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

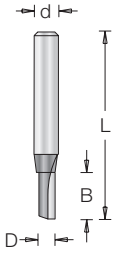
STRAIGHT PLUNGE

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

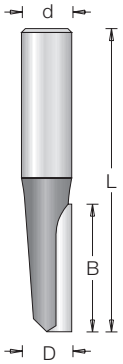
ØD	B	Tool No.	Ød	L
1/8	7/16	**45100**	1/4	2
3/16	7/16	**45102**	1/4	2
1/4	1/2	**45104**	1/4	2
1/4	3/4	**45106**	1/4	2
1/4	1	**45108**	1/4	2-1/4
1/4	1	***45110**	1/4	3-1/4
9/32	3/4	**45112**	1/4	2-1/4
5/16	1	**45114**	1/4	2-1/4
1/4	3/4	**45303**	3/8	2-5/16
3/8	1	**45300**	3/8	2-1/2
3/8	1-1/4	**45301**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

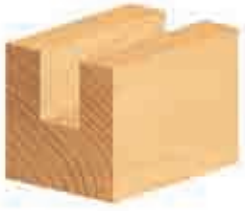


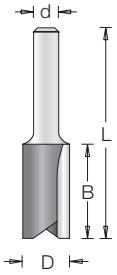
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

STRAIGHT PLUNGE

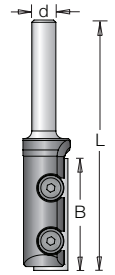
1/4" SHANK • 2 FLUTE

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.





	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



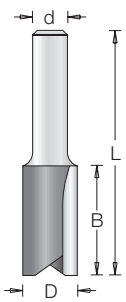
RC-45226

† 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

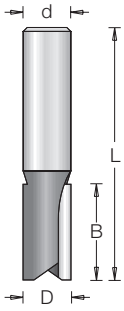
ØD	B	Tool No.	Ød	L
3/8	1-1/4	45400	3/8	2-3/4
3/8	1	45402	3/8	2-1/2
3/8	1-1/4	45404	3/8	3-3/8
1/2	1	45406	3/8	2-1/2
1/2	1-1/4	45407	3/8	2-1/2



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

STRAIGHT PLUNGE

1/2" SHANK • 2 FLUTE



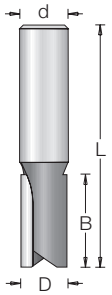
	ØD	B	Tool No.	Ød	L
	1/4	3/4	~ 45408	1/2	2-1/2
New	1/4	1	45486	1/2	2-3/4
	9/32	3/4	45409	1/2	2-3/4
	5/16	3/4	45410	1/2	2-1/2
	5/16	1	45412	1/2	2-3/4
	3/8	3/4	45413	1/2	2-1/2
	3/8	1	45414	1/2	2-3/4
	3/8	1-1/4	* 45415	1/2	3
	13/32	3/4	45401	1/2	2-1/2
	7/16	1-1/4	45416	1/2	3
	15/32	1-1/4	45425	1/2	2-7/8
	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

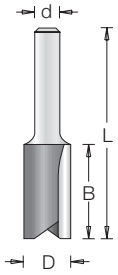


1/2" SHANK • 2 FLUTE

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

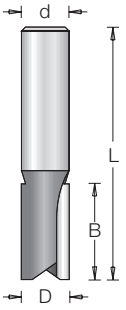
STRAIGHT PLUNGE - METRIC PLYWOOD DADO'S



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.



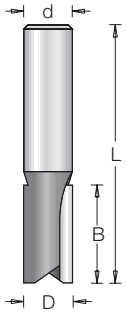
1/2" SHANK • 2 FLUTE • METRIC SIZE

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.

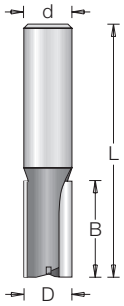
ØD	Actual Plywood Thickness	Tool No.	B	Ød	L
15/64	1/4 minus 1/64 (6.0mm)	**45203**	3/4	1/4	2
7/32	1/4 minus 1/32	**45206**	3/4	1/4	2
15/32	1/2 minus 1/32	**45223**	3/4	1/4	2
15/32	1/2 minus 1/32	**45425**	1-1/4	1/2	2-7/8
31/64	1/2 minus 1/64	**45235**	3/4	1/4	2-1/4
31/64	1/2 minus 1/64	**45237**	1	1/2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

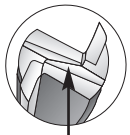
NOTE: For 6mm board, use #45203 (15/64) shown in fractional section above.
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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.



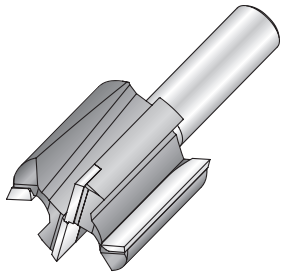


Center Carbide Tip

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

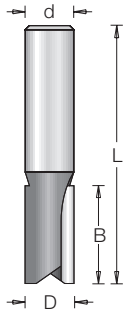


⚠ **WARNING:** Maximum RPM 12 = 12,000; 16 = 16,000; 18 = 18,000

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.

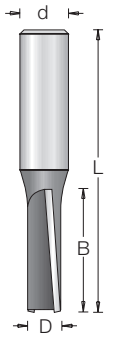


ØD	B	Tool No.	Ød	L
1/8	7/16	**43200**	1/4	2
1/4	1	**43210**	1/4	2
5/16	1	**43412**	1/2	2-3/4
3/8	1	**43218**	1/4	2-1/4
3/8	1	**43414**	1/2	2-3/4
1/2	1	**43226**	1/4	2-1/8
1/2	1	**43418**	1/2	2-5/8
1/2	1-1/4	**43420**	1/2	2-7/8
1/2	1-1/2	**43422**	1/2	3-1/8
1/2	2	**43426**	1/2	4-1/4
5/8	1-1/4	**43432**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

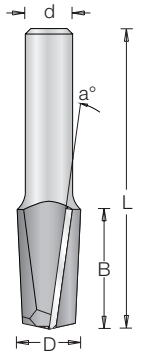


ØD	B	Tool No.	Ød	L
3/8	1	**45414-PS**	1/2	2-3/4
1/2	1-1/4	**45420-PS**	1/2	2-7/8
1/2	1-1/2	**45422-PS**	1/2	3-1/8
1/2	2	**45426-PS**	1/2	4-1/4

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.

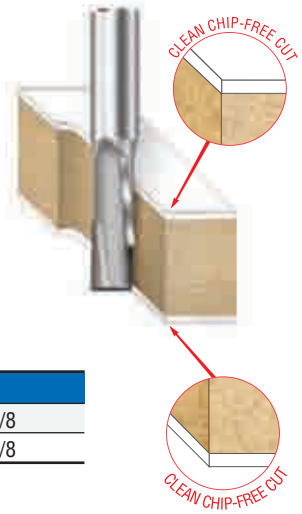


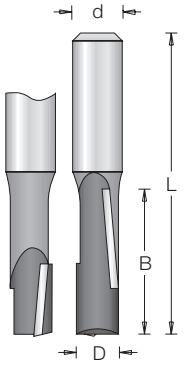
a°	ØD	B	Tool No.	Ød	L
4°	3/8	1	**42440**	1/2	2-3/4
7°	1/2	1	**42444**	1/2	2-3/4
6°	1/2	1-1/4	**42448**	1/2	2-7/8
5°	1/2	1-1/2	**42452**	1/2	3-1/8
4°	1/2	2	**42456**	1/2	4-1/4
8°	3/4	1-1/4	**42460**	1/2	2-7/8
8°	3/4	1-1/4	**42472**	3/4	3-1/4
5°	3/4	2	**42476**	3/4	4
10°	1	1-1/4	**42464**	1/2	2-7/8

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

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***

SPIRAL FLUTE PLUNGE SOLID CARBIDE

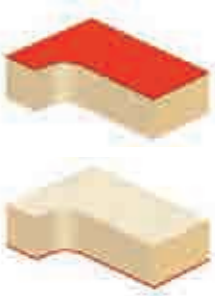
New IMPROVED

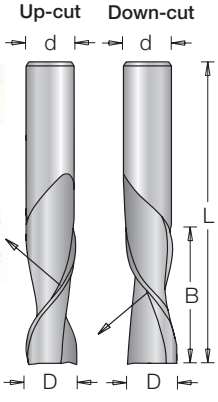
2 FLUTE

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





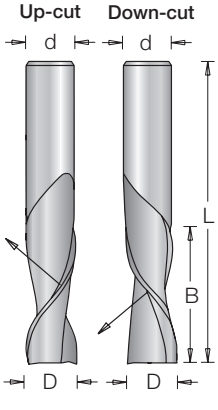
For CNC router bit feed rate info refer to pages 150-151

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	5/8	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



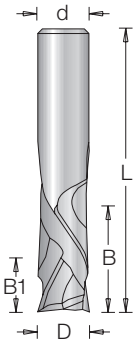
⚠ **WARNING:** Recommended RPM 20,000-21,000

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 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

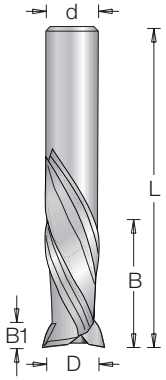
* Indicates LEFT HAND ROTATION

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

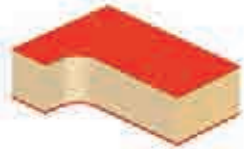


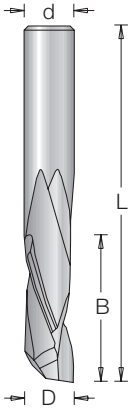
	ØD	B	B1	Tool No.	Ød	L
	1/4	1	1/8	46350	1/4	2-1/2
	3/8	1-1/4	3/16	46352	1/2	3
New	3/8	7/8	1/8	46367	3/8	3
	1/2	1-1/4	1/4	46354	1/2	3
	1/2	1-5/8	1/4	46356	1/2	3-1/2
	1/2	1-5/8	1/4	46358	1/2	4
	1/2	2-1/8	1/4	46360	1/2	4
	5/8	1-5/8	5/16	46362	5/8	4
	5/8	2-1/8	5/16	46364	5/8	4
	3/4	1-5/8	3/8	46366	3/4	4
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

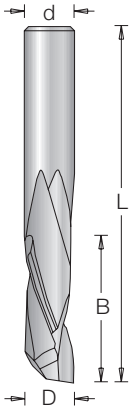
⚠ **WARNING:** Recommended RPM 20,000-21,000

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.



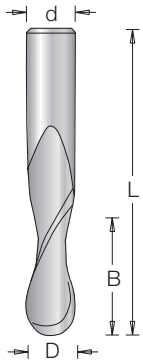
ØD	B	Tool No.	Ød	L
1/4	7/8	**46390**	1/4	2-1/2
3/8	1-1/8	**46392**	1/2	3
1/2	1	**46394**	1/2	3
1/2	1-1/8	**46396**	1/2	3
1/2	1-5/8	**46398**	1/2	3-1/2

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.

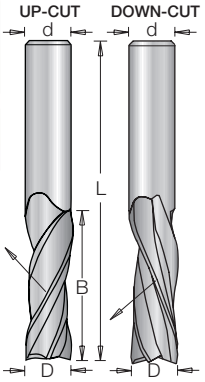


ØD	B	Tool No.	Ød	L
1/4	1	**46376**	1/4	2-1/2
3/8	1-1/4	**46378**	3/8	3
1/2	1-1/4	**46380**	1/2	3
1/2	1-1/2	**46382**	1/2	3-1/2
1/2	2-1/8	**46384**	1/2	4
5/8	2-1/8	**46386**	5/8	4
3/4	2	**46388**	3/4	4

SPIRAL FLUTE PLUNGE SOLID CARBIDE

3 FLUTE

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



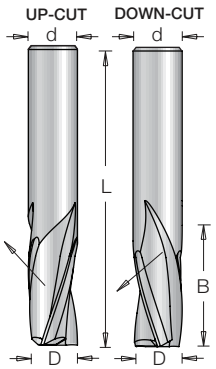
ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
3/8	1-1/4	**46114**	**46214**	1/2	3
1/2	1-1/2	**46116**	**46216**	1/2	3-1/2
1/2	2	**46118**	**46218**	1/2	4
5/8	2	**46120**	**46220**	5/8	4
3/4	2-1/8	**46122**	**46222**	3/4	4-1/2

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***

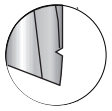
SPIRAL ROUGHING SOLID CARBIDE W/CHIPBREAKER

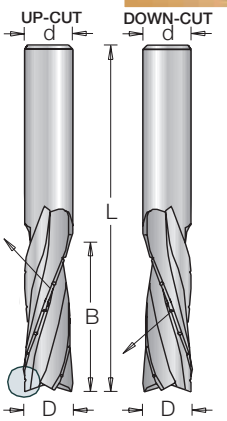
3 FLUTE

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

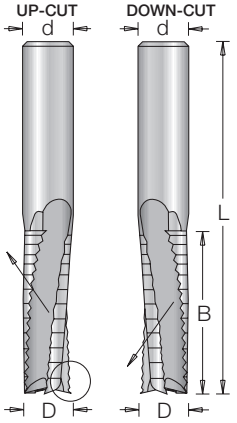
3 FLUTE

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

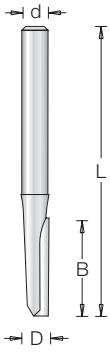


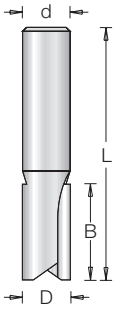
SOLID CARBIDE STRAIGHT PLUNGE

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

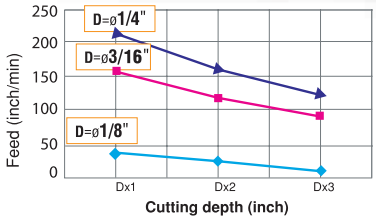
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

New

SOLID CARBIDE SPIRAL PLASTIC ‘0’ 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.

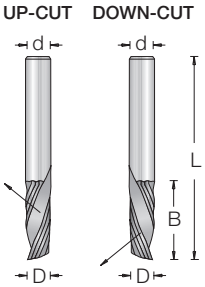


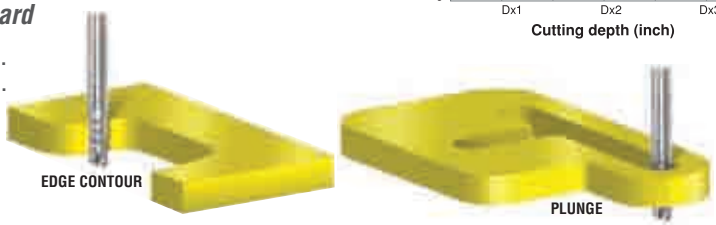
For SUPER CLEAN CUTS IN:

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

The most popular design.
Fits most CNC machines.

- Right Hand Helix
- Right Hand Cut





SINGLE FLUTE

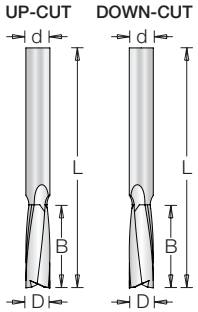
ØD	B	‘Up-Cut’ Tool No.	‘Down-Cut’ Tool No.	Ød	L
1/8	1/2	**51410**	**51510**	1/8	2
3/16	5/8	**51412**	**51512**	3/16	2
1/4	3/4	**51404**	**51504**	1/4	2

SOLID CARBIDE ACRYLIC ‘0’ FLUTE SLOW SPIRAL

New

UP-CUT & DOWN-CUT • 2 FLUTE

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

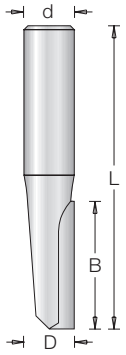


ØD	B	‘Up-Cut’ Tool No.	‘Down-Cut’ Tool No.	Ød	L
1/4	3/4	**46313**	**46413**	1/4	2-1/2
1/4	1	**46311**	**46411**	1/4	2-1/2

PLASTIC CUTTING SOLID CARBIDE ‘0’ FLUTE

SINGLE ‘0’ 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.



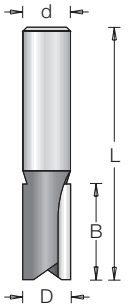
ØD	B	Tool No.	Flutes	Ød	L
1/8	1/2	**43500**	**1**	1/4	2
3/16	5/8	**43504**	**1**	1/4	2
1/4	3/4	**43508**	**1**	1/4	2-1/2
1/4	1	**43512**	**1**	1/4	2-1/2
1/4	1	**43514**	**1**	1/4	3-1/4
3/8	1	**43516**	**1**	3/8	2-1/2
1/2	1	**43520**	**1**	1/2	3
1/8	1/2	**43600**	**2**	1/4	2
3/16	5/8	**43604**	**2**	1/4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

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

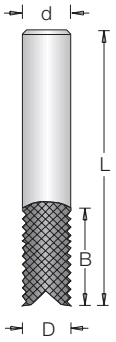


ABRASIVE TYPE PLUNGE DIAMOND PATTERN SOLID CARBIDE

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)

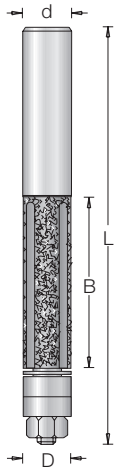


FIBERGLASS & CARBONFIBER MATERIAL FLUSH TRIM SOLID CARBIDE

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

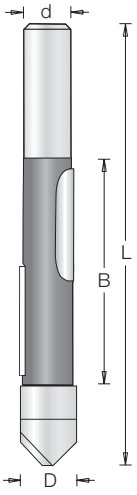
Replacement Bearing #47706 (2)
Replacement Nut #67086



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

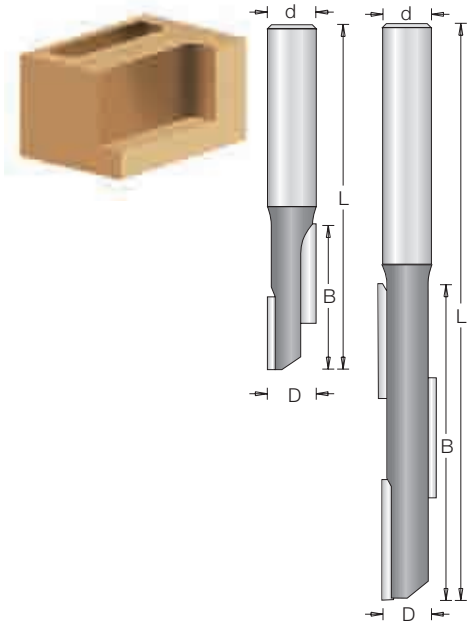
This version of the panel pilot bit has a stagger-tooth configuration for fast, clean cuts, coupled with a solid pilot between the cutting edges. Designed specifically for the RV-manufacturing industry to cut openings in ceilings and sidewalls, it can be used in any setup that has a template between 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	3-3/4
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

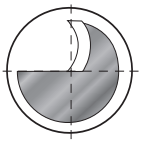
EXTRA LONG 3 BLADE STAGGER

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

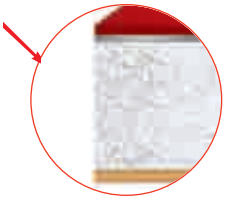
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

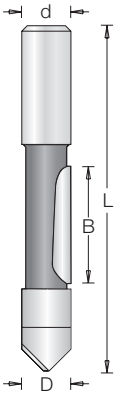
PANEL PILOT

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

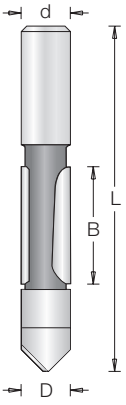
ØD	B	Tool No.	Ød	L
1/4	3/4	**45506**	1/4	2-1/2
3/8	1	**45507**	1/4	2-7/8
3/8	1	**45508**	3/8	3
1/2	1-3/16	**45510**	1/2	3-5/8
1/2	2	**45511**	1/2	4-3/4

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)

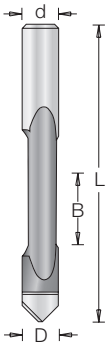
New

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

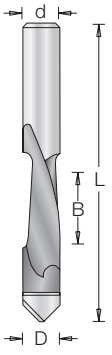
ØD	B	Tool No.	Ød	L
1/4	5/8	**HSS11004**	1/4	2-3/4
3/8	3/4	**HSS11002**	3/8	3-1/8
1/2	1	**HSS11006**	1/2	3-1/2



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



ALUMINUM SPIRAL SOLID CARBIDE

New

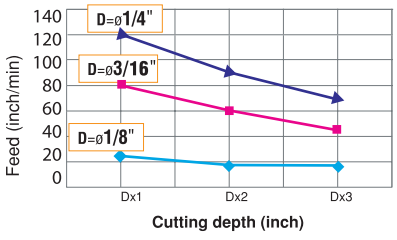
SINGLE '0' FLUTE UP-CUT/DOWN-CUT

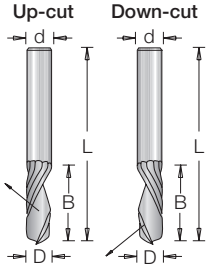
This bit is specifically designed for cutting aluminum, brass, copper and other non-ferrous metals. It is strongly recommended that a lubricant or coolant be used which will prolong the life of the tool and to reduce tool breakage.

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

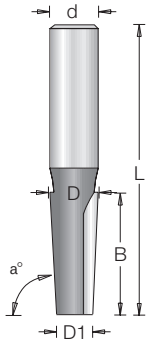
Please note: For aluminum cutting, please lubricate.
The recommended feed rate for Aluminum is 3 M/min or 120 inch/min at 18,000 RPM.

3°, 5° & 7° PATTERNMAKERS

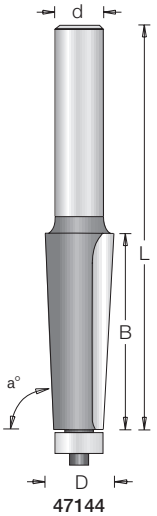
2 FLUTE

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

Vacuum-forming mold (wooden)



42420



47144

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

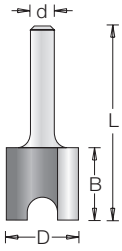
ØD	a°	B	Tool No.	Ød	L
1/2	3°	2-1/8	**47144**	1/2	4-5/8

Replacement bearing #47706

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.



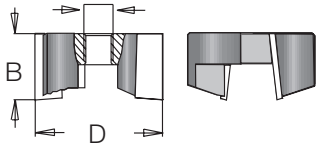
ØD	B	Tool No.	Ød	L
1/2	3/4	**45500**	1/4	2
5/8	3/4	**45502**	1/4	2
3/4	3/4	**45504**	1/4	2
1	3/4	**45501**	1/4	2
1-1/4	3/4	**45505**	1/2	2-1/8
1-1/4	1-1/4	**45503**	1/2	2-7/8

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.

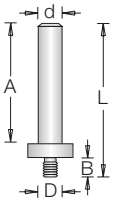


Fits Porter-Cable & other standard model mortising jigs. Also used in door machines.

	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

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

THREADED ARBOR FOR MORTISING CUTTERS



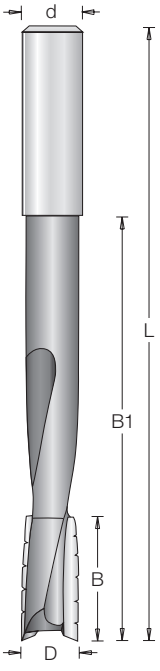
ØD	Ød	A	B	L	Tool No.	Application
1/4-28NF	1/4	1-7/16	1/4	1-13/16	* **47611**	Screw Type mortising bits 55250 through 55258.
5/16-24NF	1/4	1-7/16	1/4	1-13/16	* **47616**	Screw Type mortising 55255
1/4-28NF	1/2	1-1/2	1/4	1-1/2	* **47614**	Screw Type mortising bits 55250 through 55258.

*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

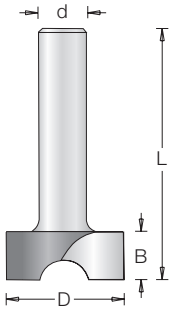
▲WARNING: DO NOT USE THESE BITS ON A DRILL PRESS MACHINE UNDER ANY CIRCUMSTANCES!

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.

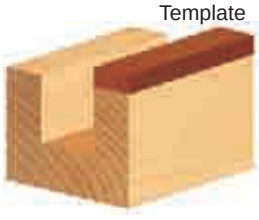


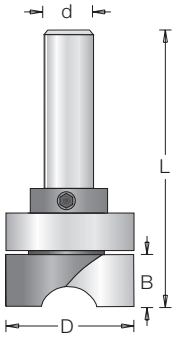
ØD	B	Tool No.	Ød	L
1/2	5/16	**45570**	1/4	1-7/16
1/2	3/4	**45572**	1/4	2-3/8
5/8	3/4	**45574**	1/4	2-3/8
3/4	3/4	**45576**	1/2	2-1/4
1-1/4	15/64	**45578**	1/2	1-3/4
1-1/4	1/2	**45580**	1/2	2

MORTISING WITH UPPER BALL BEARING

DOWN-SHEAR DESIGN • 2 FLUTE

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



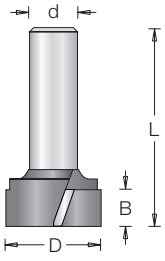


ØD	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
1/2	3/4	1/4	**45582**	2-3/8	47701	47724
5/8	3/4	1/4	**45584**	2-3/8	47712	47724
3/4	3/4	1/4	**45586**	2-7/16	47714	47724
1-1/4	15/64	1/2	**45588**	2-11/32	47756	47740
1-1/4	1/2	1/2	**45590**	2-5/8	47756	47740

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.

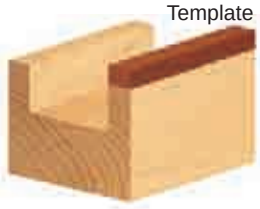


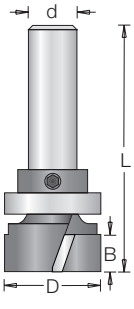
ØD	B	Tool No.	Ød	L
3/4	7/16	**45560**	1/4	2-1/4
3/4	7/16	**45562**	1/2	2-1/2
1	7/16	**45564**	1/2	2-1/2
1-1/2	5/8	**45566**	1/2	2-3/4

MORTISING BIT FOR BOTTOM CLEANING WITH UPPER BALL BEARING

UP-SHEAR DESIGN • 2 FLUTE

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





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

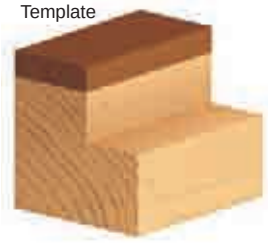
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

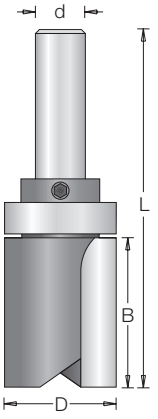
FLUSH TRIM PLUNGE TEMPLATE WITH UPPER BALL BEARING

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

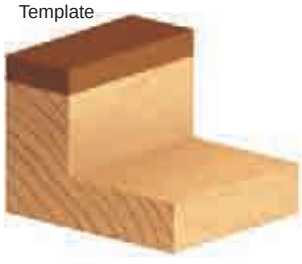
	ØD	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
New	3/8	1/2	1/4	†45475	2	47751(2)	47724
	1/2	3/8	1/4	*45481	2-1/4	47701	47724
New	1/2	1/2	1/4	45487	2	47701	47724
New	1/2	3/4	1/4	45491	2-1/4	47701	47724
	1/2	1	1/4	45460	2-1/2	47701	47724
	1/2	1-1/4	1/4	45461	2-3/4	47701	47724
	5/8	1	1/4	45462	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

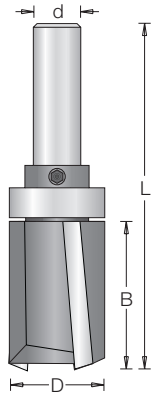
*For use on hardwood & flooring medallions. † Double Bearing.
See pages 20 & 86 for additional flooring bits.

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

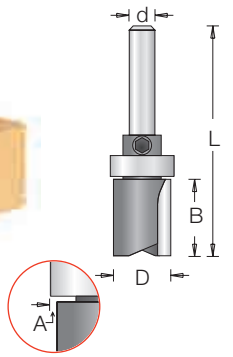
FLUSH TRIM PLUNGE TEMPLATE WITH OVERSIZED UPPER BALL BEARING

New

2 FLUTE

For template use with specificied jigs.

Template



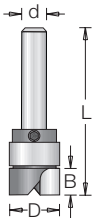
ØD	B	Ød	L	A	Tool No.	Repl. Bearing	Jigs
5/16	3/4	1/4	2-3/4	3/32	45495	47701	Porter Cable Morten™, Morten &Tenon, Omnijig®
1/2	1/4	1/4	1-7/8	1/8	45496	47714	Hinge-Mate™ II Template
9/16	3/4	1/4	2-1/4	1/32	45497	47712	Keller Box Joint

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

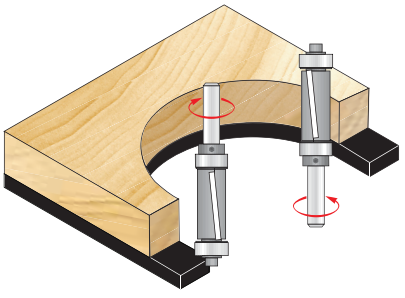
	ØD	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
New	3/8	1/4	1/4	†45475-S	1-3/4	47751(2)	47724
New	1/2	1/8	1/4	45489-S	1-3/4	47701	47724
	1/2	1/4	1/4	45460-S	1-5/8	47701	47724
	5/8	1/4	1/4	45462-S	1-3/4	47712	47724
	3/4	1/4	1/4	45464-S	1-3/4	47714	47724

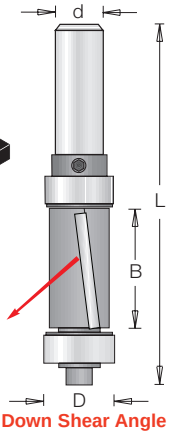
† Double Bearing

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.





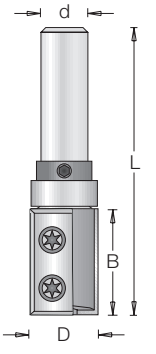
Down Shear Angle

ØD	B	Ød	Tool No.	L	Replacement Bearing Upper	Replacement Bearing 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

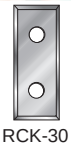
INSERT CARBIDE FLUSH TRIM TEMPLATE WITH UPPER BALL BEARING

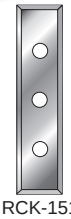
2 FLUTE

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.




RCK-222

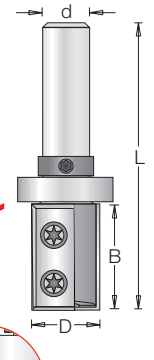

RCK-30

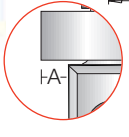

RCK-151

	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





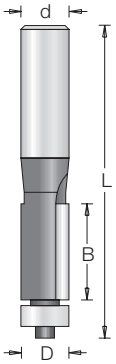
Different size overhangs can be achieved by replacing bearing #47721 with the following bearings:

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.



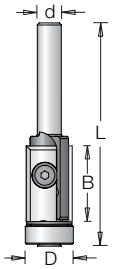
2 FLUTE

	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.

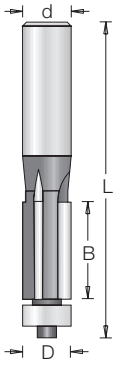
RCK-262

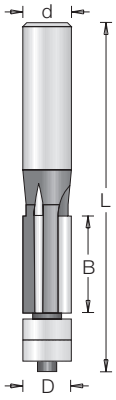


RC-47104

○ **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.





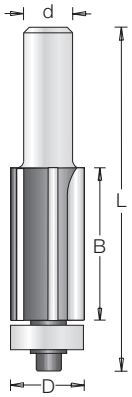
47118-2

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.

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

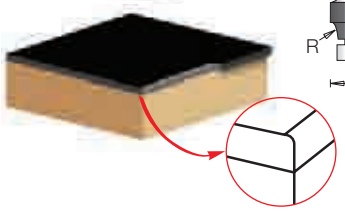
Standard replacement bearing (steel) use #47714.
Optional Delrin® replacement bearing (steel) use #47709, for solid surface application.

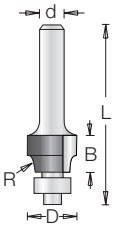
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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.



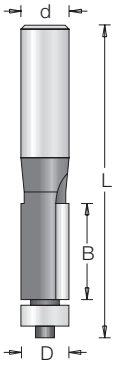


ØD	B	R	Tool No.	Ød	L
1/2	3/8	.059 (1.5mm)	**47150**	1/4	1-7/8
1/2	3/8	.059 (1.5mm)	**47152**	1/2	2-1/8
1/2	3/8	.015 (0.4mm)	**47154**	1/4	1-7/8

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

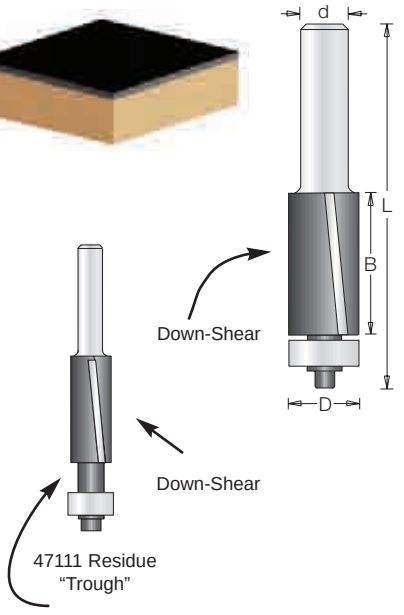
ØD	B	Tool No.	Ød	L
1/2	1-1/2	**47128**	1/2	3-7/8
1/2	1-1/2	****47128-2**	1/2	4-1/16

**** 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.



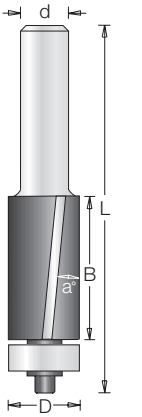
ØD	B	Ød	L	Tool No.	Type	Replacement Bearing
1/2	1	1/4	2-5/8	**47105**	Down-shear	47706
1/2	1	1/2	3	**47109**	Down-shear	47706
1/2	1	1/4	2-7/8	**47111**	Down-shear	47706
1/2	1	1/2	3-1/4	**47113**	Down-shear	47706
1/2	2	1/2	4	**47129**	Down-shear	47706
5/8	5/8	1/4	2	**47180**	Flush Helix	47712
3/4	5/8	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.

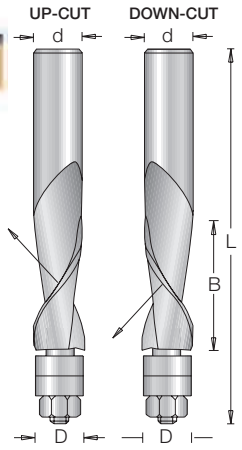
ØD	a°	B	Tool No.	Ød	L	Type
3/4	3°	1-1/2	**47130**	1/2	3-7/8	Up-shear
3/4	3°	2	**47134**	1/2	4-1/4	Up-shear
3/4	3°	1	**47135**	1/2	3	Down-shear
3/4	3°	1-1/2	**47136**	1/2	3-7/8	Down-shear
3/4	3°	2	**47138**	1/2	4-1/4	Down-shear

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.



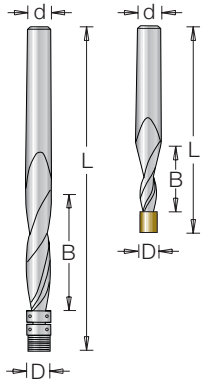
ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.		Ød	L
1/2	1-1/4	**46300**	**46400**	New	1/2	3-3/4
1/2	2	**46304**	**46404**	New	1/2	4-3/4

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.

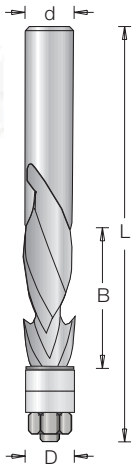


ØD	B	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
✙ 1/8	3/8	* **46196**	* **46296**	1/4	2
◆ 1/4	1	**46197**	**46297**	1/4	3

*** 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.

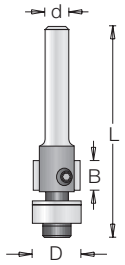
ØD	B	Tool No.	Ød	L
1/2	1-1/4	**46192**	1/2	3-3/4

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.

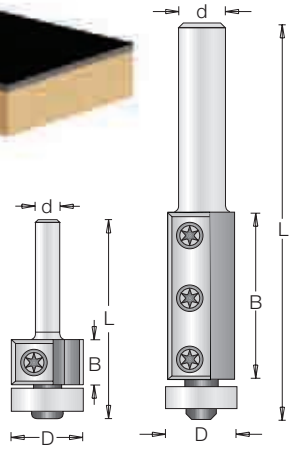
ØD	B	Tool No.	Ød	L	Replacement Knives
1/2	8mm(5/16)	**RC-2000**	1/4	2-1/4	RCK-8

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



RC-1000 RC-1006

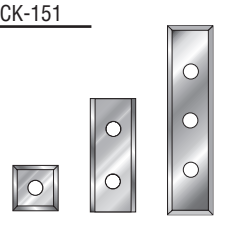
In a production environment, insert tooling reduces downtime to a minimum. Each throw-away knife in this flush trimming bit has multiple edges. Rotate the knife to expose a fresh cutting edge. Tips can be replaced at any time, even mid-job, without changing the router setup.

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

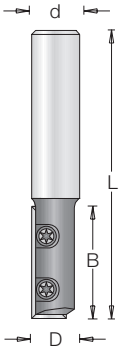
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

INSERT STRAIGHT

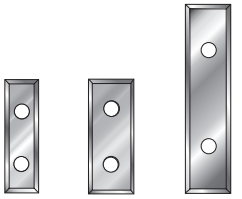
SINGLE FLUTE & 2 FLUTE

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

ALSO OPTIMAL FOR CNC USE

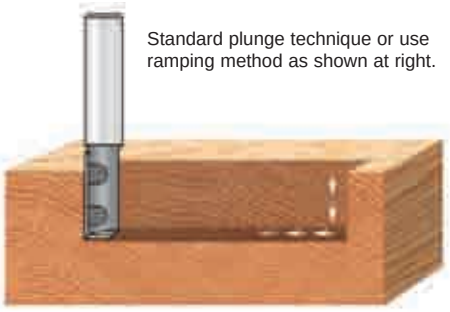


RC-1154 INSERT PLUNGE BIT (1-Flute)

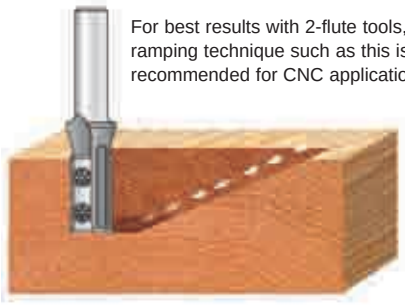


AMA-30 RCK-30 RCK-50

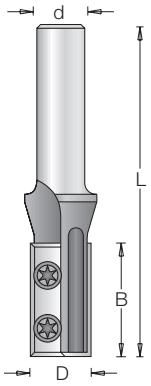
* **50mm** cutting edge is achieved using two **30mm** staggered knives.
** Left hand rotation.
NOTE: All above plunge bits have four cutting edges per knife. #5005 Torx® key included.
Metric sizes from 12mm to 22mm available on special order — please inquire.



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.



RC-1080 INSERT STRAIGHT BIT (2-Flute)

INSERT STRAIGHT

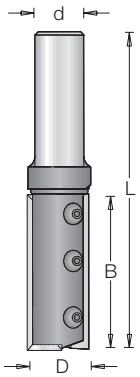
SINGLE FLUTE & 2 FLUTE

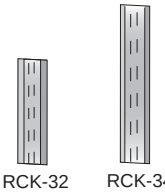
These router bits yield cuts which are cleaner than typical insert bits, offering high speed cuts with super clean finish. They also are channel set, double edge knives. Each blade has a double-sided cutting edge for economy. The insert carbide is much harder than brazed carbide. There is minimum amount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

ALSO OPTIMAL FOR CNC USE



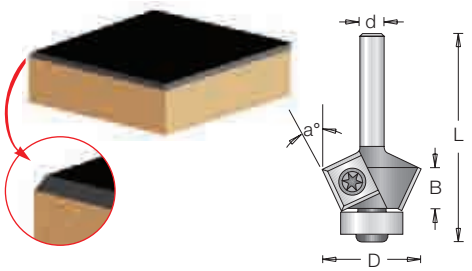


RCK-32 RCK-34

INSERT BEVEL TRIM™

2 FLUTE WITH BALL BEARING GUIDE

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



AMA-12

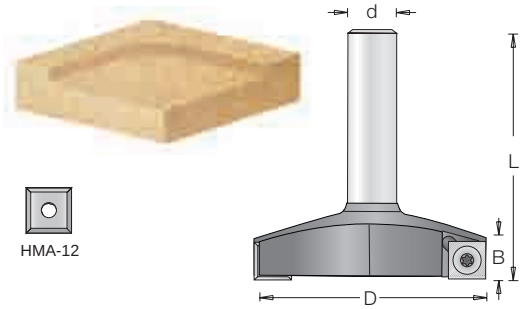
ØD	a°	B	Tool No.	Ød	L	Replacement Knives
13/16	15°	7/16	**RC-1008**	1/4	2-1/4	AMA-12
31/32	25°	7/16	**RC-1010**	1/4	2-1/4	AMA-12
1	30°	7/16	**RC-1012**	1/4	2-1/4	AMA-12
1-1/16	45°	7/16	**RC-1014**	1/4	2-1/4	AMA-12
New 1-15/32	75°	9/16	**RC-1016**	1/4	2-3/16	AMA-12

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

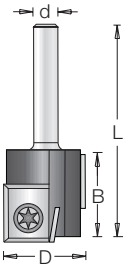
ØD	B	Tool No.	Ød	L	Replacement Knives
2-1/2	1/2	**RC-2257**	1/2	2-1/2	HMA-12
4	1/2	**RC-2258**	3/4	4	HMA-12

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

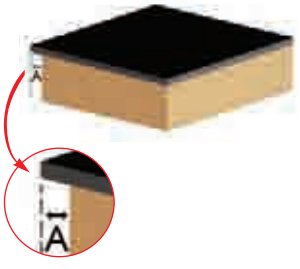
ØD	B	Tool No.	Ød	L	Replacement Knives
3/4	3/4	**RC-1024**	1/4	2	AMA-12
New 7/8	1/2	**RC-1022**	1/4	1-3/4	AMA-12
7/8	3/4	**RC-1026**	1/4	2	AMA-12

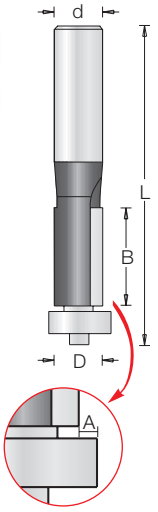
Replacement screws #67115. #5005 Torx® key included.

'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.





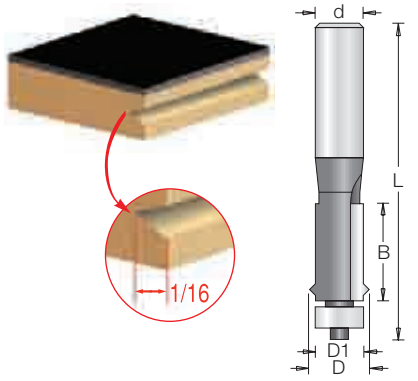
ØD	B	Tool No.	A	Ød	L
3/8	1/2	**47190**	1/8	1/4	2
1/2	1/2	**47192**	1/16	1/4	2
1/2	1/2	**47194**	1/16	1/2	2-5/8

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.



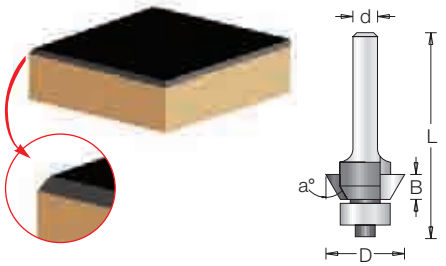
ØD	ØD1	B	Tool No.	Ød	L
5/8	1/2	1	**47160**	1/4	2-5/8
5/8	1/2	1	**47162**	1/2	3-1/4

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.



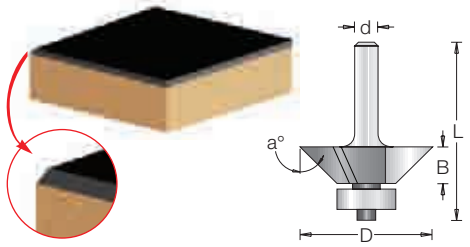
ØD	a°	Tool No.	B	Ød	L
5/8	15°	**47200**	9/32	1/4	1-7/8
1/2	22°	**47201**	3/8	1/4	1-3/4
23/32	25°	**47202**	9/32	1/4	1-7/8
3/4	25°	**47206**	7/16	1/4	1-7/8
1-1/16	45°	**47204**	9/32	1/4	2

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.



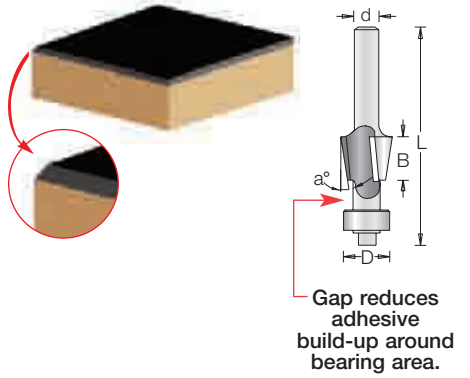
ØD	a°	Tool No.	B	Ød	L
3/4	7°	**47302**	7/16	1/4	2
51/64	15°	**47301**	7/16	1/4	2
15/16	23°	**47300**	7/16	1/4	1-7/8
1-3/32	30°	**47304**	7/16	1/4	2

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

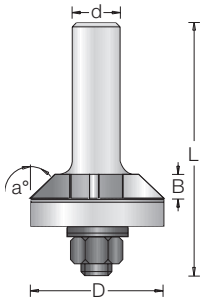
NOTE: Tool #47210 is a special 8° bevel tool with a gap (.287") to reduce glue build-up. Standard replacement bearing (.500" dia.) #47706 or new #47715 (.492" dia.) for use after resharpening.

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

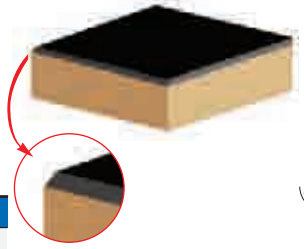
Replacement Parts: 45° cutter only: #55310. 'Ultra-Glide'™ bearing: #47727. 1/4" shank arbor: #47600. 1/2" shank arbor: #47604.

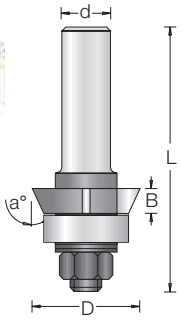
- a Laminated top is 'under-cut', as shown.
- b Apron laminate is pre-cut at 45°.
- c Adhere pre-cut laminate for a perfect fit. A fine file may be used to remove the sharp edge after joining.

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.





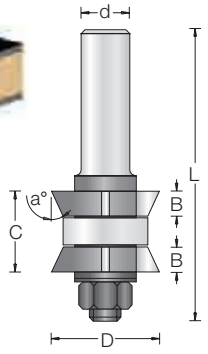
ØD	a°	Tool No.	B	Ød	L
7/8	Flush	**47400**	1/4	1/4	2-3/8
7/8	Flush	**47402**	1/4	1/2	2-3/8
1	15°	**47404**	1/4	1/4	2-3/8
1	15°	**47406**	1/4	1/2	2-3/8
1-1/16	25°	**47408**	1/4	1/4	2-3/8
1-1/16	25°	**47410**	1/4	1/2	2-3/8

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.

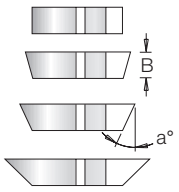


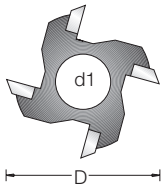
ØD	a°	B	Tool No.	C	Ød	L
7/8	Flush	1/4	**47412**	15/16	1/2	3
1	15°	1/4	**47414**	15/16	1/2	3
1-1/16	25°	1/4	**47416**	15/16	1/2	3

Replacement Parts: Bearing #47708 • Arbor #47612

4 WING CUTTERS ONLY

Cutters for the above assembly are available separately.





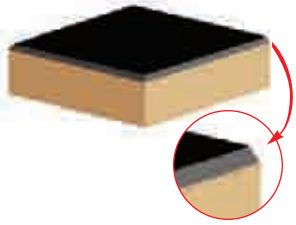
ØD	a°	B	Tool No.	Ød1	Usage
7/8	Flush	1/4	**47500**	5/16	T or B
1	15°	1/4	**47502**	5/16	*T
1	15°	1/4	**47502-L**	5/16	**B
1-1/16	25°	1/4	**47504**	5/16	*T
1-1/16	25°	1/4	**47504-L**	5/16	**B

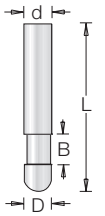
*Denotes top cutter. **Denotes bottom cutter.

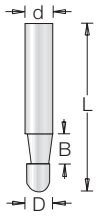
PANEL PILOT SOLID CARBIDE

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

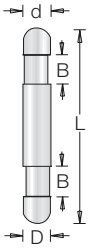
NOTE: *#51204 same as #51200 but with short pilot for dado trimming.

DOUBLE END PANEL PILOT SOLID CARBIDE

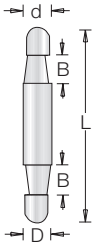
New

SINGLE FLUTE

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



51201



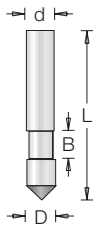
51203

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.

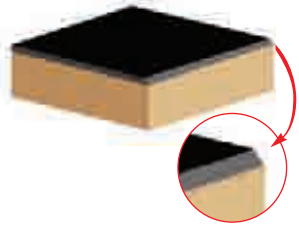


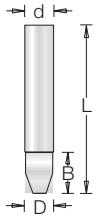
ØD	B	Tool No.	Ød	L
1/4	1/4	**51712**	1/4	1-1/2

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.



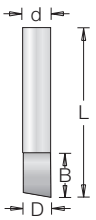


ØD	B	Tool No.	Ød	L
1/4	3/8	**51706**	1/4	1-1/2

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.

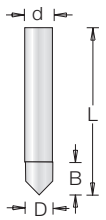


ØD	B	Tool No.	Ød	L
1/4	5/16	**51708**	1/4	1-1/2

'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.

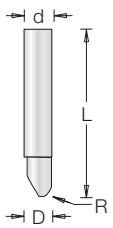


ØD	B	Tool No.	Ød	L
1/4	3/8	**51710**	1/4	1-1/2

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.

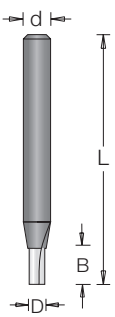


ØD	R	Tool No.	Ød	L
1/8	1/16	**51700**	1/4	1-1/2
3/16	3/32	**51702**	1/4	1-1/2
1/4	1/8	**51704**	1/4	1-1/2

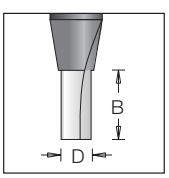
WEATHERSEAL STRAIGHT

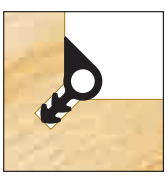
SINGLE FLUTE

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





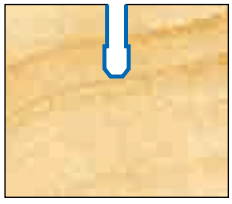
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

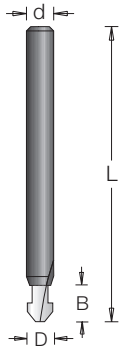
WEATHERSEAL PROFILE

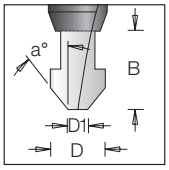
SINGLE FLUTE

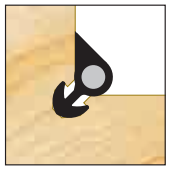
This bit is used to re-groove door and window frames to allow for insulating inserts to block wind and drafts.

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







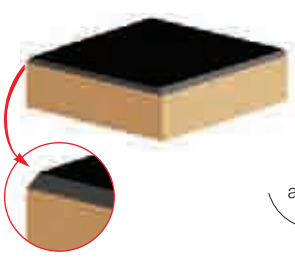


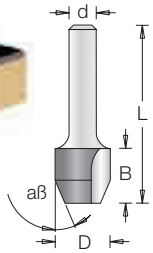
COMBINATION BEVEL AND FLUSH TRIM

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

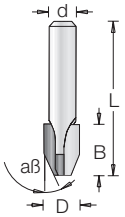




This is a carbide-tipped bevel trim bit designed specifically for use in laminate trimmers.

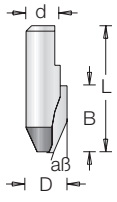
2 FLUTE

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



SINGLE FLUTE

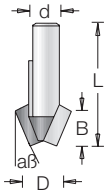
ØD	a°	B	Tool No.	Ød	L
11/32	25°	1/2	**51500**	1/4	15/16



BEVEL TRIM

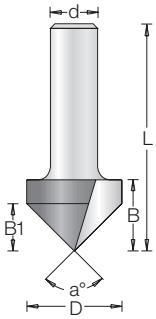
2 FLUTE

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.



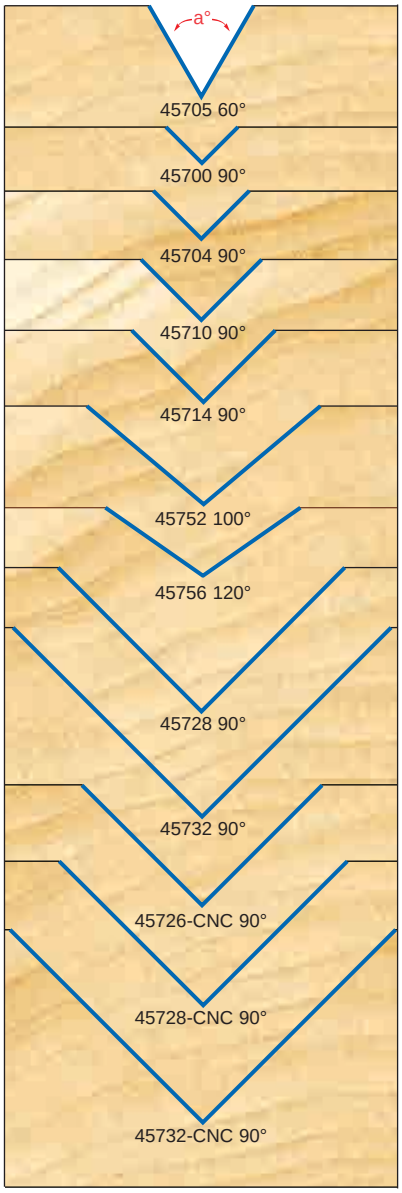
ØD	a°	B	Tool No.	B1	Ød	L
1/2	60°	5/8	† 45705	7/16	1/4	1-3/4
3/8	90°	7/16	45700	3/16	1/4	1-5/8
3/8	90°	7/16	45702	3/16	1/2	2
1/2	90°	1/2	45704	1/4	1/4	1-5/8
1/2	90°	1/2	45708	1/4	1/2	2-1/8
5/8	90°	1/2	45710	5/16	1/4	1-5/8
5/8	90°	1/2	45712	5/16	1/2	2
3/4	90°	5/8	45714	3/8	1/4	1-3/4
3/4	90°	5/8	45716	3/8	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
1-1/2	90°	1	45728 ♦	3/4	1/2	2-3/4
2	90°	1-3/4	45732 ♦	1	1/2	3-1/4
1-1/4	90°	3/4	★ 45726-CNC	5/8	1/2	2-1/2
1-1/2	90°	1	★ 45728-CNC	3/4	1/2	2-3/4
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.

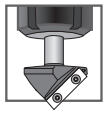
♦ Use in a table-mounted router. Not for use in a handheld router!



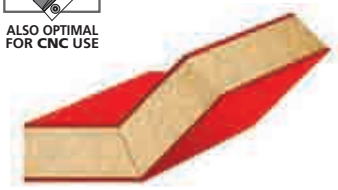
'V' GROOVE & SIGNMAKING "MITER FOLD" INSERT

New

1/2" SHANK

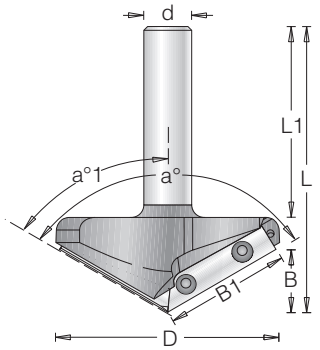


ALSO OPTIMAL FOR CNC USE



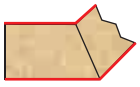
These industrial insert router bits were especially designed for applications including:
- Miter Folds - "create the perfect joint"
- Signmaking and Lettering

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.

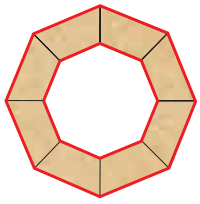


ADVANTAGES OF INSERT TOOLING

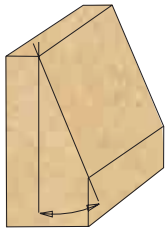
- Long lasting insert knives provide superior smooth quality cuts every time.
- Quick and precise replacement of dull knives.
- Insert accuracy extends tool life.
- Insert tooling allows for harder grades of carbide.
- Special carbide grades for special applications.
- Knives can be re-sharpened multiple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



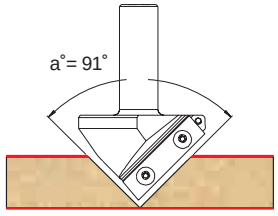
45° FOLD
RC-1102

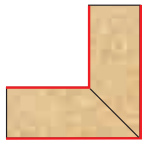


8 sides (22.5°)
RC-1045



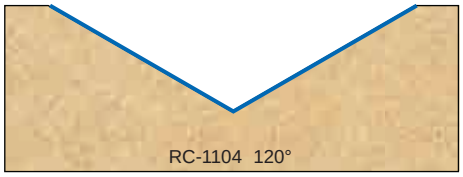
22.5°
RC-1045



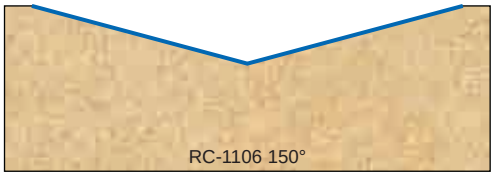


RC-1100

	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



RC-1104 120°



RC-1106 150°

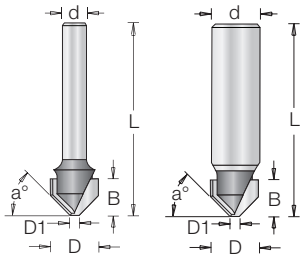
WARNING: Maximum RPM 14 = 14,000; 16 = 16,000; 18 = 18,000; 22 = 22,000

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***

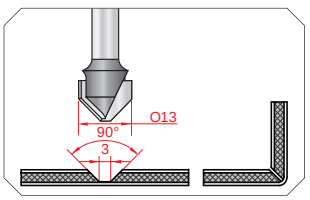
DOUBLE EDGE FOLDING 'V' GROOVE FOR SHAPING COMPOSITE PANELS

Designed for cutting aluminum/plastic sandwich materials like Alucobond®, Dibond® etc. with a 90° angle and flat bottom. These bits are widely used as cladding for many diverse applications such as office buildings, hospitals, convention centers, airports, hotels. Routing V-shaped grooves, whereby the aluminium cover and a part of the polyethylene core is removed, allows folding the remaining material by hand.



45792 45794

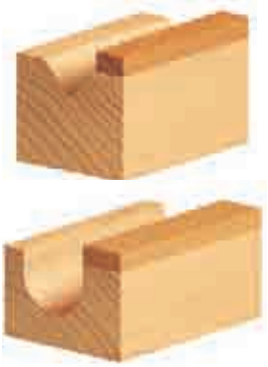
ØD	ØD1	a°	Tool No.	B	Ød	L
1/2	0.090	45°	**45792**	3/8	1/4	2
1/2	0.090	45°	**45794**	3/8	1/2	2

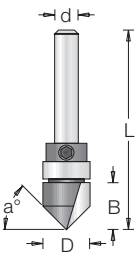


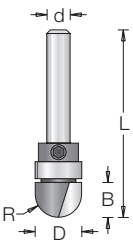
CORE BOX & 'V' GROOVE WITH UPPER BALL BEARING

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.

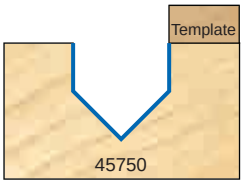




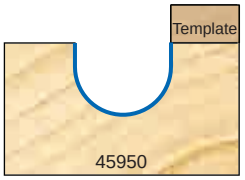


ØD	a°	R	B	Tool No.	Ød	L	Type
1/2	90°	–	1/2	*** 45750**	1/4	2	'V' Groove
1/2	–	1/4	3/8	**45950**	1/4	2	Core Box

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



45750



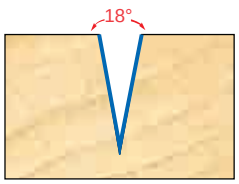
45950

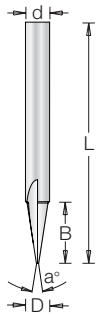
CARVING LINER SOLID CARBIDE

New

SINGLE FLUTE

For extra-fine carving and lettering details.



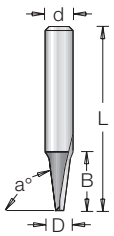


ØD	a°	B	Tool No.	Ød	L
1/4	18°	5/8	**45783**	1/4	2-1/2

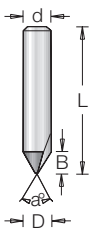
CARVING/ENGRAVING SOLID CARBIDE

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.

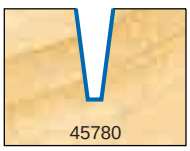


45780

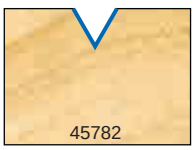


45782

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



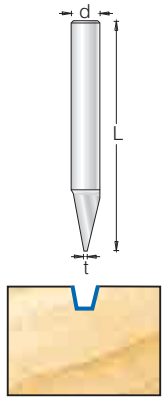
45782

30° ENGRAVING ROUTER BITS FOR SIGNMAKING

SINGLE FLUTE

New

For extra-fine carving and lettering details. These tools are used for wood, plastic, aluminum and solid surface materials.

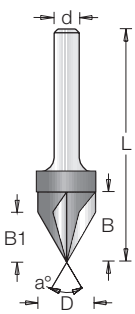


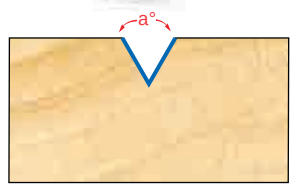
t = tip width	Tool No.	Ød	L
28 0.005"	**45771**	1/4"	2
28 0.010"	**45772**	1/4"	2
28 0.020"	**45773**	1/4"	2
28 0.030"	**45774**	1/4"	2
28 0.040"	**45775**	1/4"	2
28 0.060"	**45776**	1/4"	2
28 0.090"	**45777**	1/4"	2
0.005" - 0.090"	**45779**	30° Set (7 Pcs.)	2

WARNING: Maximum RPM 28 = 28,000

SIGNMAKING AND LETTERING SOLID CARBIDE CUTTING HEAD

Originally developed in Europe specifically for professional signmakers, this 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.





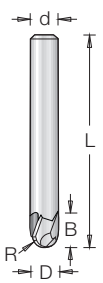
ØD	a°	B	Tool No.	Flute	B1	Ød	L
9/16	60°	7/16	**45730**	3	1/2	1/4	2-1/4
9/16	60°	7/16	**45733**	3	1/2	1/2	2-1/4
9/16	60°	7/16	***45731**	1	1/2	1/4	2-1/2

***Specialty 1 flute bit designed for optimal use with Acrylics.**

BOTTOM ROUND

2 FLUTE

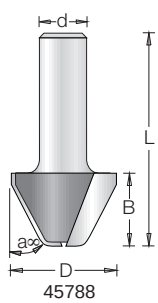
Developed for producing round bottomed grooves in hardwood and softwood, plywood and composition material. Used for engraving and carving.



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

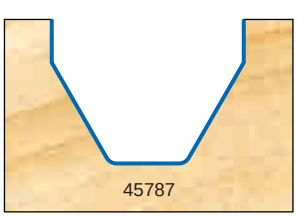
Designed for routing signs. The 60° cutting angle expels excess material quickly and eliminates chipping and splintering. For use in hardwood, softwood, plywood and composition material.

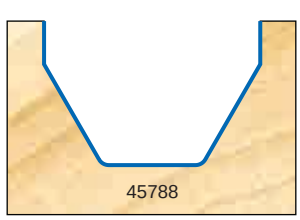


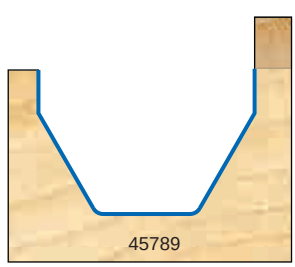
45788

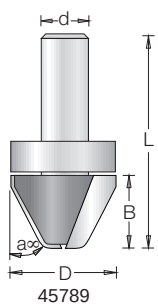
ØD	a°	Tool No.	B	Ød	L
1	60°	**45787**	3/4	1/4	2-1/2
1-1/8	60°	**45788**	3/4	1/2	2-3/4
1-1/8	60°	✣**45789**	3/4	1/2	2-3/4

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


45787


45788


45789

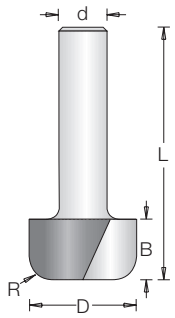


45789

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***

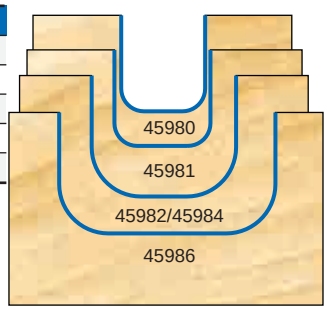
BOWL & TRAY

2 FLUTE



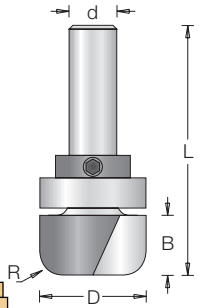
For routing solid wood serving trays, flat dishes, shallow bowls, and similar objects, use this 3-in-1 specialty plunging bit. It cuts flat, smooth bottom surfaces, vertical walls, and a transition radius between them, all in one pass. It can be used in handheld, table-mounted and CNC routers.

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



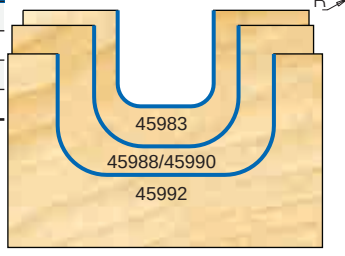
BOWL & TRAY WITH UPPER BALL BEARING

2 FLUTE



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

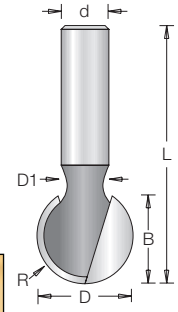
ØD	R	B	Ød	Tool No.	L	Replacement Bearing	Replacement Collar
1/2	1/8	1/2	1/4	**45983**	2-1/8	47701	47724
3/4	1/4	5/8	1/4	**45988**	2	47714	47724
3/4	1/4	5/8	1/2	**45990**	2-5/8	47721	47739
1-1/8	1/4	5/8	1/2	**45992**	2-5/8	47738	47740



BALL END

2 FLUTE

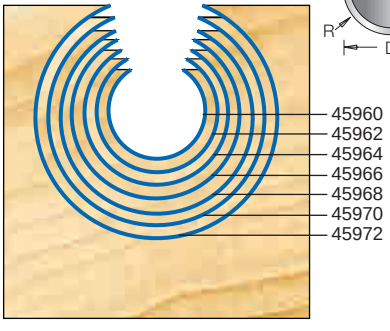
See page 127 for NEW ball end insert router bits.



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

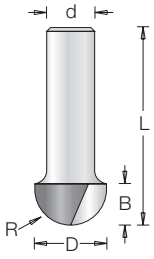
NOTE: Profile is useful as a 'conduit' for cables, pipes, etc.

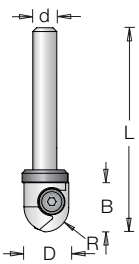


CORE BOX

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.

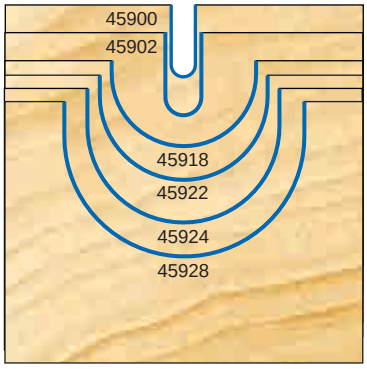




RCK-266

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



★**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.

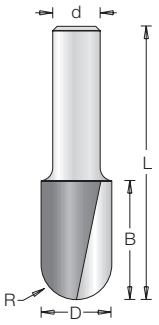
Replacement Knife #RCK-266 (RC-45910 - single flute)

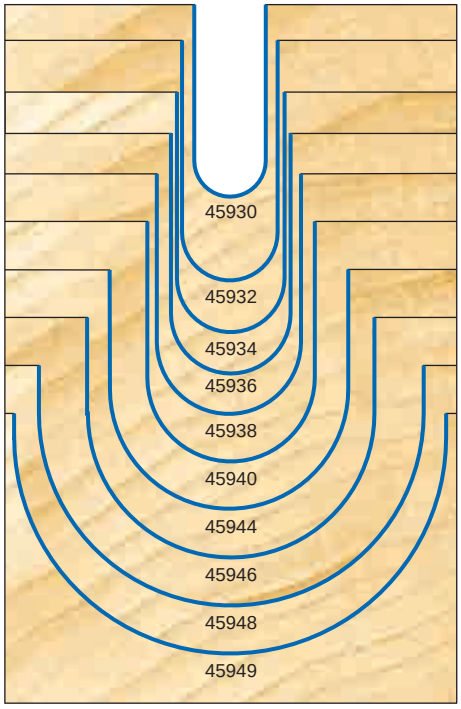
♦ Use in a table-mounted router. Not for use in a handheld router!

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.

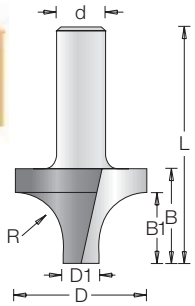
WARNING: Maximum RPM 14 = 14,000; 18 = 18,000; 20 = 20,000

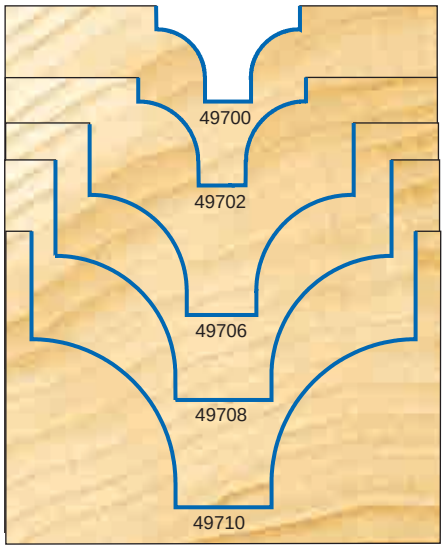
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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.





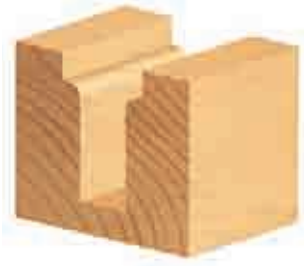
ØD	ØD1	R	B	Tool No.	B1	Ød	L
3/4	.240	1/4	1/2	**49700**	3/8	1/2	2
.615	.240	3/16	1/2	**49701**	3/16	1/2	2-1/8
7/8	.245	5/16	9/16	**49702**	7/16	1/2	2-1/16
1	.250	3/8	5/8	**49704**	15/32	1/2	2-1/8
1-3/8	.363	1/2	1	**49706**	3/4	1/2	2-1/2
1-3/4	.500	5/8	1-1/4	**49708♦**	1	1/2	2-3/4
2	.500	3/4	1-7/16	**49710♦**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

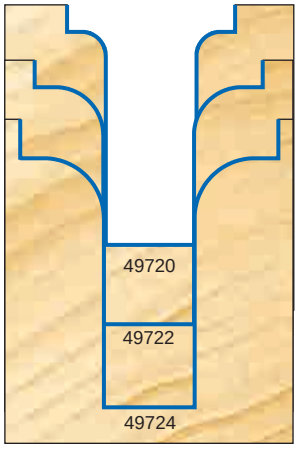
★**WARNING:** These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. Do not use in portable routers.

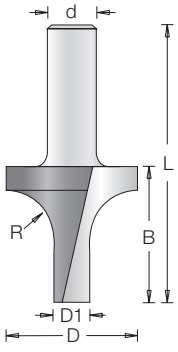
ROUND OVER GROOVE - ELONGATED PLUNGE

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.



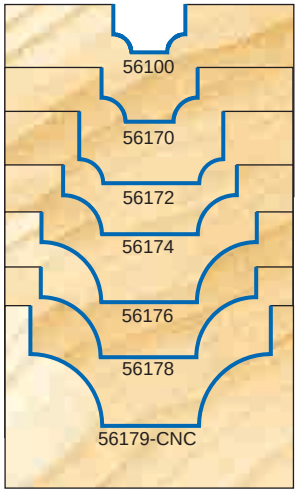


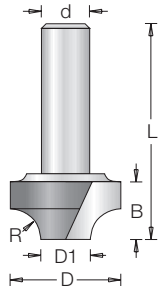
ØD	ØD1	R	Tool No.	B	Ød	L
7/8	1/2	1/8	**49720**	1-1/4	1/2	2-1/2
1-3/16	1/2	1/4	**49722**	1-3/8	1/2	2-3/8
1-11/32	1/2	5/16	**49724**	1-1/2	1/2	3

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.





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

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
1-1/8	1/2	5/16	**56176♦**	9/16	1/4	2-3/8
1-1/8	1/2	5/16	**56178♦**	9/16	1/2	2-3/4
1-1/4	1/2	3/8	**56179-CNC**	5/8	1/2	2-9/16

New

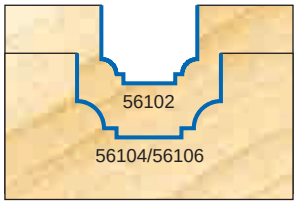
⚠ **WARNING:** Maximum RPM ⚠14 = 14,000

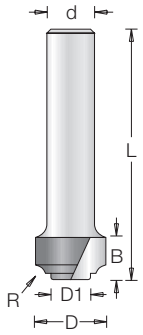
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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.



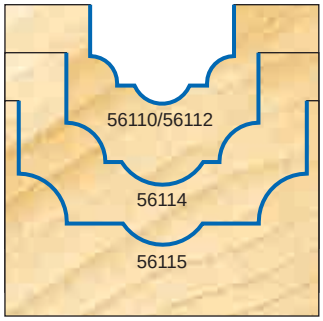


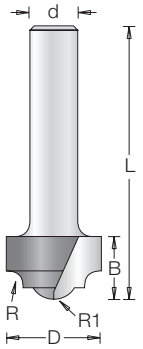
ØD	ØD1	R	Tool No.	B	Ød	L
1/2	.270	5/64	**56102**	13/32	1/4	2-1/16
3/4	.338	9/64	**56104**	7/16	1/4	2-1/16
3/4	.394	9/64	**56106**	7/16	1/2	2-5/8

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.





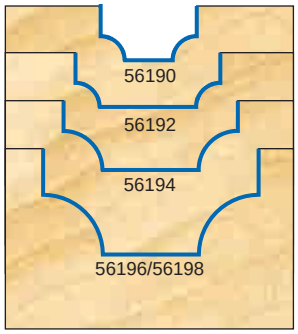
ØD	R	R1	Tool No.	B	Ød	L
1/2	3/32	9/64	**56108**	7/16	1/4	2
3/4	9/64	5/32	**56110**	1/2	1/4	2-1/16
3/4	9/64	5/32	**56112**	1/2	1/2	2-3/4
1	13/64	1/4	**56114**	11/16	1/2	3
1-1/2	1/4	1/4	**56115**♦	3/4	1/2	3

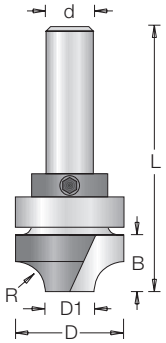
♦ Use in a table-mounted router. Not for use in a handheld router!

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

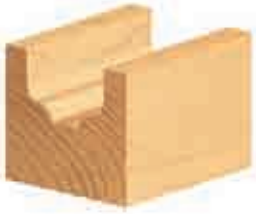
TIP: Use plunge form bits for routing decorative details on the face side of raised panels or solid wood paneling, or on the edge using a fence.

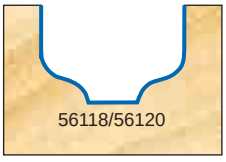
OGEE GROOVE

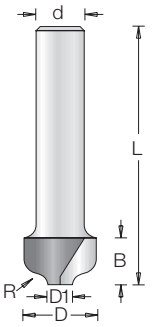
2 FLUTE

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





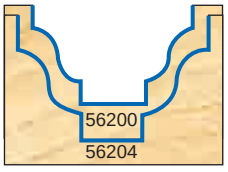


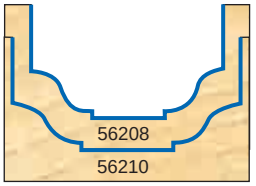
OGEE GROOVE

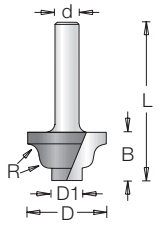
2 FLUTE

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

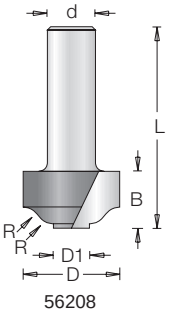
ØD	ØD1	R	Tool No.	B	Ød	L
13/16	5/16	1/8	**56200**	17/32	1/4	1-3/4
15/16	5/16	5/32	**56204**	21/32	1/4	1-7/8
1	3/8	3/16	**56208**	19/32	1/2	1-7/8
1-3/16	15/32	15/64	**56210**	19/32	1/2	1-7/8







56204



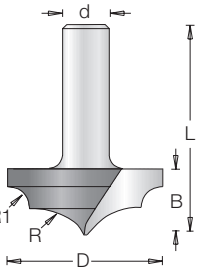
56208

ROUND OVER GROOVE

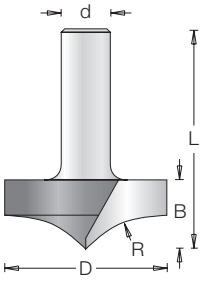
2 FLUTE

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

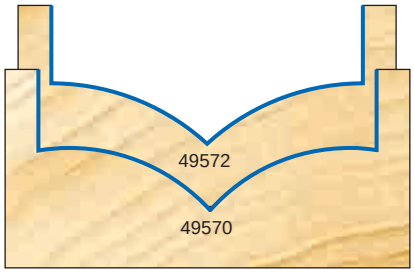


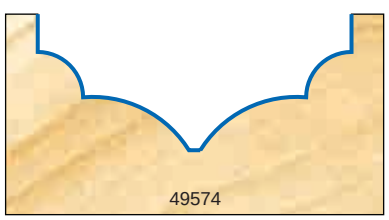
49574



49570

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

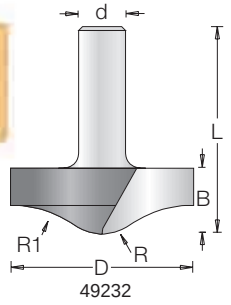




ROUND & OGEE GROOVE

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.

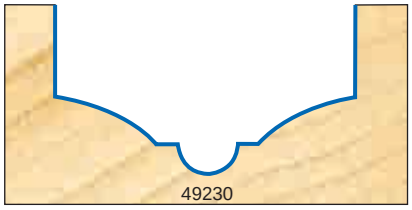


49232

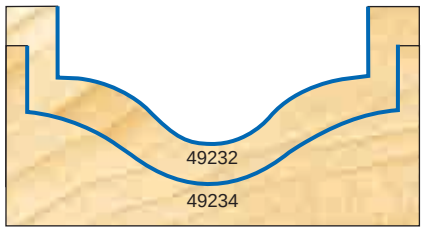
ØD	R	R1	Tool No.	B	Ød	L
1-9/16	5/32	7/8	**49230**	7/8	1/2	2-9/32
1-5/8	3/8	3/4	**49232**	23/32	1/2	2-3/16
1-31/32	5/8	1-3/16	**49234**	23/32	1/2	2-3/16

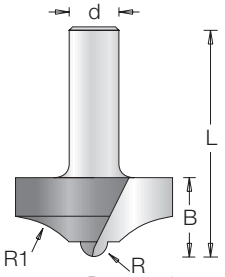
TIP: Use plunge form bits for routing decorative details on the face side of raised panels or solid wood paneling, or on the edge using a fence.

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



49230



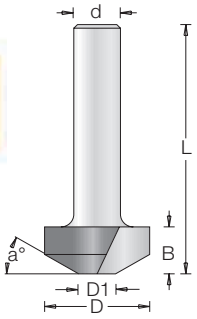


49230

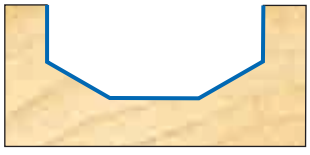
RAISED PANEL GROOVE

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.



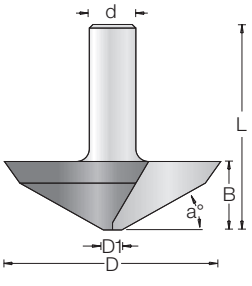
ØD	ØD1	a°	Tool No.	B	Ød	L
1-1/8	.454	30°	**56116**	1/2	1/2	2-3/4



RAISED PANEL GROOVE

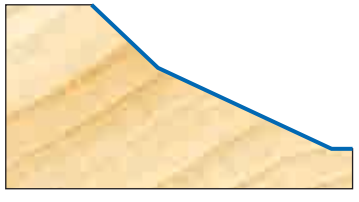
2 FLUTE

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



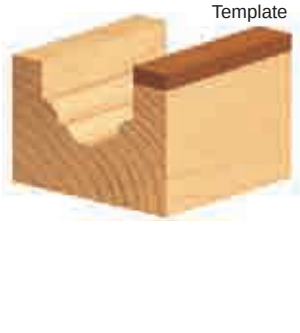
Use in a table-mounted router. Not for use in a handheld router!

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

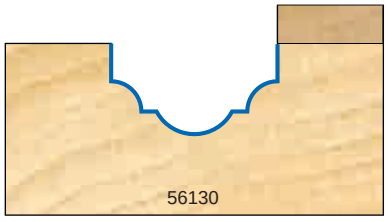
2 FLUTE

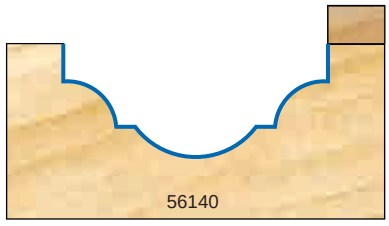
Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router. Form edges with a hand router equipped with an edge guide or on a router table. Shank-mounted bearing allows cuts to be guided by a template mounted atop the workpiece.



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

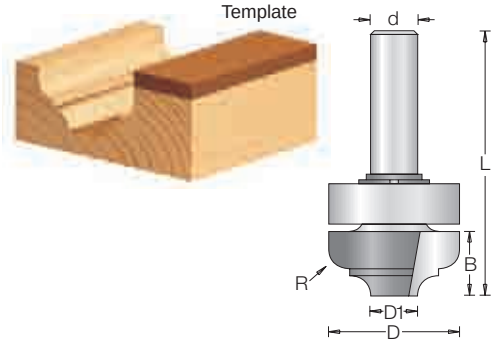




CLASSICAL GROOVE WITH BALL BEARING GUIDE

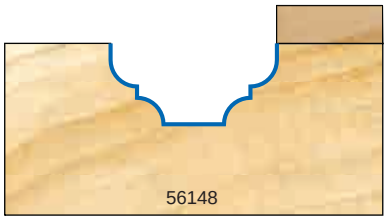
2 FLUTE

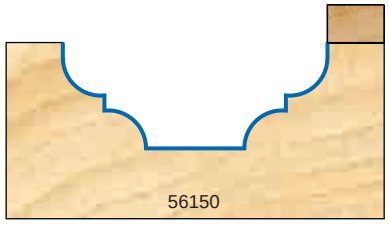
Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router. Form edges with a hand router equipped with an edge guide, or on a router table. Shank-mounted bearing allows cuts to be guided by a template mounted atop the workpiece.



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

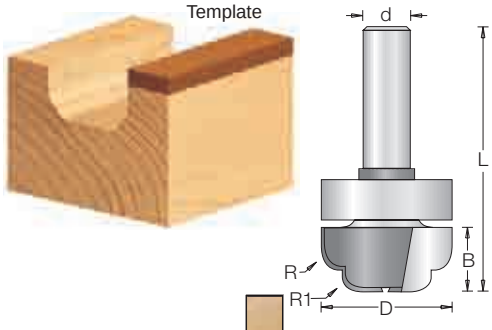




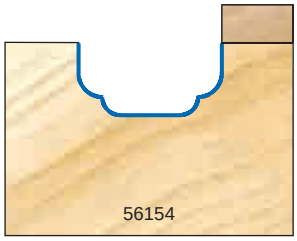
CLASSICAL GROOVE WITH BALL BEARING GUIDE

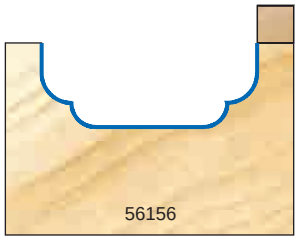
2 FLUTE

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

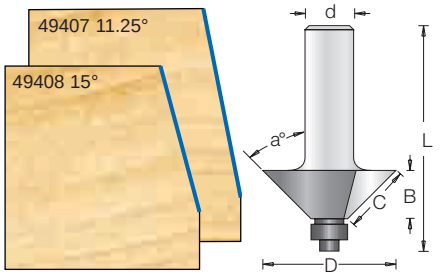




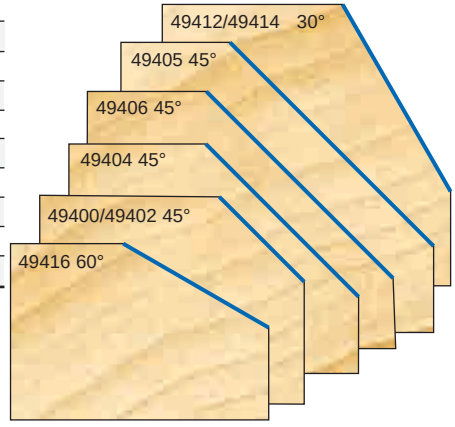
CHAMFER WITH BALL BEARING GUIDE

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

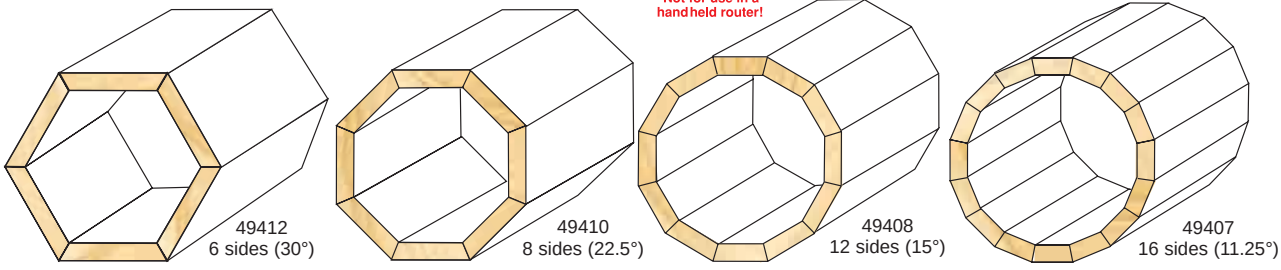


Replacement bearings: #'s 49400, 49402 & 49412 use #47704. #49405 use #47710. All other tools use #47706.

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

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

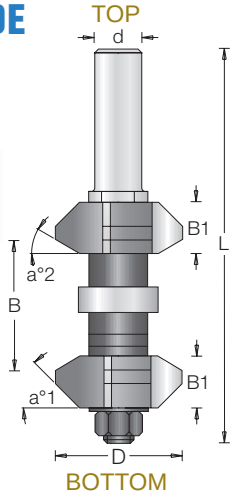
♦ Use in a table-mounted router. Not for use in a handheld router!



VARIABLE DOUBLE CHAMFER ASSEMBLY WITH BALL BEARING GUIDE

3-WING

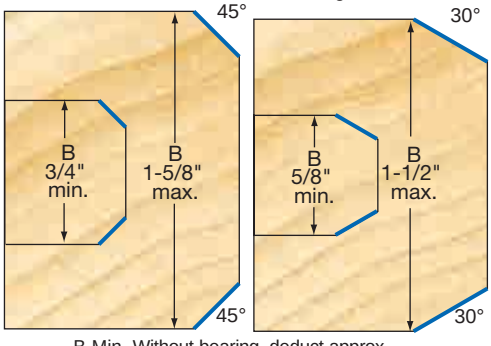
Chamfer both corners of an edge in one pass with this assembly. Switch from 30° or 45° chamfers by switching cutter positions on the arbor. Interchangeable spacers adjust assembly to accommodate different stock thicknesses. The assembly includes the arbor, a pair of multi-angle cutters, pilot bearing, 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 Max. With ball bearing



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

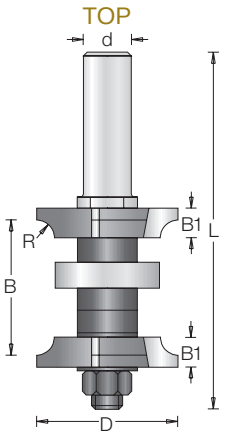
Use in a table-mounted router. Not for use in a handheld router!

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

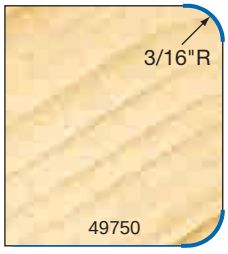
Roundover both the top and bottom edges in just one pass with this assembly. Interchangeable spacers alter cutter spacing to accommodate different stock thicknesses up to 1-1/4". The assembly includes the arbor, a pair of multi-angle cutters, pilot bearing, spacers, and shims. Replacement parts are available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

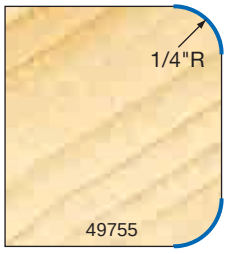


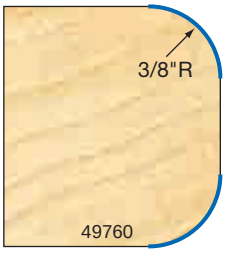
ØD	R	B	Tool No.	B1	Ød	L
1-1/2	3/16	*3/4 to 1-1/4	**49750**	19/64	1/2	3-5/8
1-19/32	1/4	*13/16 to 1-11/32	**49755**	3/8	1/2	3-5/8
1-55/64	3/8	*1 to 1-1/4	**49760**	33/64	1/2	3-5/8

*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!



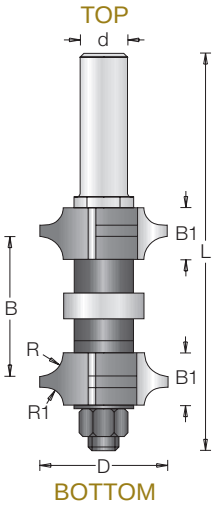




VARIABLE DOUBLE CORNER ROUND ASSEMBLY WITH BALL BEARING GUIDE

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

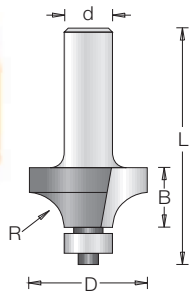
Use in a table-mounted router. Not for use in a handheld router!

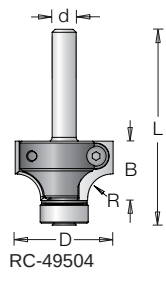
		B Stock Thickness Min.	Max.
R1=1/4"	With Ball Bearing	13/16"	1-9/16"
R2=3/16"	With Ball Bearing	11/16"	1-7/16"
R1=1/4"	Without Ball Bearing	1/2"	1-9/16"
R2=3/16"	Without Ball Bearing	3/8"	1-7/16"

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.

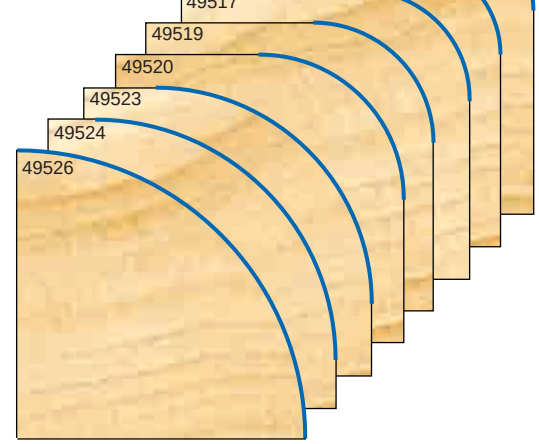




RC-49504

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)

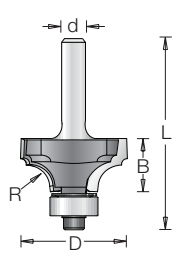
Replacement Knife #RCK-272 (2 Required)

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

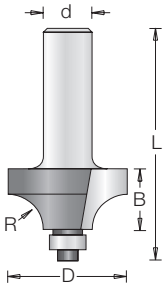
Replacement bearing #47706.

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***

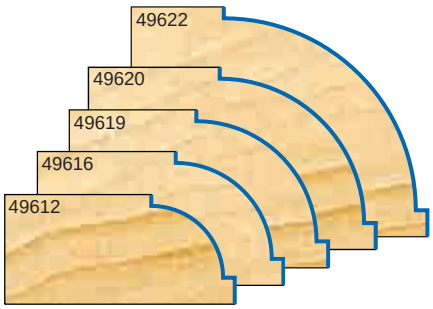
BEADING WITH BALL BEARING GUIDE

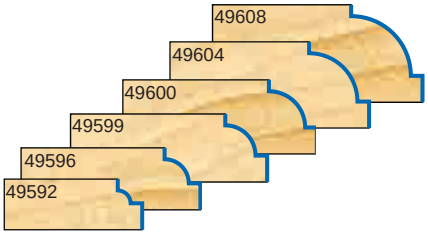
2 FLUTE

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.

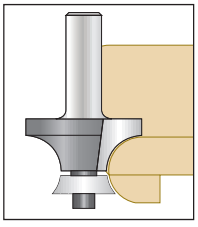
♦ Use in a table-mounted router. Not for use in a handheld router!

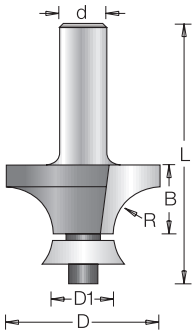
⚠ **WARNING:** Maximum RPM 14 = 14,000

CORNER ROUNDING WITH ULTRA-GLIDE™ RADIUS BEARING

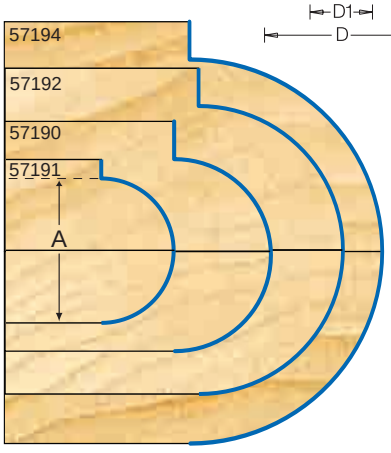
2 FLUTE

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
New 1-3/8	3/4	3/8	**57191**	3/8	5/8	1/2	2-5/8
1-5/8	1	1/2	**57190**	5/8	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).

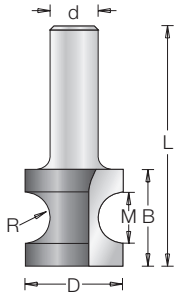
Ultra-Glide™ replacement bearing #47766 for #57191.
Ultra-Glide™ replacement bearing #47767 for #57190.
Ultra-Glide™ replacement bearing #47768 for #57192.
Ultra-Glide™ replacement bearing #47769 for #57194.

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

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

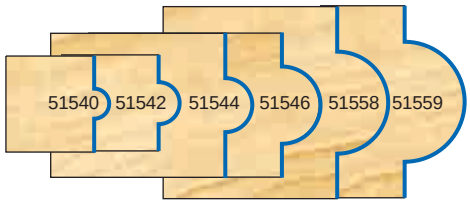
BULLNOSE

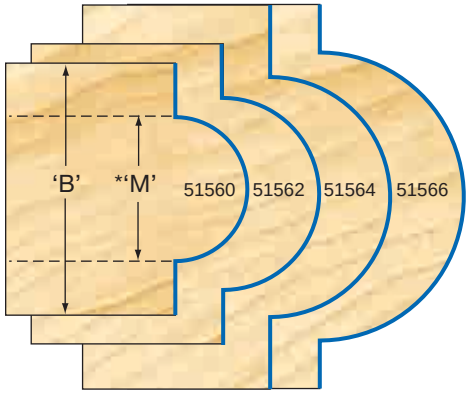
2 FLUTE & 3 FLUTE (51566 ONLY)



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.

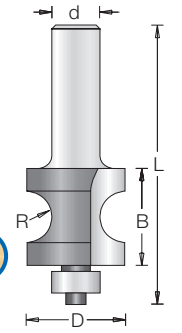
★**WARNING:** These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. Do not use in portable routers.

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

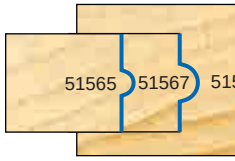
⚠ **WARNING:** Maximum RPM 10 = 10,000; 14 = 14,000; 18 = 18,000 20 = 20,000

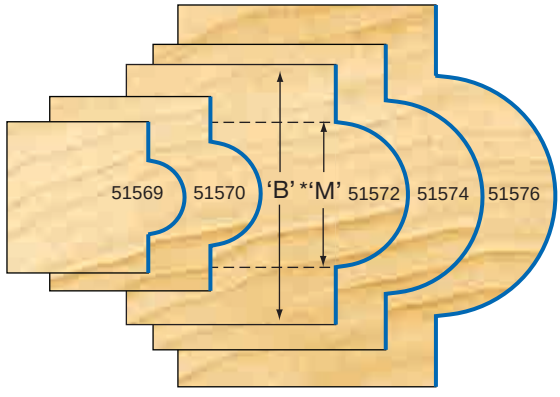
BULLNOSE WITH BALL BEARING GUIDE

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.

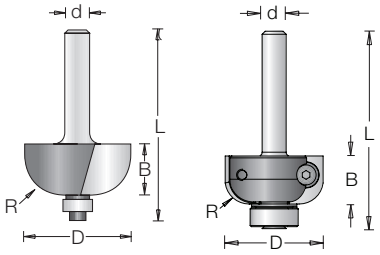
⚠ **WARNING:** Maximum RPM 14 =14,000 18 =18,000 20 =20,000

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

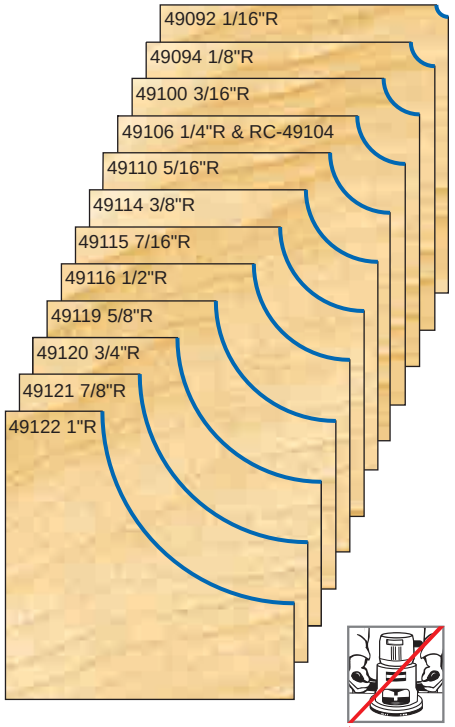
	ØD	R	Tool No.	B	Ød	L
	1/2	1/16	**49092**	1/2	1/4	2
	5/8	1/8	**49094**	1/2	1/4	2
	3/4	3/16	**49100**	9/16	1/4	2
	3/4	3/16	**49102**	9/16	1/2	2-3/8
	7/8	1/4	**49104**	9/16	1/4	2
New	1	1/4	**RC-49104**	1/2	1/4	2-1/16
	7/8	1/4	**49106**	9/16	1/2	2-3/8
	1	5/16	**49108**	9/16	1/4	2-1/8
	1	5/16	**49110**	9/16	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

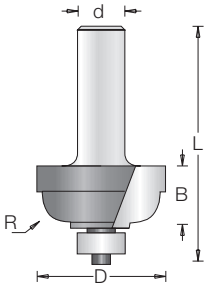


♦ Use in a table-mounted router. Not for use in a handheld router!

CLASSICAL COVE WITH BALL BEARING GUIDE

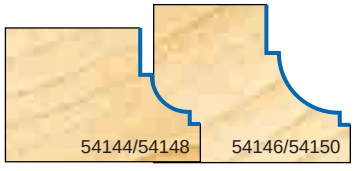
2 FLUTE

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

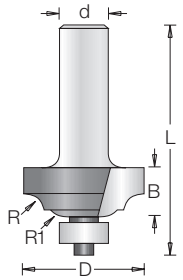
Replacement bearing #47706.



CLASSICAL BEAD & COVE W/BALL BEARING GUIDE

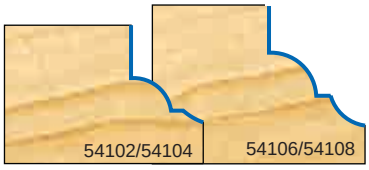
2 FLUTE

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

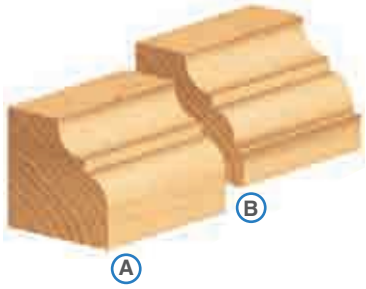
Replacement bearing #47706.



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.

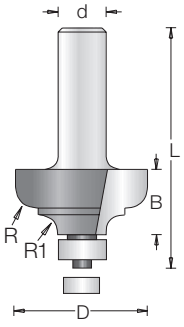


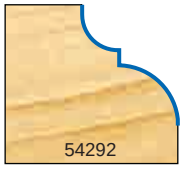
ØD	R	R1	Tool No.	B	Ød	L
1-1/8	5/32	5/32	**54128**	1/2	1/4	2
1-3/8	1/4	3/16	**54130**	11/16	1/4	2-3/16
1-1/8	5/32	5/32	**54132**	1/2	1/2	2-3/8
1-3/8	1/4	3/16	**54134**	11/16	1/2	2-9/16
1-1/2	3/16	5/16	**54292**	5/8	1/2	2-1/2
18 2	11/32	11/32	**54100**	1-1/4	1/2	3-1/8
18 2	3/8	3/8	**54135**	1	1/2	2-3/4

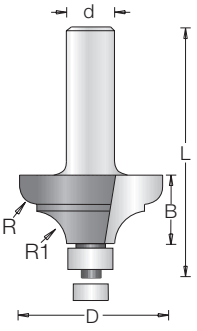
WARNING: Maximum RPM 18 = 18,000

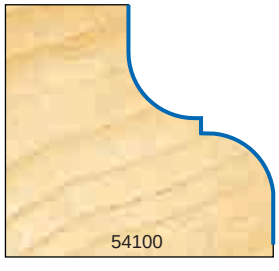
(A) Standard 1/2" bearing #47706 (Included).

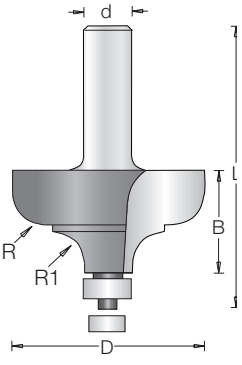
(B) Optional 3/8" bearing #47702 (Order separately).











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™

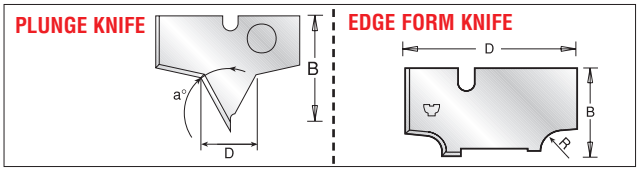
Patent #129720

Router Bits with Replaceable Carbide Knives

HIGH-TECH TOOLS FOR WOODWORKING

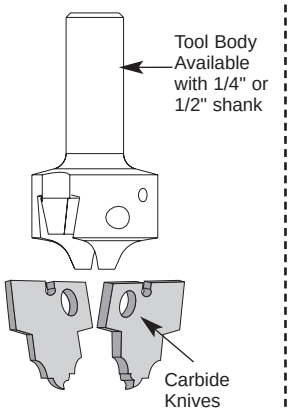
Multi-Profile Router Cutter System

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.



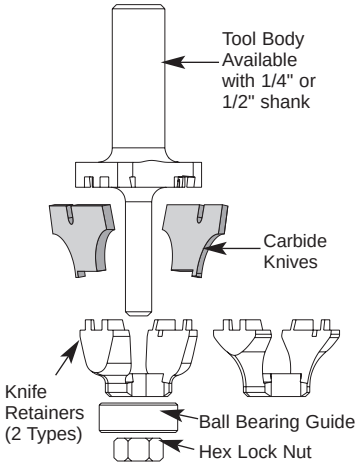
BODY TYPE B
For Plunge Routing

6 Profiles Available



BODY TYPE A
For Edge Form Routing

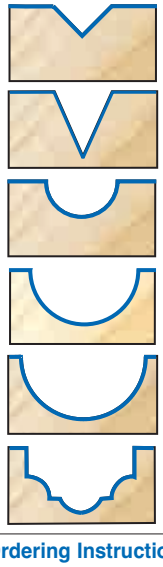
23 Profiles Available



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 KNIVES 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™

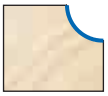
Patent #129720

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

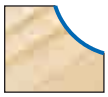
R	ØD	B	Tool No.
1/4"	1-3/8"	11/16"	NRC-A11

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

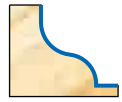


SPECIAL COVE KNIVES, PAIR

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

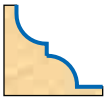
R1	R	ØD	B	Tool No.
11/64"	5/32"	1-1/2"	11/16"	NRC-A16

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

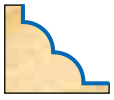
R	ØD	B	Tool No.
5/32"	1-1/2"	11/16"	NRC-A20

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

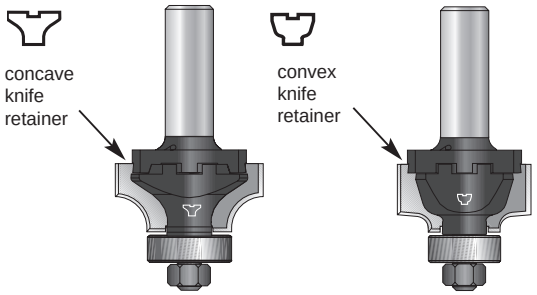
Ordering Instructions: Choose the plunge type body 'A'

† These items also available in set form.

Replacement knife retaining screws #67084 (2 required).

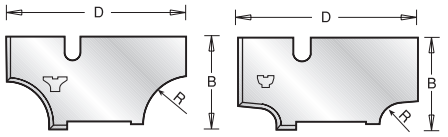
Replacement hex key #5007.

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

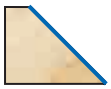
CORE BOX KNIVES, PAIR

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

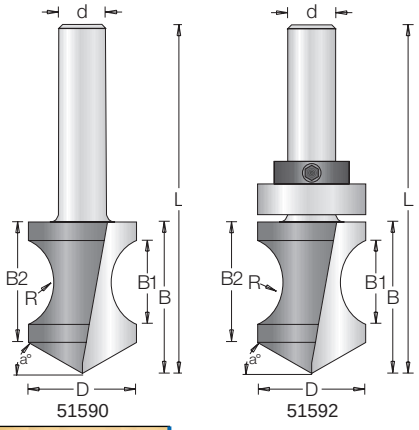
CORNER ROUND KNIVES, PAIR

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

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.



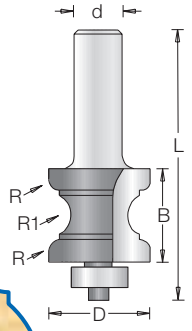
ØD	a°	R	B	Tool No.	B1	B2	Ød	L
1-1/8	45°	1/2	1-9/16	**51590**	7/8	1-1/4	1/2	3-5/8
1-1/8	45°	1/2	1-9/16	***51592**	7/8	1-1/4	1/2	3-5/8

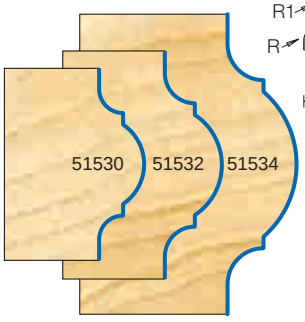
***Replacement bearing #47738 and collar #47740.**

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.





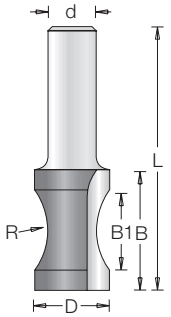
ØD	R	R1	Tool No.	B	Ød	L
1-1/8	1/8	1/4	**51530**	1	1/2	2-7/8
1-1/4	5/32	5/16	**51532**	1-3/16	1/2	3
1-3/8	3/16	1/2	**51534**	1-9/16	1/2	3-3/8

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.



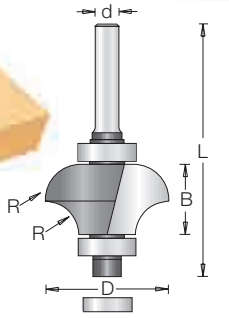
ØD	R	B	Tool No.	B1	Ød	L
13/16	23/32	1-1/4	**51580**	27/32	1/4	2-1/2
13/16	23/32	1-1/4	**51582**	27/32	1/2	2-3/4
New 7/8	5/16	53/64	***51584**	1/2	1/2	2-21/64

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

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

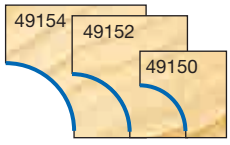
2 FLUTE

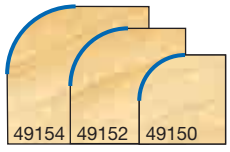
Cut rule joints with a single bit carrying perfectly matched profiles. Switch from the cove to the quarter-round profile simply by changing the extension of the bit. Use in handheld or table-mounted routers.



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.

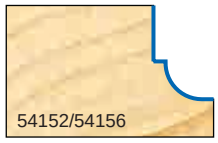


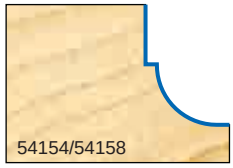


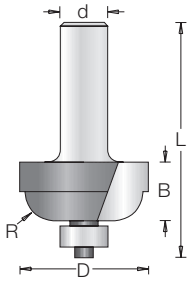
SPECIAL COVE WITH BALL BEARING GUIDE

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.





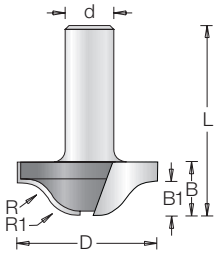


ØD	R	Tool No.	B	Ød	L
1-1/8	3/16	**54152**	1/2	1/4	2
1-3/8	5/16	**54154**	5/8	1/4	2-1/8
1-1/8	3/16	**54156**	1/2	1/2	2-3/8
1-3/8	5/16	**54158**	5/8	1/2	2-1/2

Replacement bearing #47706.

BASE MOULDING OGEE EDGE DETAIL

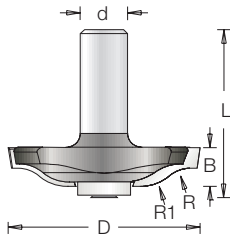
2 FLUTE



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

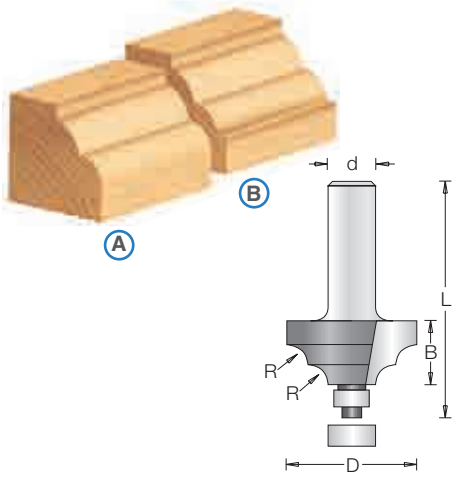
Replacement bearing #47706

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

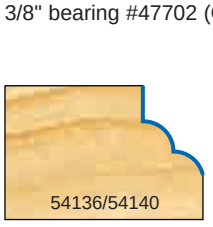
2 FLUTE

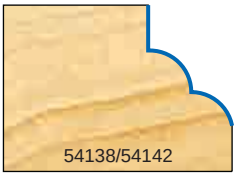
A double quarter-round profile is produced by this tool. The depth-of-cut setting determines whether or not a fillet is formed at the top. Switching from the standard pilot bearing to the optional 3/8" bearing introduces a fillet at the bottom of the profile. Use in either handheld or table-mounted routers.

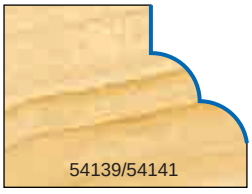


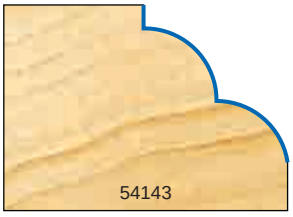
ØD	R	Tool No.	B	Ød	L
1-1/8	5/32	**54136**	1/2	1/4	2
1-3/8	7/32	**54138**	11/16	1/4	2-3/16
1-1/2	1/4	**54139**	3/4	1/4	2-3/8
1-1/8	5/32	**54140**	1/2	1/2	2-3/8
1-3/8	7/32	**54142**	11/16	1/2	2-9/16
1-1/2	1/4	**54141**	3/4	1/2	2-3/4
1-3/4	3/8	**54143**	7/8	1/2	2-7/8

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


54136/54140


54138/54142

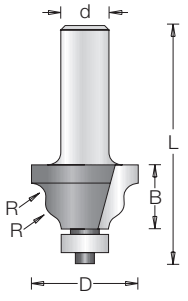

54139/54141


54143

WAVY EDGE WITH BALL BEARING GUIDE

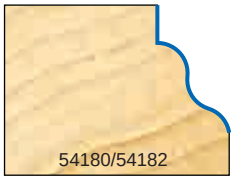
2 FLUTE

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

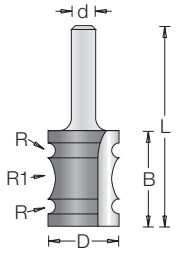
Replacement bearing #47706.


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

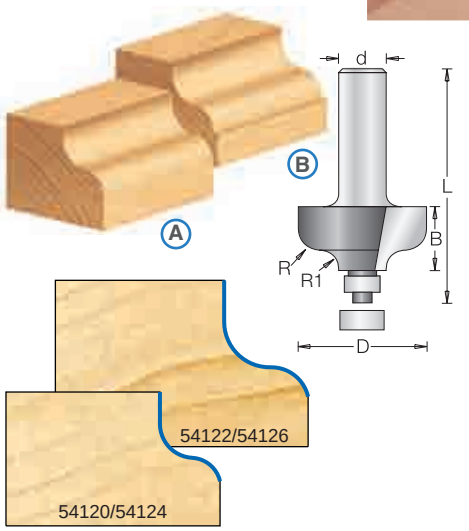
OGEE WITH BALL BEARING GUIDE

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

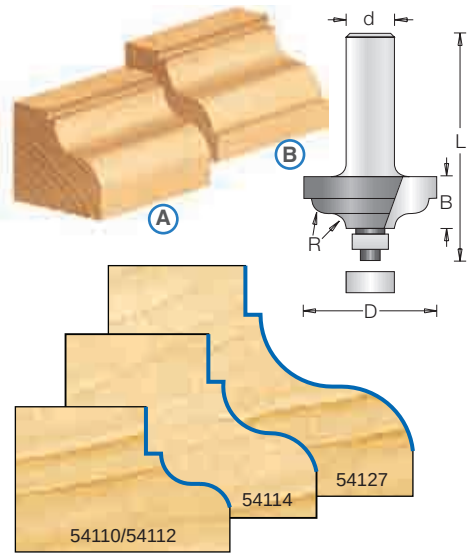
2 FLUTE

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



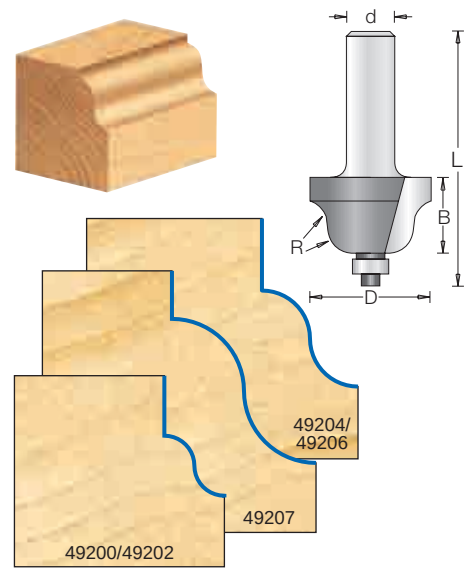
ROMAN OGEE WITH BALL BEARING GUIDE

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.



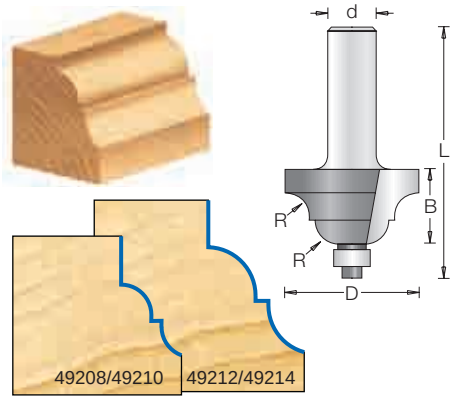
COVE & BEAD WITH BALL BEARING GUIDE

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.



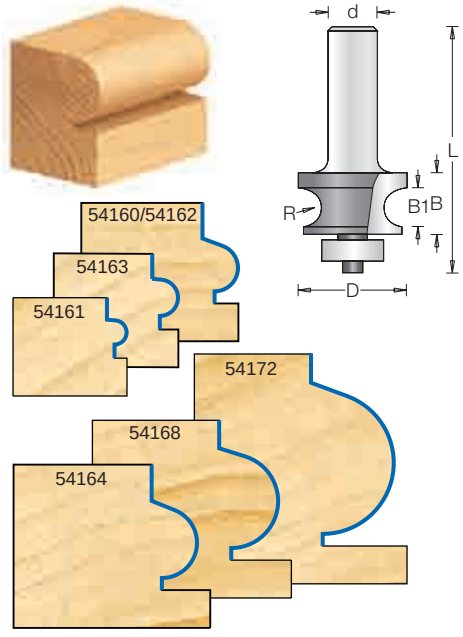
CORNER BEADING WITH BALL BEARING GUIDE

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.



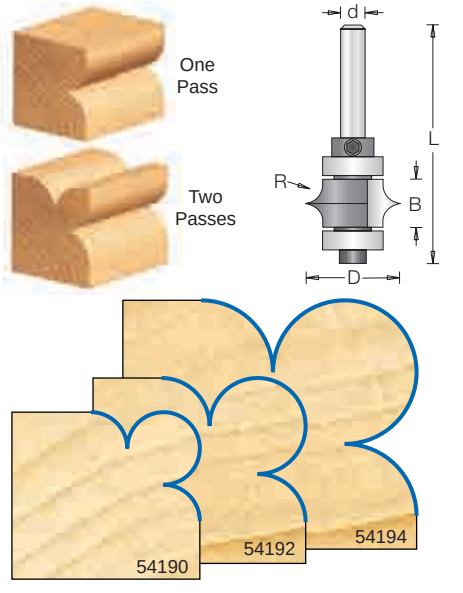
'LEAF-EDGE' BEADING WITH BALL BEARING GUIDE

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

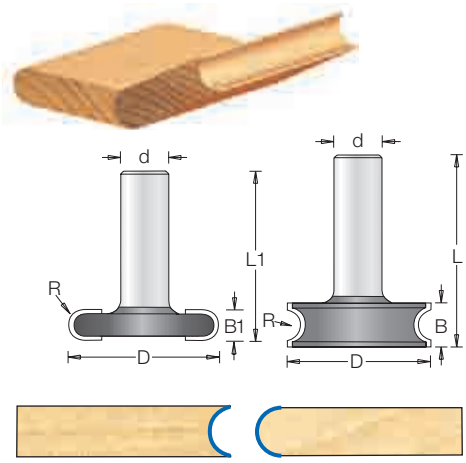
2 FLUTE

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!

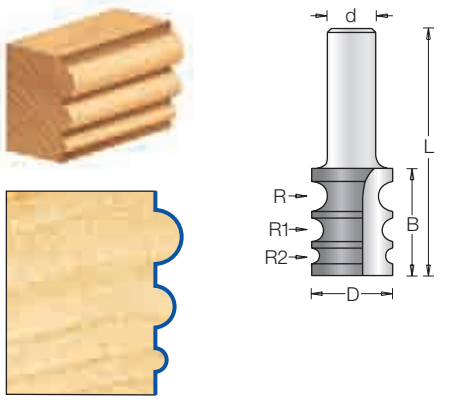


VARIABLE BEADING

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

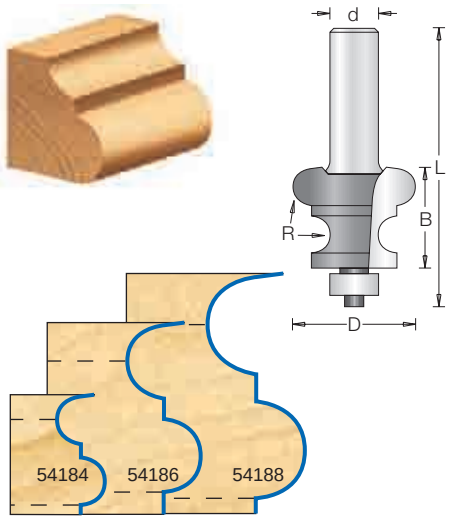
This dual purpose bit produces both moldings and joints. Use in place of matched flute-and-bead bit sets to mill the edges of strips used in various stave constructions like planters, canoes and hot tubs. Switch from fluting to beading by raising or lowering the bit. Pilot bearing allows use for template-guided 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
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!



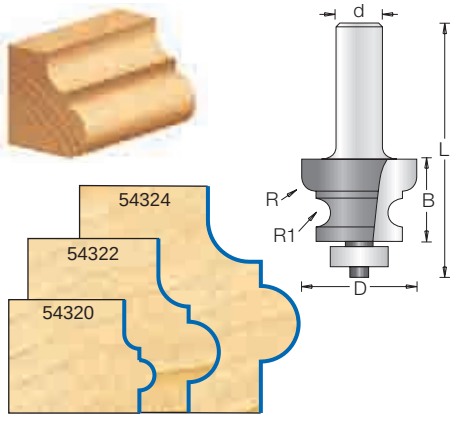
EDGE MOLDING WITH BALL BEARING GUIDE

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.



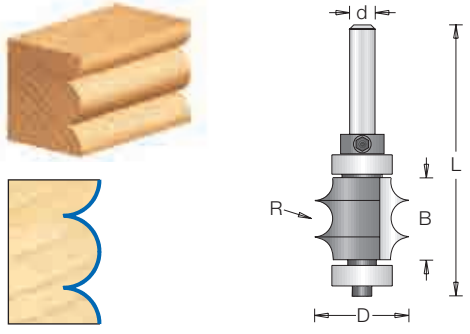
MULTI-EDGE BEADING WITH DOUBLE BALL BEARINGS

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.

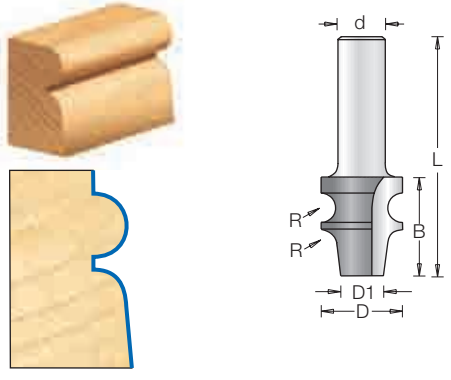


EDGE BEADING

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



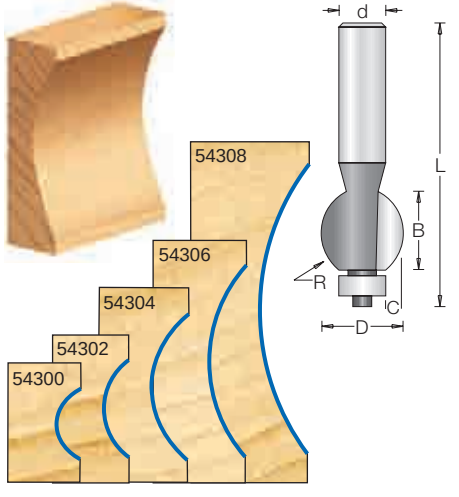
EDGE FLUTING WITH BALL BEARING GUIDE

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

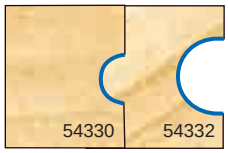
Replacement bearing #47706.

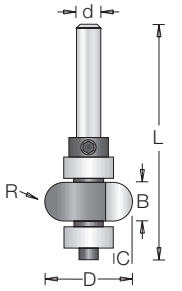


EDGE-FLUTING ASSEMBLY WITH DOUBLE BALL BEARINGS

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.





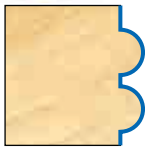
ØD	R	B	Tool No.	C	Ød	L
3/4	1/8	1/4	**54330**	1/8	1/4	2-1/4
7/8	13/64	3/8	**54332**	1/4	1/4	2-3/8

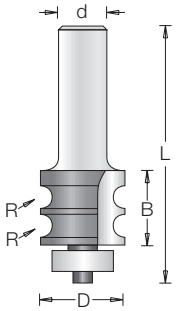
Replacement bearings #47701 (upper) and #47706 (lower).
Replacement collar #47724.

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.



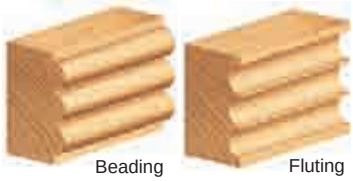


ØD	R	B	Tool No.	Ød	L
7/8	1/8	3/4	**54294**	1/2	2-5/8

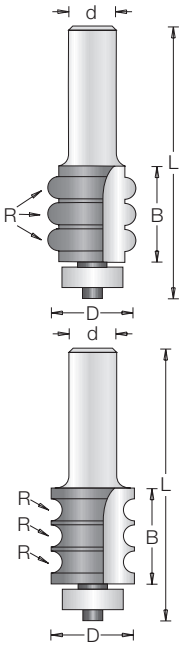
Replacement bearing #47716.

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.



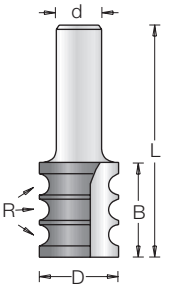
ØD	TYPE	R	Tool No.	B	Ød	L
7/8	Bead	1/8	**54211**	1	1/4	2-5/8
7/8	Bead	1/8	**54213**	1	1/2	3
7/8	Flute	1/8	**54215**	1	1/4	2-5/8
7/8	Flute	1/8	**54217**	1	1/2	3

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.



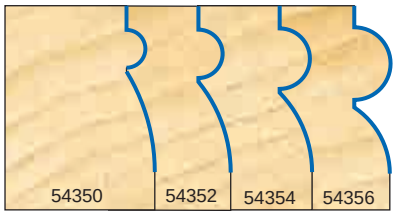
ØD	TYPE	R	Tool No.	B	Ød	L
7/8	Bead	1/8	**54210**	1	1/4	2-1/4
7/8	Bead	1/8	**54212**	1	1/2	2-3/4

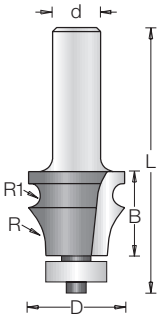
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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

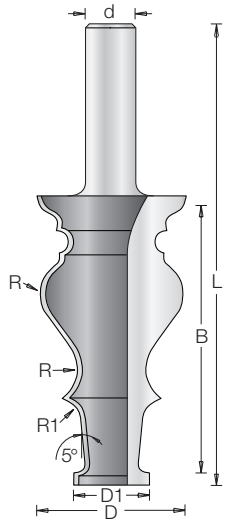
Replacement bearing #47716.

COLONIAL DOOR CASING ROUTER BITS (DOOR & WINDOW OPENING MOLDINGS)

2 FLUTE

Create elegant colonial 2-3/4" wide door & window moldings.

New



ØD	ØD1	R	R1	Tool No.	B	Ød	L
1-17/32	51/64	3/8	1/4	**54295**	2-3/4	1/2	4-1/2

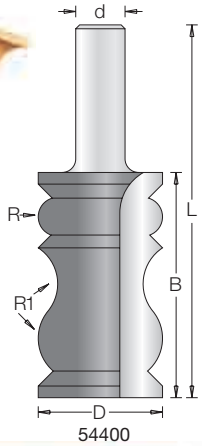
CROWN MOLDING 2 FLUTE

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.

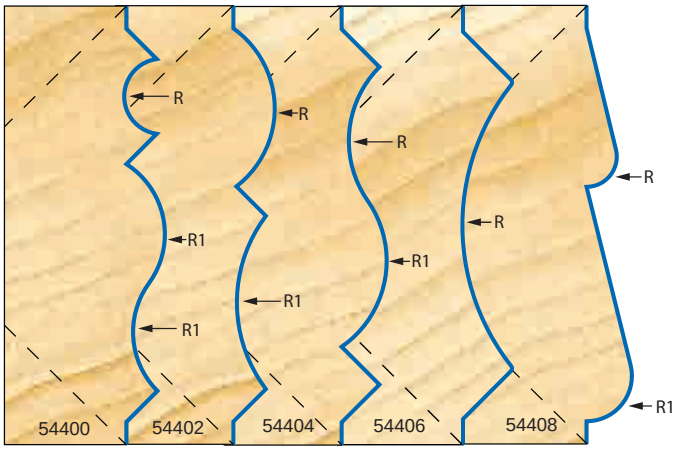
ØD	R	R1	Tool No.	B	Ød	L
16 1-1/4	3/16	7/16	**54400**	2-1/4	1/2	3-3/4
16 1-1/4	1/2	3/4	**54402**	2-1/4	1/2	3-3/4
16 1-1/4	17/32	17/32	**54404**	2-1/4	1/2	3-3/4
16 1-1/4	1-3/16	—	**54406**	2-1/4	1/2	3-3/4
16 1-1/4	5/32	15/64	**54408**	2-1/4	1/2	3-3/4

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

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



54400



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

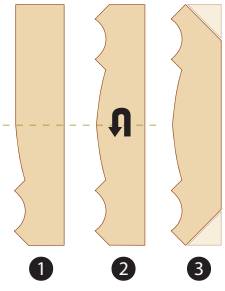
Can be used with other Crown Molding Bits to create many different combinations!

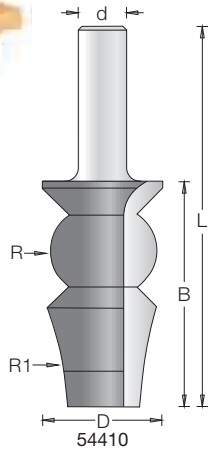
REVERSIBLE CROWN MOLDING EXTENDER

2 FLUTE

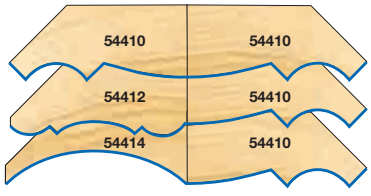
Create crown molding up to 4-1/2" wide!

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!

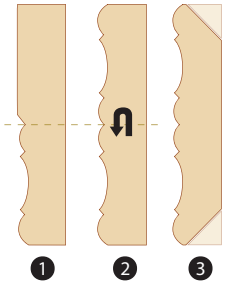
REVERSIBLE CROWN MOLDING

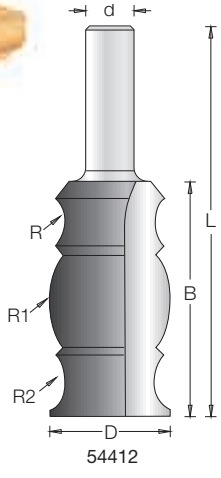
New

2 FLUTE

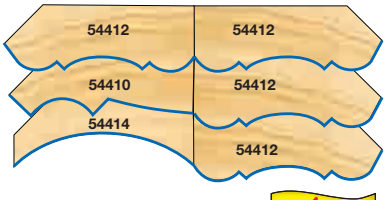
Give your ceilings that finished look!

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



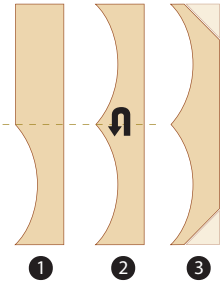
Use in a table-mounted router. Not for use in a handheld router!

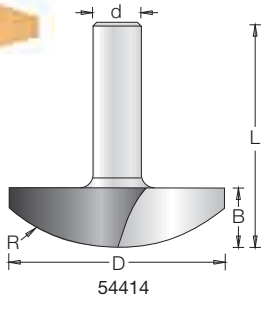
HORIZONTAL CROWN MOLDING

New

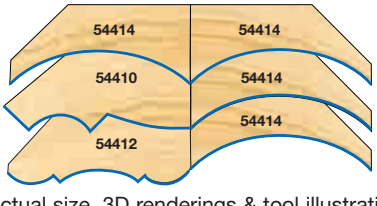
2 FLUTE

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.

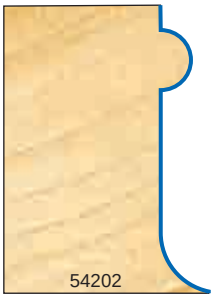
Use in a table-mounted router. Not for use in a hand held router!

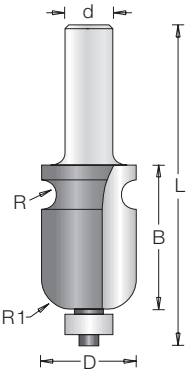
Type	ØD	R	R1	R2	Tool No.	R3	B	Ød	L
#1	7/8	5/32	5/16	—	**54202**	—	1-1/2	1/2	3-3/8
#2	7/8	5/32	—	5/16	**54204**	—	1-3/8	1/2	3-3/8
#3	1	9/64	3/16	25/32	**54218**	15/64	1-5/8	1/2	3-1/4
12 ! #4	1	1/8	7/8	3/8	**54220**	—	1-11/16	1/2	3-1/4
14 ! #5	1-1/2	5/32	—	—	**54250**	—	2	1/2	3-1/2
14 ! #6	1-1/2	—	—	—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

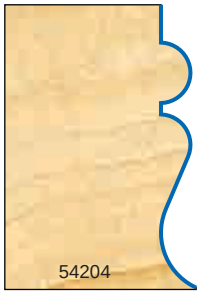
△! **WARNING:** Maximum RPM 12 = 12,000 (54220); 14 = 14,000. (54250 & 52452).

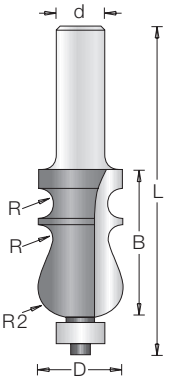
TYPE #1



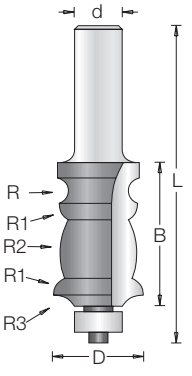


TYPE #2



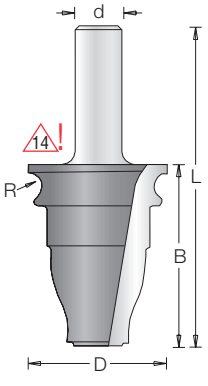


TYPE #3

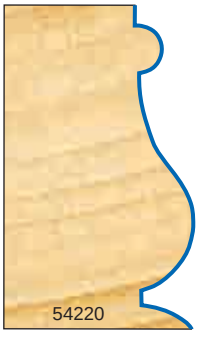


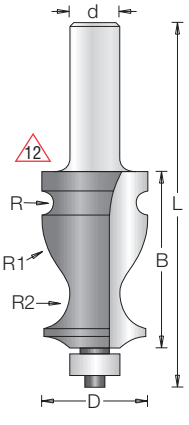
TYPE #5

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



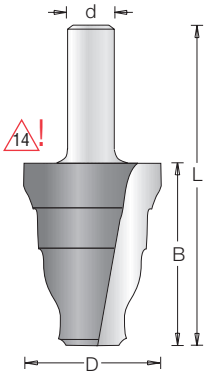
TYPE #4



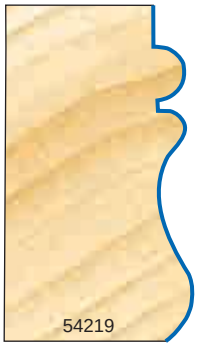


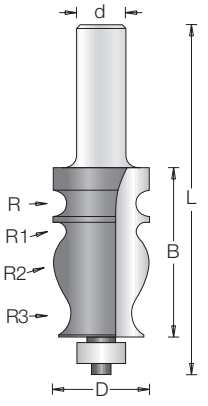
TYPE #6

(No ball bearing)



TYPE #7

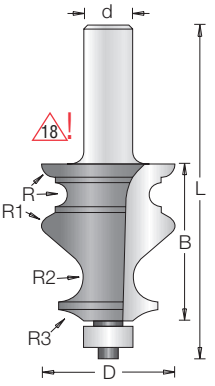




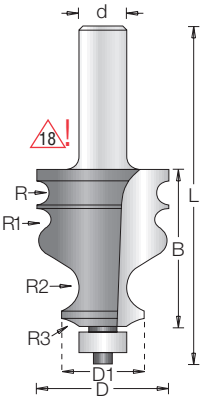
ARCHITECTURAL MOLDING W/BALL BEARING GUIDE

2 FLUTE

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



TYPE #8

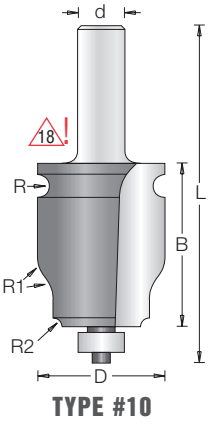


TYPE #9

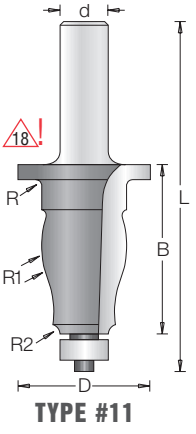
Type	ØD	ØD1	R	R1	Tool No.	R2	R3	B	Ød	L
#8	1-3/8	—	1/8	3/32	**54222**	1/4	7/16	1-5/8	1/2	3-1/2
#9	1-3/8	7/8	1/8	1/16	**54224**	1/4	7/16	1-5/8	1/2	3-1/2
#10	1-3/8	—	1/8	3/8	**54226**	3/32	—	1-3/4	1/2	3-5/8
#11	1-3/8	—	1/16	1	**54228**	1/8	—	1-3/4	1/2	3-5/8
New #17	3	2-1/2	1/8	3/16	**54244**	1/2	—	2-1/2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

Replacement bearing #47706.

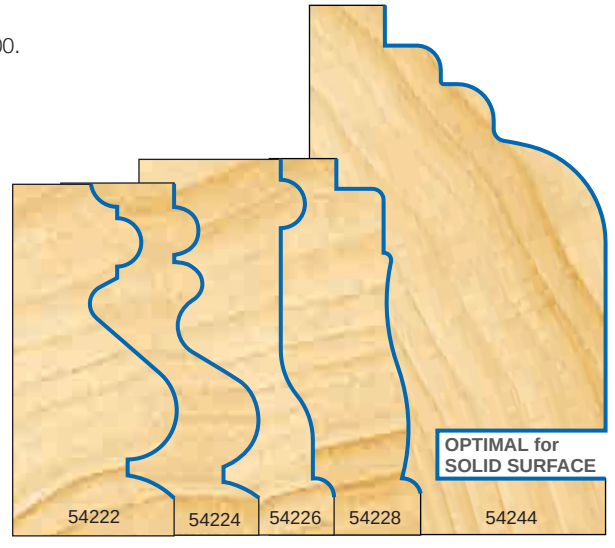
⚠ **WARNING:** Maximum RPM 18 = 18,000.

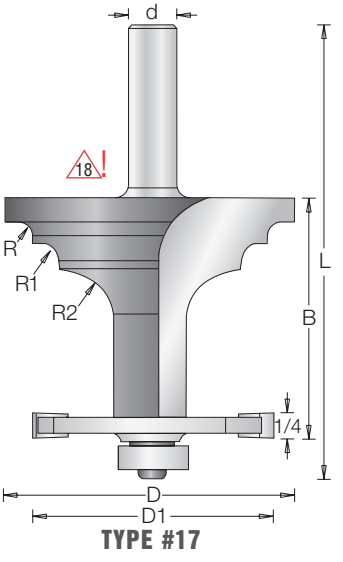


TYPE #10



TYPE #11





TYPE #17

ARCHITECTURAL MOLDING W/BALL BEARING GUIDE

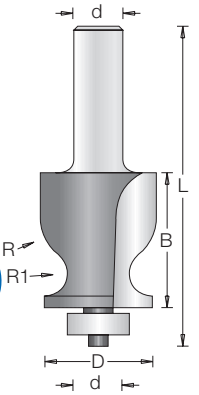
2 FLUTE

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

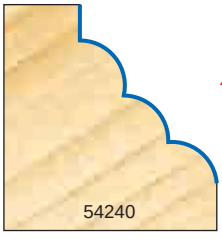
Type	ØD	R	R1	Tool No.	B	Ød	L
#12	1-3/16	1/2	1/4	**54234**	1-3/8	1/2	3-1/4
18 #13	1-3/4	1/8	—	**54236**	1-1/2	1/2	3-1/2
18 #14	1-3/8	9/32	3/16	**54238**	1-1/2	1/2	3-1/2
18 #15	1-7/8	15/64	—	**54240**	1-5/16	1/2	2-7/8

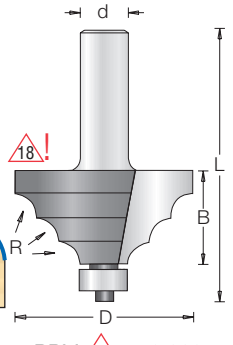
Replacement bearing for #'s 54234, 54236, 54238 use #47716.
Replacement bearing for #54240 use #47706.
Replacement bearing for #54242 use #47713.

TYPE #12

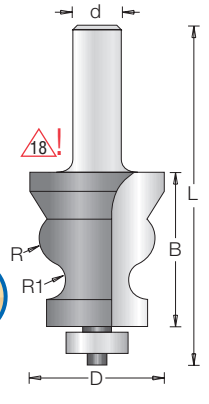


TYPE #15

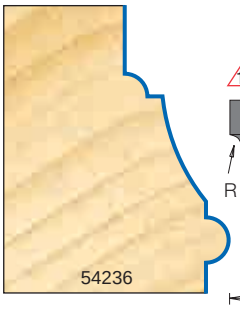


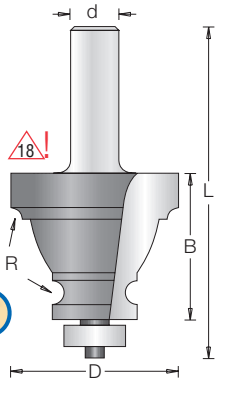


TYPE #14



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

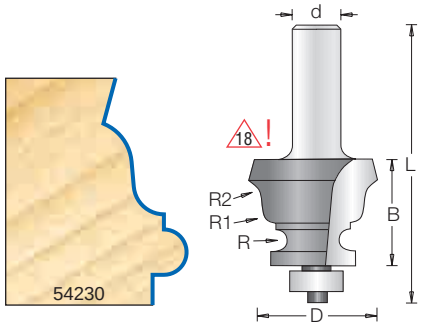
2 FLUTE

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.

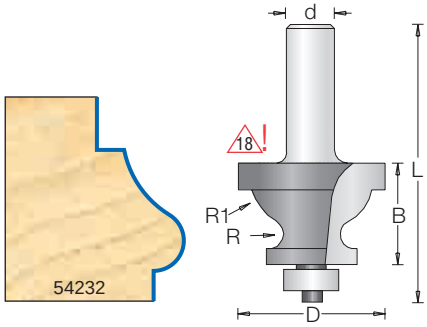
Use in a table-mounted router. Not for use in a hand held router!

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

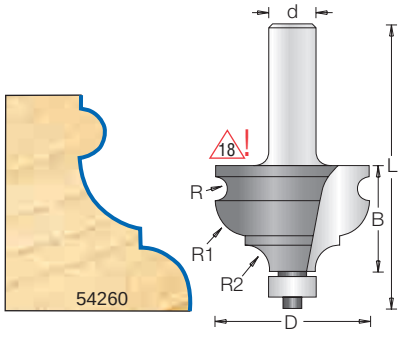
WARNING: Maximum RPM 18 = 18,000.



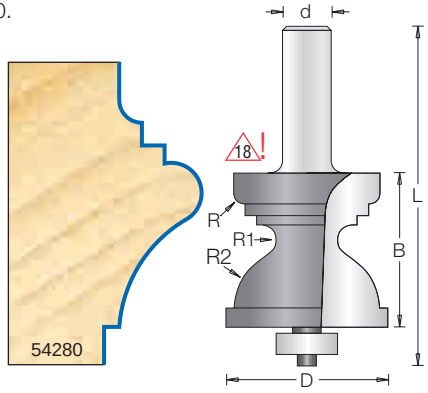
54230



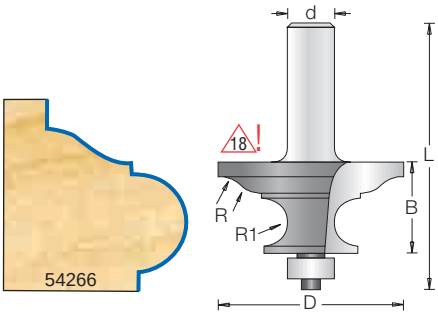
54232



54260



54280



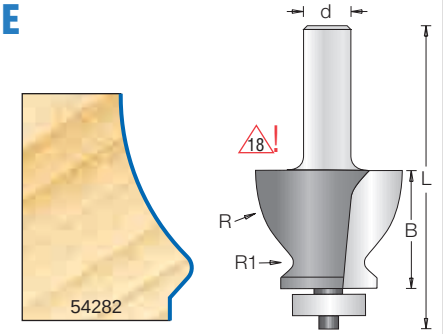
54266

SPECIAL INTEREST MOLDING W/BALL BEARING GUIDE

2 FLUTE

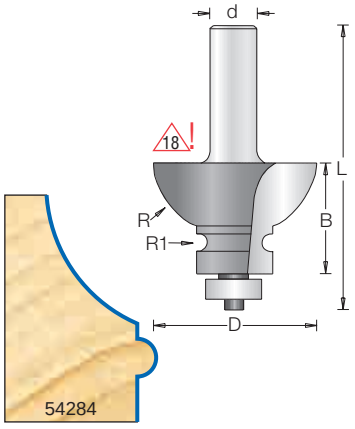
ØD	R	R1	Tool No.	B	Ød	L	Replacement Bearing
1-1/2	1-3/16	5/64	**54282**	1-3/16	1/2	2-5/8	47714
1-3/4	25/32	3/32	**54284**	1-3/16	1/2	3	47712
1-3/4	23/64	—	**54286**	1	1/2	3	47712
1-3/4	3/8	3/32	**54288**	1	1/2	3	47706
1	9/64	5/8	**54290**	1	1/2	3	47706

WARNING: Maximum RPM 18 = 18,000.

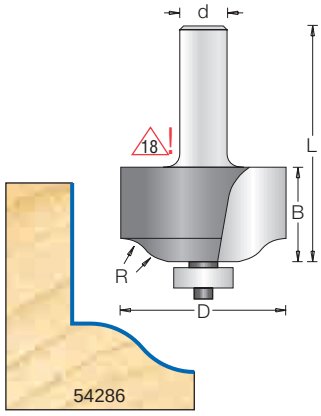


54282

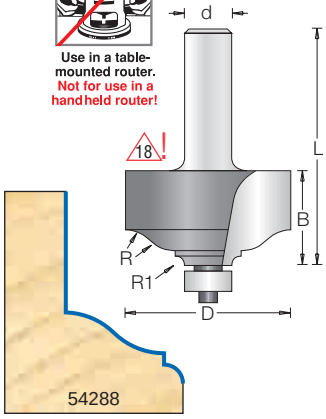
Use in a table-mounted router. Not for use in a hand held router!



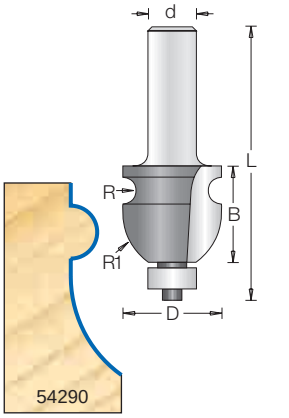
54284



54286



54288



54290

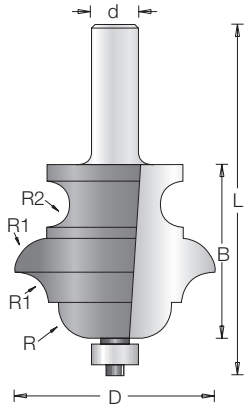
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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.

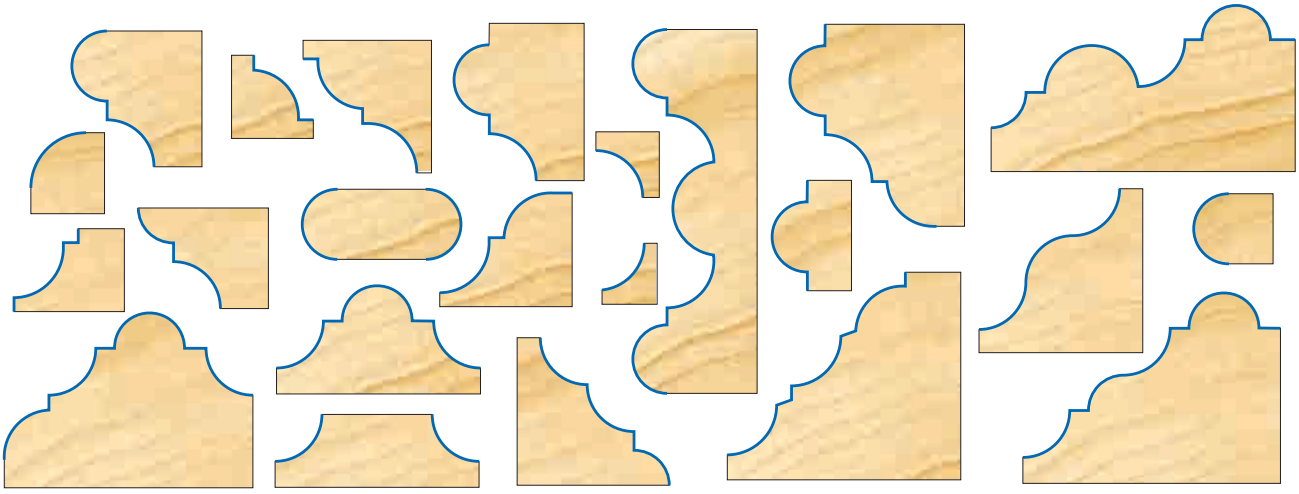
Use the bit only in a table-mounted router. Available with 1/2" shank only. Tool #54198 is a miniature version of the multi-form bit.



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!

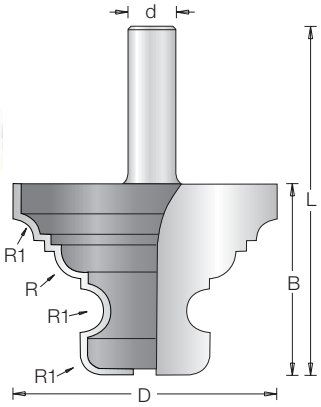
⚠ **WARNING:** Maximum RPM 12 = 12,000.



(Wood profiles not shown at actual size.)

MULTI-PROFILE

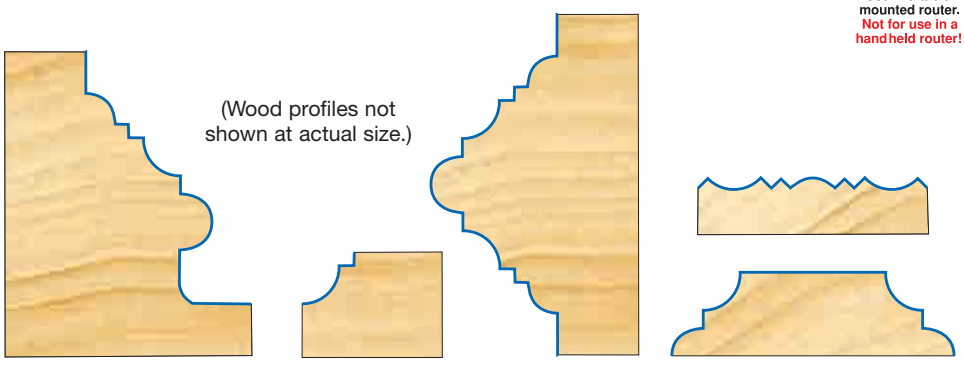
A companion to the classical multi-form, this bit expands the range. Simple adjustments to the bit height and the fence position enable you to cut a variety of profiles and details. Use only in a table-mounted router.



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***

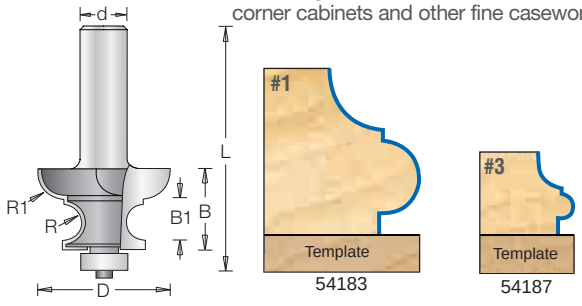
FURNITURE PROFILE ROUTER BITS DESIGNED BY *Lonnie Bird*

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

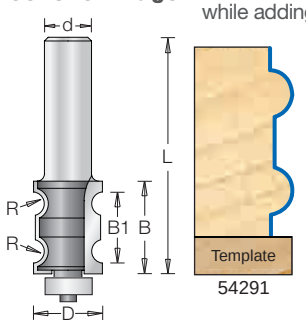
Trim Molding

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



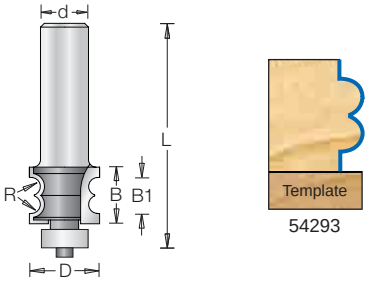
Bookshelf Edge

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



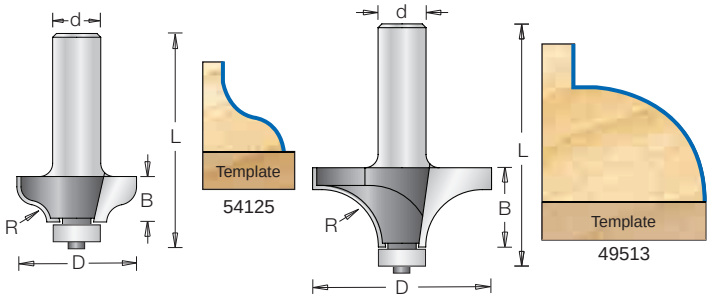
Divider Edge

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.

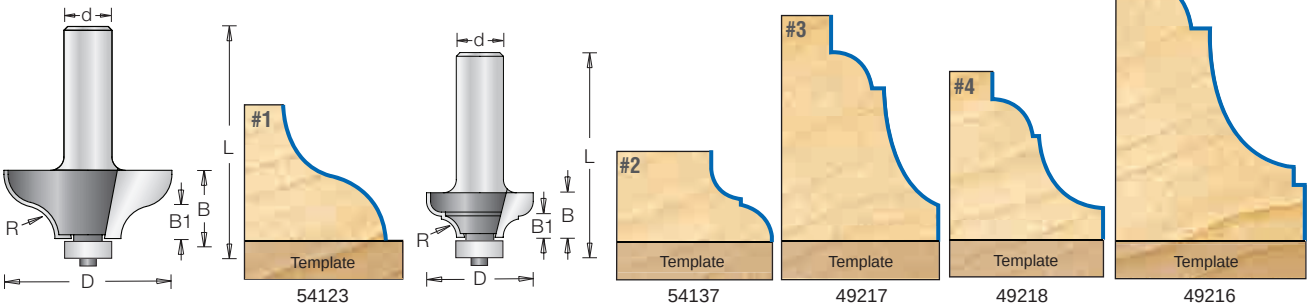


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

FURNITURE PROFILE ROUTER BITS - (Continued)

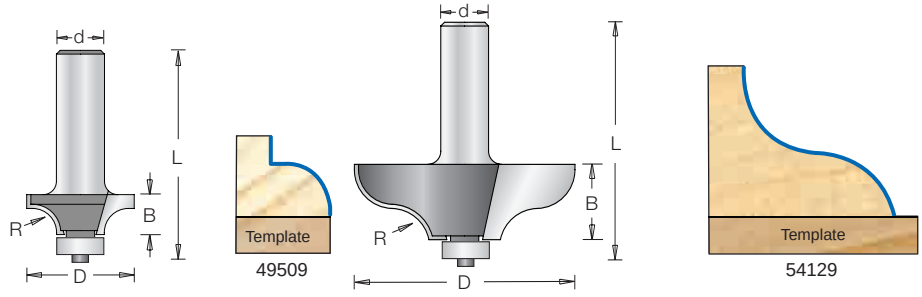
Base Molding

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



Box Lid Molding

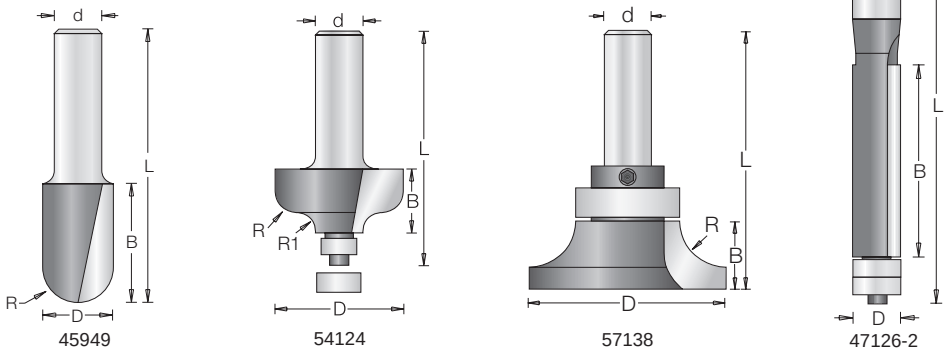
These molding are commonly used to trim the edges of blanket chest lids and other casework.



GOOSENECK MOLDING BITS by Lonnie Bird

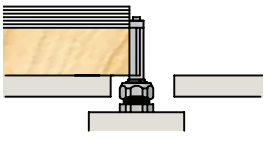
ØD	R	Tool No.	B	Ød	L
1/2	—	**47126-2	2	1/2	4-3/8
2-1/4	1-1/8	45949	1-1/4	1/2	3
1-1/8	5/32	54124	1/2	1/2	2-3/8
2-1/8	1/2	57138	3/4	1/2	3-5/16

** Denotes double ball bearing for added stability.



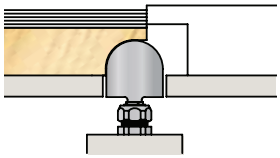
MAKE YOUR OWN DRAMATIC GOOSENECK MOLDINGS

STEP 1



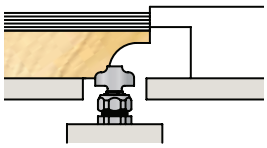
Flush trim with Amana Tool® # 47126-2

STEP 2



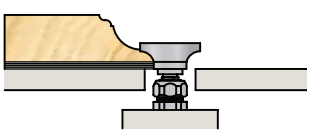
Shape cove with Amana Tool® # 45949 Use Light Cuts

STEP 3



Shape ogee with Amana Tool® # 54124

STEP 4



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

STEP 5

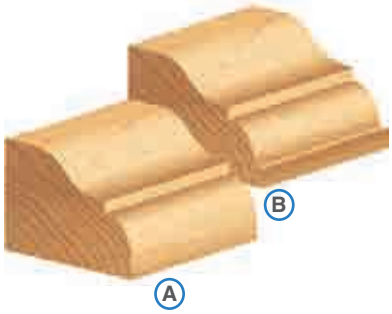
Bandsaw outside curve to complete molding

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.



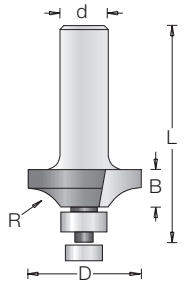
ØD	R	R1	Tool No.	B	Ød	L
1-3/16	15/32	—	**49540**	3/8	1/4	1-3/4
1-3/16	15/32	—	**49542**	3/8	1/2	2-1/4
16 2-3/4	1-3/4	—	**49550**	5/8	1/2	2-1/2
16 2-1/2	3/8	—	**49554**	3/4	1/2	2-3/4
16 2-1/2	3/8	1/4	**49556**	3/4	1/2	2-3/4
16 2-5/16	19/64	1/4	**49558**	7/8	1/2	2-3/4
16 2-9/16	11/64	1-3/32	**49560**	3/4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

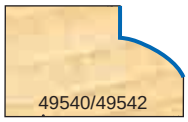
Use in a table-mounted router. Not for use in a hand held router!

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

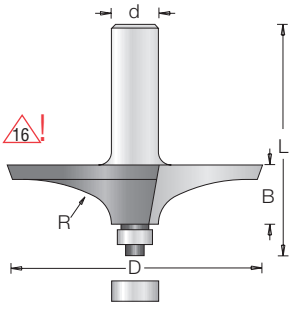
Cuts a narrow profile with an arc based on the ellipse rather than the circle. With the optional 3/8" bearing, it will produce a fillet at the cut's edge.

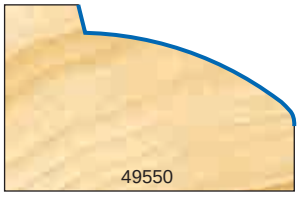




49550 TABLE EDGE

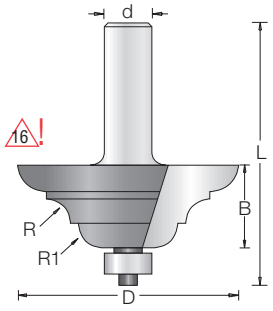
Cuts a wide profile with an arc based on the ellipse rather than the circle. With the optional 3/8" bearing, it will produce a fillet at the cut's edge. Good choice for handrails.

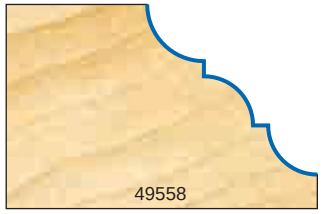




49558 DOUBLE-COVE AND BEAD

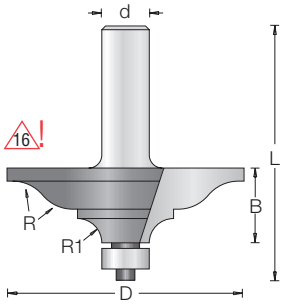
Cuts the thumbnail arc coupled with a bead around the tabletop surface. With the optional 3/8" bearing, it will produce a fillet at the cut's edge.

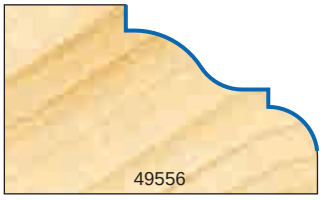




49556 OGEE-AND-BEAD

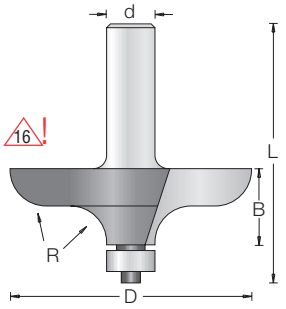
Cuts a shallow ogee into the tabletop surface coupled with a bead at the edge. Bit will produce a fillet if set to cut deep enough. With the optional 3/8" bearing, it will produce a fillet at the cut's edge. Good choice for handrails.

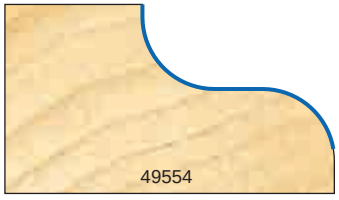




49554 OGEE

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.

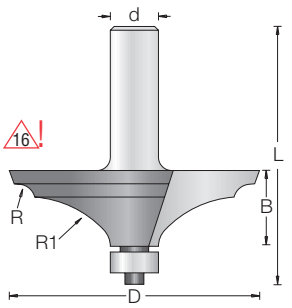


TABLE EDGES DESIGNED BY *Lonnie Bird* WITH BALL BEARING GUIDE

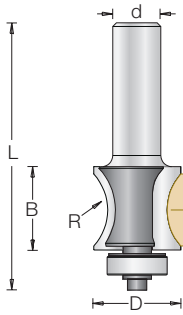
ALL THE PROFILES ARE DESIGNED FOR 3/4" THICK TOPS.

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

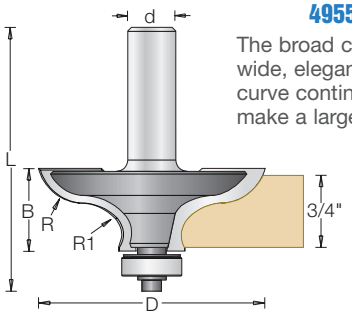
Replacement bearing #47718.

49551 - SOFT EDGE



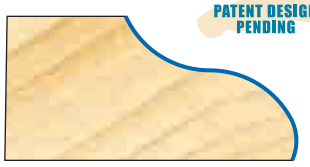
This simple profile quickly softens the table edge and makes it smooth to the touch. It fits well with a variety of table designs, from contemporary to classic. The guide bearing allows use with a pattern when shaping a scalloped edge.

49555 - REVERSE CURVE

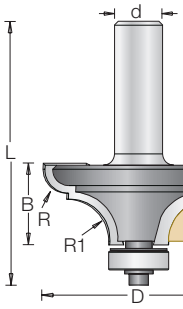


The broad curves of this ogee create a wide, elegant table edge. Notice that the curve continues under the top slightly to make a large tabletop appear thin.

PATENT DESIGN PENDING

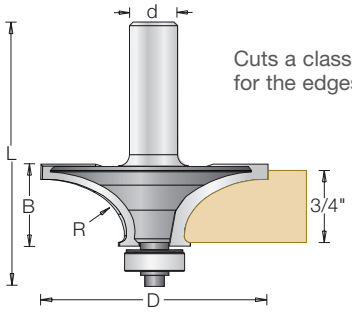


49557 - COVE & THUMBNAIL



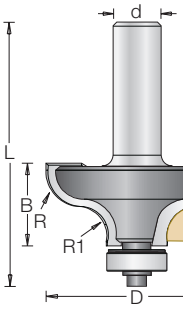
Cuts a small cove combined with a larger thumbnail. Works well when combined with a molding under the top.

49563 - THUMBNAIL

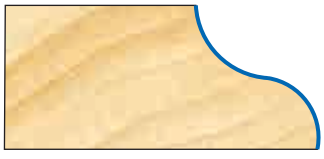


Cuts a classic thumbnail profile. It's just right for the edges of large tables and chest lids.

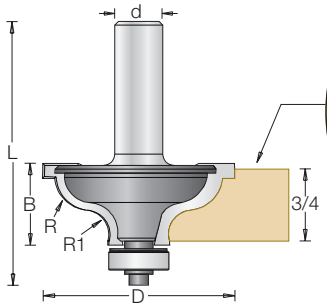
49559 - OGEE

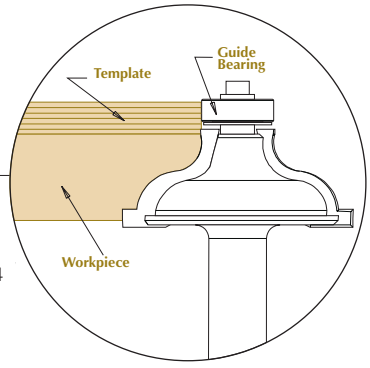


This bit cuts the classic reverse curve so popular on period furniture designs.



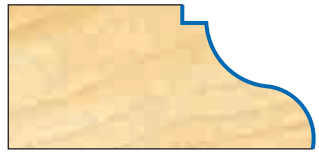
49561 - OGEE WITH STEP



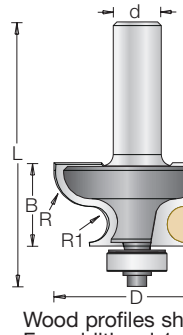


Similar to the ogee edge, this profile joins the classic ogee curve with a small "fillet" or step to add a bit more refinement.

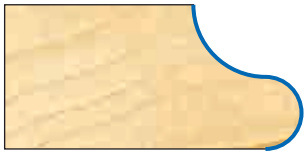
PATENT DESIGN PENDING



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.

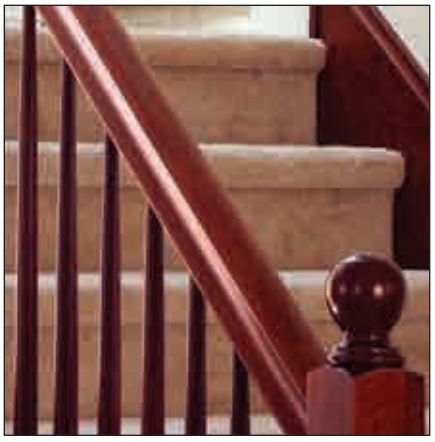


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

HANDRAIL WITH BALL BEARING GUIDE

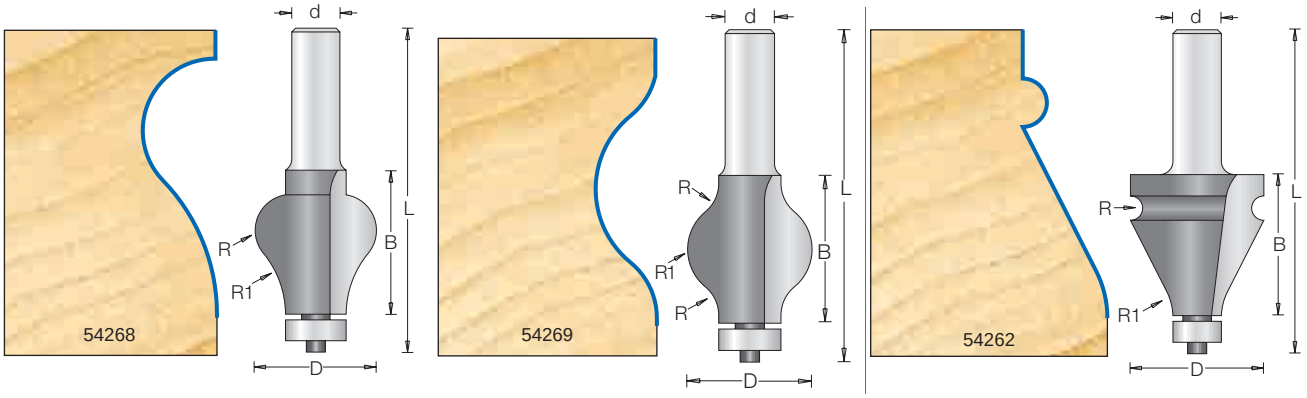
2 FLUTE

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.



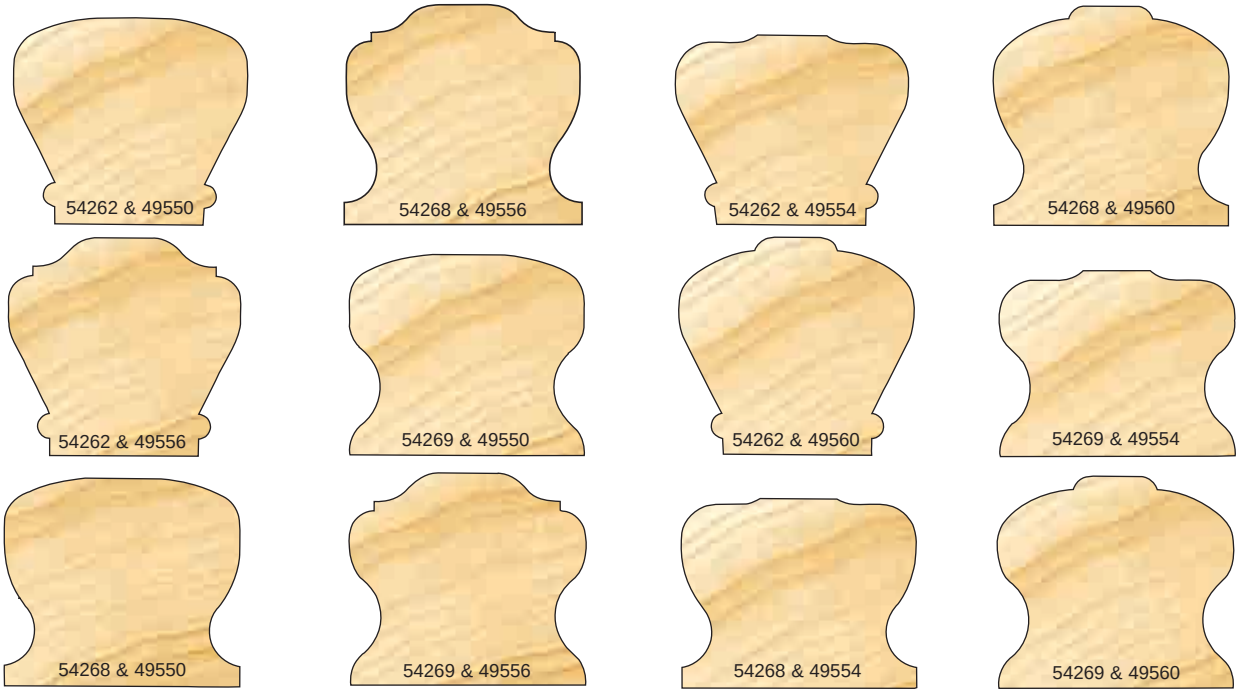
ØD	R	R1	Tool No.	B	Ød	L
1-3/8	1/8	19/32	**54262**	1-1/2	1/2	3-3/8
1-1/4	3/8	1	**54268**	1-1/2	1/2	3-3/8
1-1/4	3/8	1/2	**54269**	1-1/2	1/2	3-3/8

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



HANDRAIL PATTERNS

12 Different Patterns!



(Wood profiles not shown at actual size.)

RABBET WITH BALL BEARING GUIDE

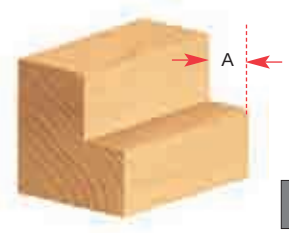
2 FLUTE

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

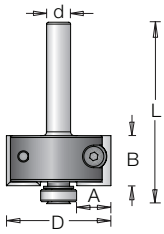
Replacement Knife #RCK-264 (2)

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

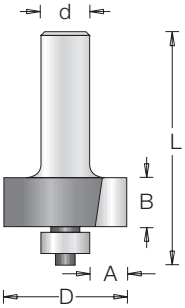
2 FLUTE

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.

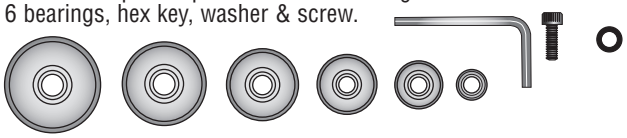
ØD	A	Tool No.	B	Ød	L
1-3/8	1/8, 1/4, 5/16, 3/8, 7/16, 1/2	**49340**	1/2	1/4	2
1-3/8	1/8, 1/4, 5/16, 3/8, 7/16, 1/2	**49350**	1/2	1/2	2-3/8

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

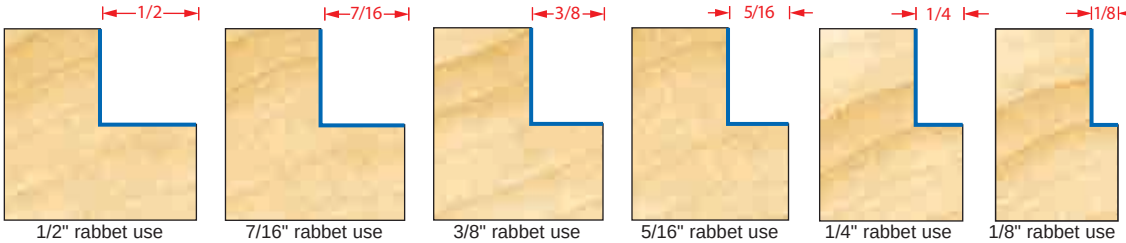


49350

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



Screw #67094. Washer #67202.



1/2" rabbet use #47702 bearing | 7/16" rabbet use #47706 bearing | 3/8" rabbet use #47718 bearing | 5/16" rabbet use #47720 bearing | 1/4" rabbet use #47719 bearing | 1/8" rabbet use #47743 bearing

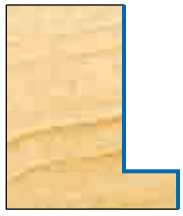
SPECIAL RABBET WITH BALL BEARING GUIDE

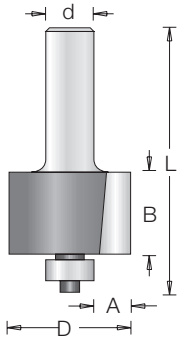
2 FLUTE DEPTH OF RABBET 9/32"

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.

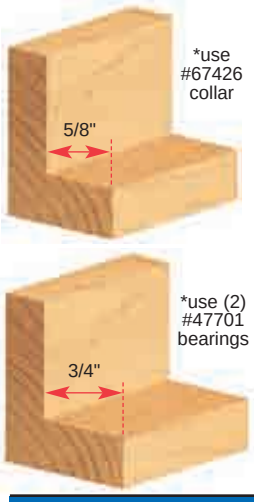


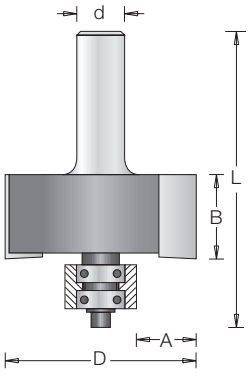


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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.





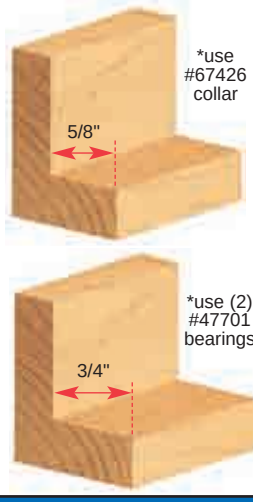
Carbide Tipped #49360

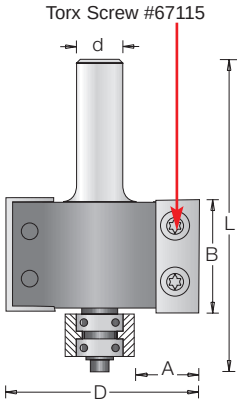
Recommended by:

WILSONART

*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:

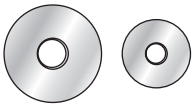
Order No.	Collar Dia.	'A' Rabbet Depth
67404	1-5/8	3/16
67410	1-3/8	5/16
67416	1-1/8	7/16
67422	7/8	9/16
67428	5/8	11/16

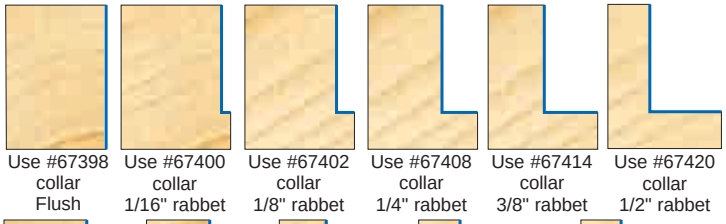
67700
5-piece collar kit for 15/64" (6mm), 23/64" (9mm), 15/32" (12mm), 19/32" (15mm) & 23/32" (18mm) rabbet depths includes the following:

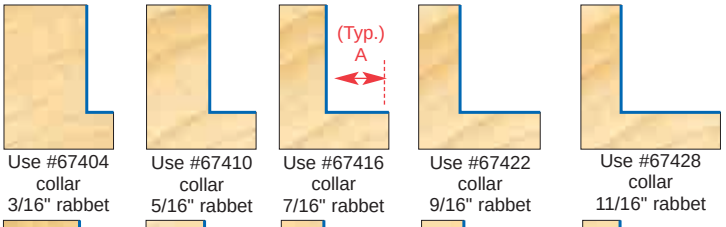
Order No.	Collar Dia.	'A' Rabbet Depth
67406	1-17/32	15/64 (6mm)
67412	1-9/32	23/64 (9mm)
67418	1-1/16	15/32 (12mm)
67424	13/16	19/32 (15mm)
67430	9/16	23/32 (18mm)

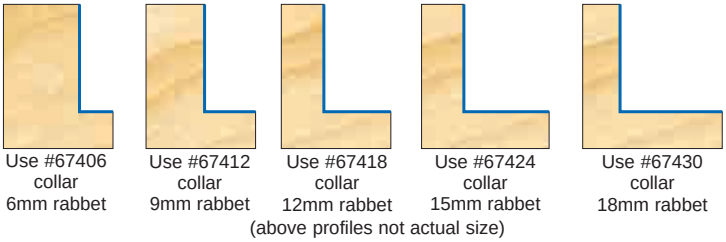
67800
21-piece Collar Kit including 16 individual collars shown above, 2 extra #47701 bearings, #67206 spacer, #5000 allen key and #67094 allen screw.

18 different depths with 1 tool!









(above profiles not actual size)

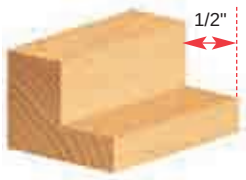
NOTE: 5/8" and 3/4" depth is standard with #49360 & RC-49360.

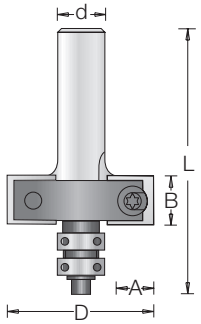
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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

*Using optional collars below. Standard depth=1/2"

Torx Key #5005. Torx Screw #67115.

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

*AMA-12

*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:

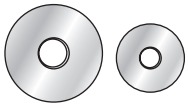
Order No.	Collar ØDia.	'A' Rabbet Depth
67420	1	1/4
67422	7/8	5/16
67424	13/16	11/32
67426	3/4	3/8
67428	5/8	7/16
67430	9/16	15/32

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.



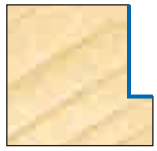
COLLAR KITS

Torx Key #5005. Torx Screw #67115.


Use #67408 collar flush

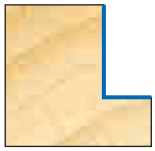

Use #67410 collar 1/16" rabbet

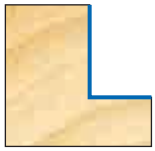

Use #67412 collar 7/64" rabbet

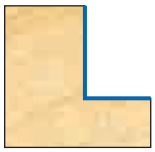

Use #67414 collar 1/8" rabbet

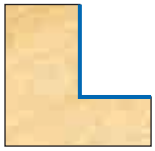

Use #67416 collar 3/16" rabbet

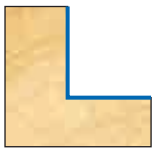

Use #67418 collar 7/32" rabbet

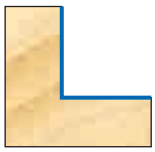

Use #67420 collar 1/4" rabbet


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.

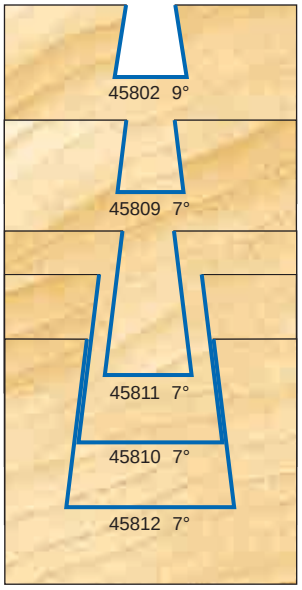
The dovetail joint is the strongest construction method for drawers, boxes, chests and fine casework.

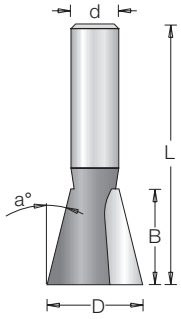
DOVETAIL

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°

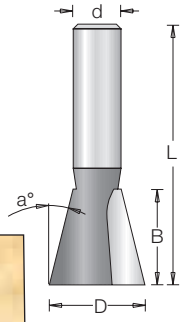
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.

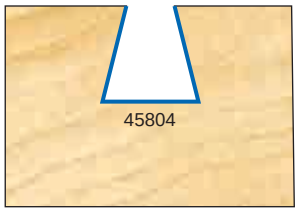
DOVETAIL

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™

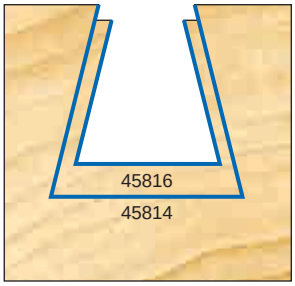




14° ANGLE

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

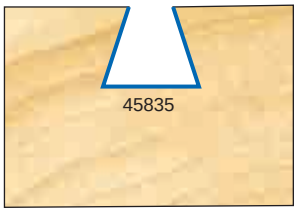
ØD	B	Ød	Tool No.	L	Application
1/2	1/2	1/4	**45804**	1-3/4	—
1/2	1/2	1/4	**45832**	2	Incra™/Omnijig 43705
1/2	1/2	1/4	**45833**	2-3/8	Leigh #120
1/2	.532	1/2	**45806**	2-1/2	Incra™/Omnijig 43750
17/32	1/2	1/4	**45834**	2	Incra™
3/4	3/4	1/2	**45816**	3	Omnijig 43774
7/8	7/8	1/2	**45818**	2-5/8	—
1	1	1/2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

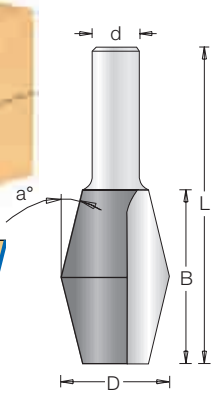
2 FLUTE

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

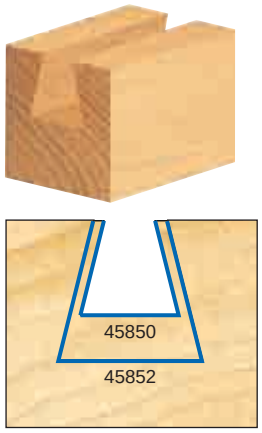
Use in a table-mounted router. Not for use in a handheld router!

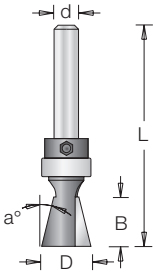


DOVETAIL WITH UPPER BALL BEARINGS

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.





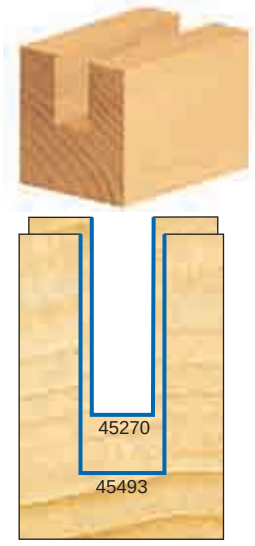
	ØD	a°	B	Tool No.	Ød	L	Type
	1/2	14°	1/2	**45850**	1/4	2-1/4	Dovetail
New	3/4	14°	3/4	**†45852**	1/2	3	Dovetail

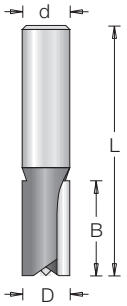
†For pattern cutting or jigs.

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

LEIGH JIG STRAIGHT BITS

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



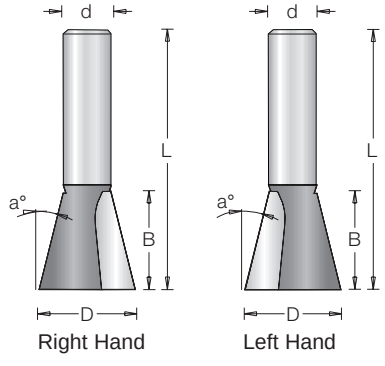


ØD	B	Ød	Tool No.	L	Application
5/16	1.03	1/4	**45270**	2-1/4	Leigh #140
7/16	1-1/4	1/2	**45493**	2-3/8	Leigh #150
1/2	1-1/4	1/2	**45494**	2-3/4	Leigh #160

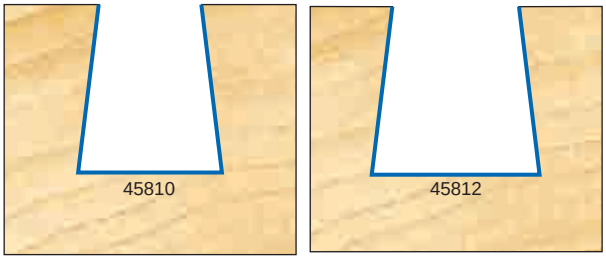
7° STAIRTREAD

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

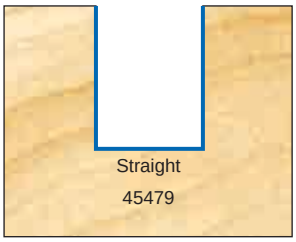


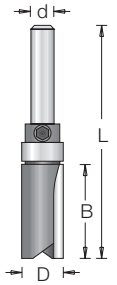
KELLER DOVETAIL SYSTEM

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

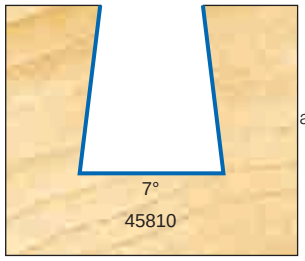
ØD	B	Tool No.	Keller No.	Ød	L
⚠18! .615	1/2	**45469**	1641	1/4	2-1/4
⚠16! .615	3/4	**45470**	1643/2443	1/4	2-5/8
.615	1	**45471**	2445/3645	3/8	2-5/8
.615	1/2	**45476**	1641	1/4	2-1/4
.615	3/4	**45478**	1643/2443	1/4	2-1/2
9/16	3/4	**45479**	3032	1/4	2-1/4

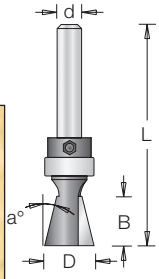




7° DOVETAIL BIT SYSTEM W/UPPER BALL BEARING

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

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

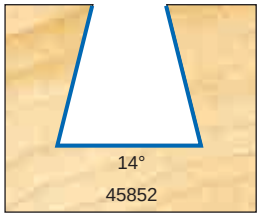
14° DOVETAIL - LARGE BIT SET W/UPPER BALL BEARING

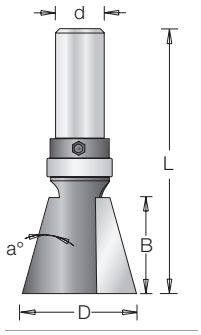
ØD	B	Ød	Tool No.	Keller No.	L	Bearing	Type
1-1/8	1-1/4	1/2	**45892**	3639	3-1/8	47738	Dovetail
7/8	1-1/4	3/8	**45473**	3649	2-7/8	47741	Straight

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

Replacement bearing for #45471 is #46641.

Replacement bearing for #45884 is #47741.





⚠! **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

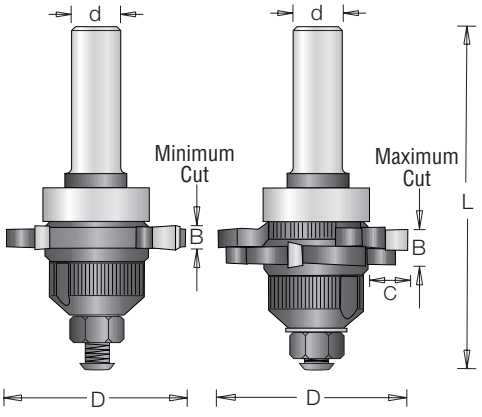
Finally, a slot cutter with nothing to lose. No shims, no spacers.
Quick & Easy Setup - Nothing to take apart, just dial it, lock it, cut it.
Simply adjust the dial in 0.004" increments.
Easily makes perfect grooves for today's undersized plywood.
Perfect for edge ("T") molding installation.
Available 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!

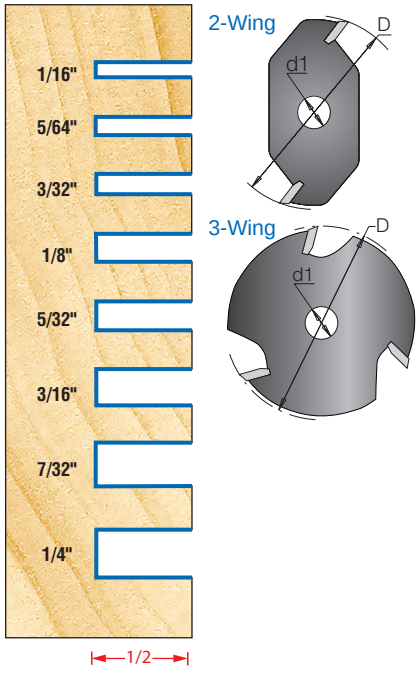


ØD	B	Tool No.	C	Ød	L
2-1/8	1/8-1/4	55500	1/2	1/2	3-3/4
2-1/8	1/4-1/2	55510	1/2	1/2	3-3/4

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.



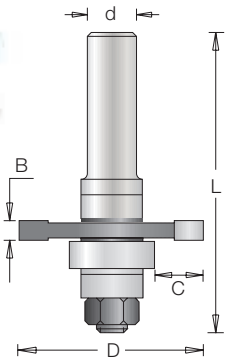
ØD	2 Wing Tool No.	3 Wing Tool No.	B Kerf	Ød1 Bore
1-7/8	53100	53200	1/16	5/16
1-7/8	53102	53202	5/64	5/16
1-7/8	53104	53204	3/32	5/16
1-7/8	53106	53206	1/8	5/16
1-7/8	*53107	*53207	5/32	5/16
1-7/8	53108	53208	3/16	5/16
1-7/8	53109	53209	7/32	5/16
1-7/8	53110	53210	1/4	5/16

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

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***

SLOTTING CUTTER ASSEMBLIES

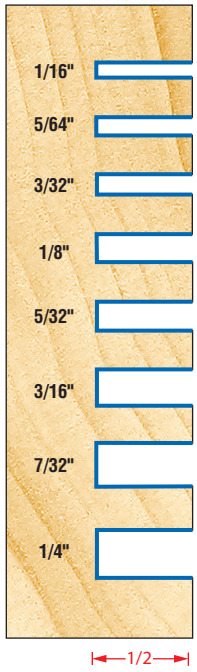
Groove edges for T-moldings, splines or biscuits, and other purposes. Rout tongue-and-groove joinery. Slotting cutters are available with either 2-wing or 3-wing cutters. Each assembly includes a cutter, bearing for a 1/2" deep cut, and either a 1/4"-, 3/8"-, or 1/2"-shank arbor. Use with all handheld 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



Replacement Bearing 47708

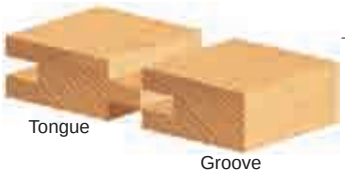
NOTE: All above assemblies include cutter, arbor and ball bearing.
Also available with 3/8" shank by adding '-2' to part #. (example: #53400-2).
*5/32" size also used for 'biscuit-joint' cutting.
See page 80 for *'Vari-Depth'™*** bearings (1/4" and 3/8" depth).

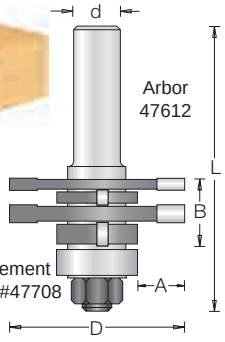
Replacement Arbors:
1/4" shank - 47600
3/8" shank - 47602
1/2" shank - 47604

'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!



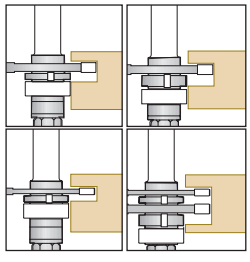


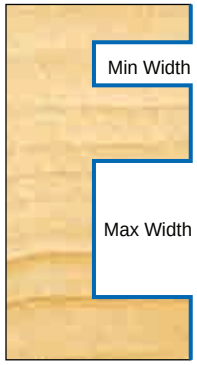
ØD	A	B-Kerf	Tool No.	Ød1	Ød	L
1-7/8	1/2	1/8-*23/32	53600 ♦	5/16	1/2	3
Extra 5/32 two-wing cutter only.			53107			

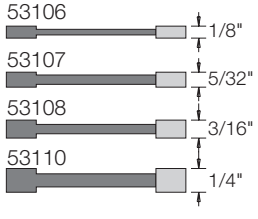
*A full 3/4" cut can be achieved using one additional #53107 cutter (available separately).

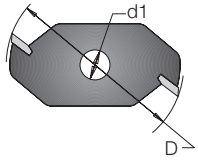
Individual Cutters
1/4", 3/16", 5/32", 1/8"

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





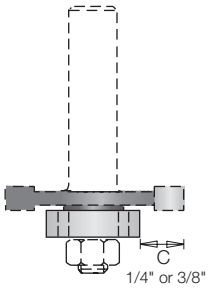




Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

SLOT CUTTER 'VARI-DEPTH'™ BEARINGS

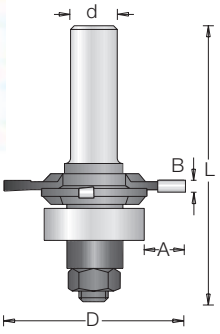
All standard Amana Tool® slotting assemblies (including new Quadraset™, Duo-Set™, and box joint) make a 1/2" deep cut. Reduce the cut depth to either 1/4" or 3/8" with Vari-Depth™ precision ball bearings fitted with non-marring Delrin® sleeves.



'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

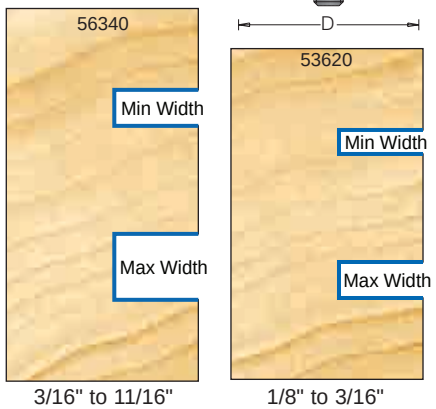
The Duo-Set™ bit has a pair of slotting cutters that can be shimmed apart to vary the width of cut. Available in two size ranges, 1/8" to 3/16" and 3/16" to 11/32". To vary the cut depth, see Vari-Depth™ bearings listed on previous page.



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!

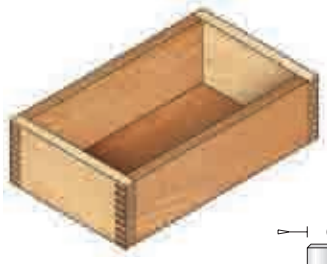


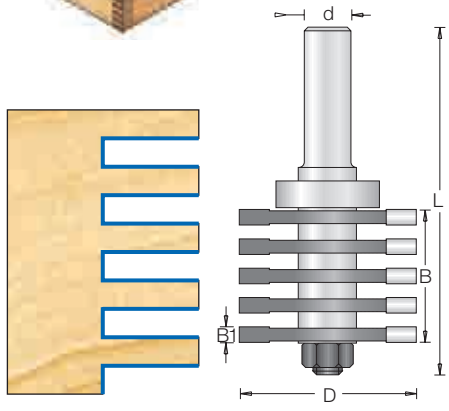
3/16" to 11/16" | 1/8" to 3/16"

'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

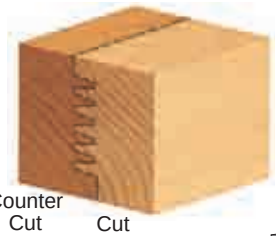
Use in a table-mounted router. Not for use in a handheld router!

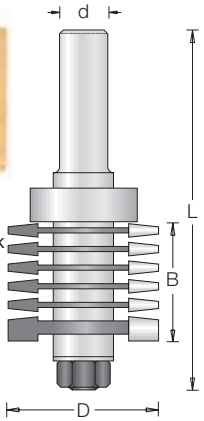
Individual Components: Order #	Description
53207	5/32" 3-wing cutters (5 required)
47620	1/2" shank arbor with nut
47708	Steel ball bearing guide (1/2" depth of cut)
55369	5.5mm spacers (4 required)
55402	1.0mm spacers (2 required)
55404	.5mm shim (1 required)

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.





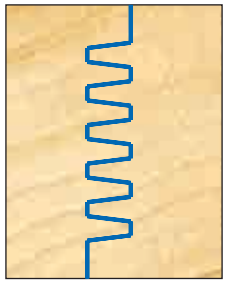
ØD	B	Tool No.	Ød	L
1-9/16	1-3/8	55392	1/2	3-3/4

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

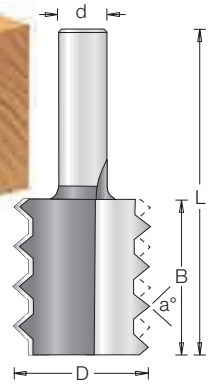
Individual Components:	
Order #	Description
55367	3.4mm Spacer (7 required)
55368	6.0mm Spacer (1 required)
55357	0.1mm Shim (10 required)
55404	0.5mm Shim (1 required)
55402	1.0mm Washer (2 required)



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.

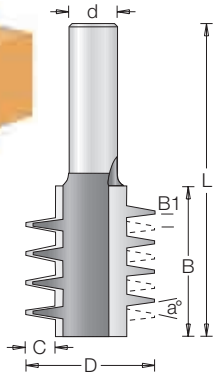


ØD	B	Tool No.	a°	Ød	L
1-3/8	1-37/64	45790	80°	1/2	3-1/16

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.

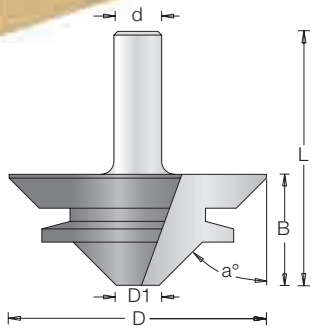


ØD	B	B1	Tool No.	a°	C	Ød	L
1-3/8	1-9/16	21/64	45796	14°	5/16	1/2	3

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	D1	B	a°	Tool No.	Ød	L	Material Size
1-1/2	12.1mm	1/2	45°	**55393**	1/4	1-5/8	5/16-7/16
1-5/8	13.2mm	5/8	45°	**55391**	1/4	1-3/4	3/8-1/2
1-3/4	6.4mm	7/8	45°	**55389**	1/2	2-1/8	3/8-3/4
2-11/16	9.2mm	1-3/16	45°	**55390**	1/2	2-5/8	1/2-1-1/8

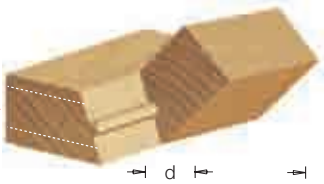
Use in a table-mounted router. Not for use in a hand held router!

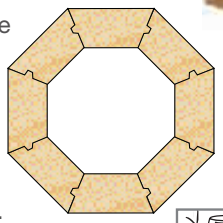
⚠ **WARNING:** Maximum RPM 18 = 18,000

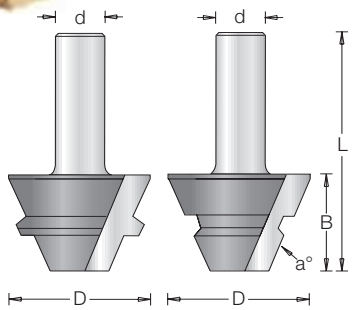
Each 45° Lock Miter Cutter includes
FULL COLOR INSTRUCTION MANUAL
LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

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.







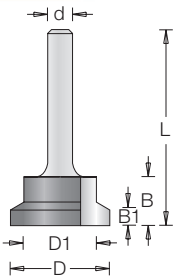
ØD	B	Tool No.	a°	Ød	L
1-15/32	7/8	**55395**	22.5°	1/2	2-1/2

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

DRAWER LOCK

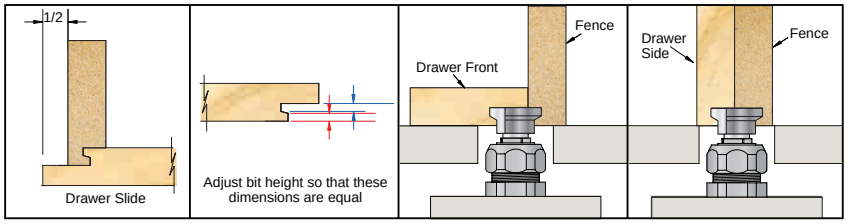
2 FLUTE

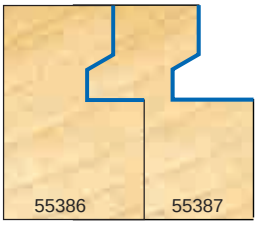
With this one bit, cut a lock joint that's ideal for quick construction of strong drawer boxes. Use in a table-mounted router only. The same bit setting is used for both halves of the joint; adjust the fence position slightly to switch between sides and fronts/backs. The drawer front (or back) is laid 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 hand held router!





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

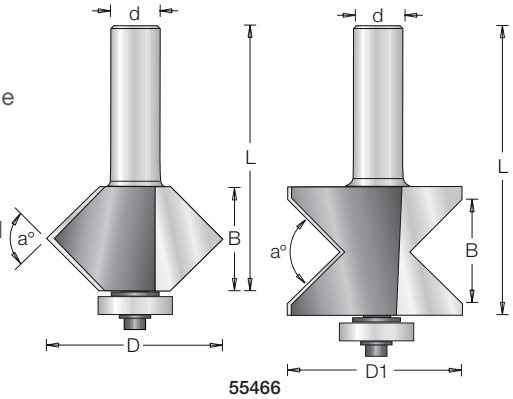
2 PIECE EDGE BANDING BIT SETS

New

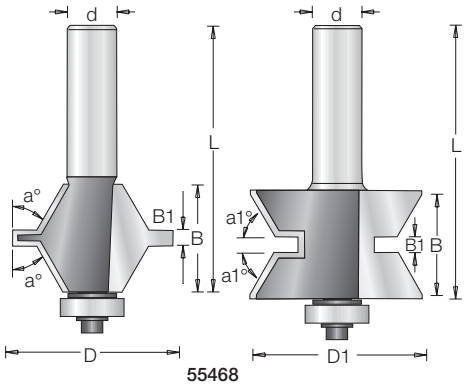
This two-piece bit set provides an economical way to create your own edge banding from the wood of your choice. This is a great way to create a finished edge on plywood or MDF panels and shelves which blends perfectly with the rest of your project.

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.



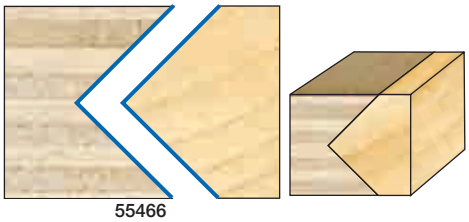
55466



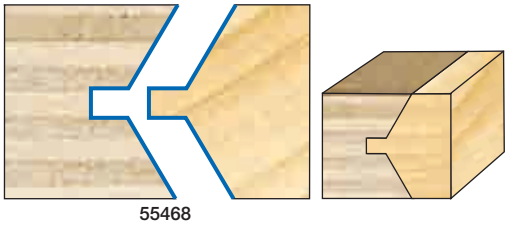
55468

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

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



55466

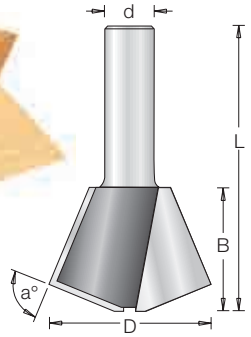


55468

MULTI-SIDED GLUE JOINT BITS

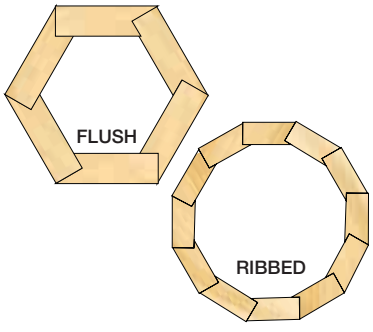
New

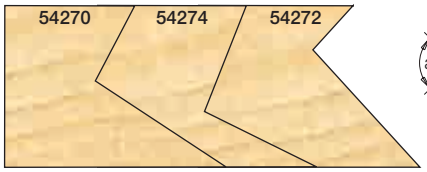
If you're looking for a better way to construct multi-sided boxes, planters, and columns, then look no further. With these bits, there's no need for complex miters and time-consuming set-ups. Instead, simply choose the bit based upon the number of sides on the box, rout the joint, and assemble. Unlike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



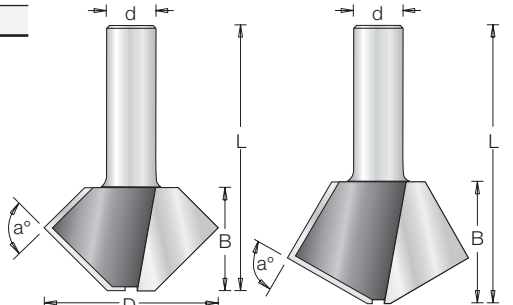
54270

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



54272 54274

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

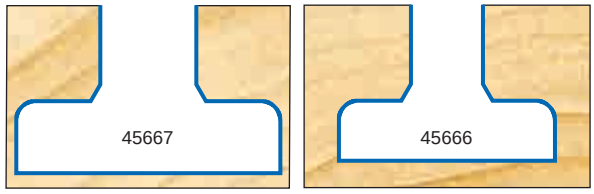
2 FLUTE

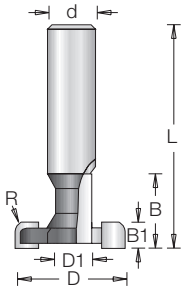
Designed for creating T-slot wall panels (used to cut their characteristic slots for many purposes) and radiused edges on the T-slots (allow easier adjustment of fixtures on the completed wall panels). Bits are not designed for plunging operations. For best results use in CNC and table-mounted routers.

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

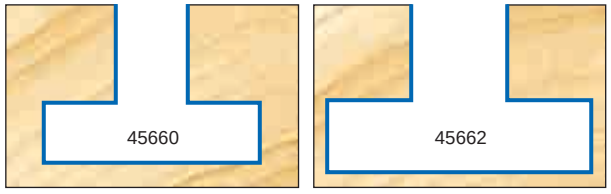
Use in a table-mounted router. Not for use in a handheld router!

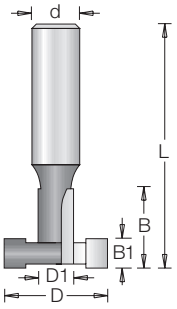
NOTE: These tools are designed for 'groove-forming' T-slot wall panels. They are not designed for plunging operations.





45666



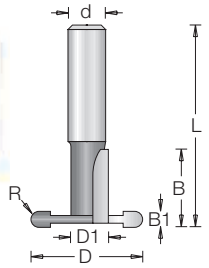


45660

SPECIAL AMEROCK® HINGE

2 FLUTE

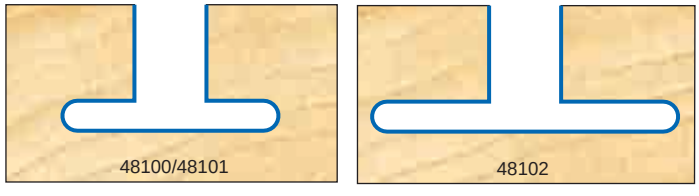
This bit is designed to produce a T-slot for Amerock® hinges. For best results use in a table-mounted router.



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!

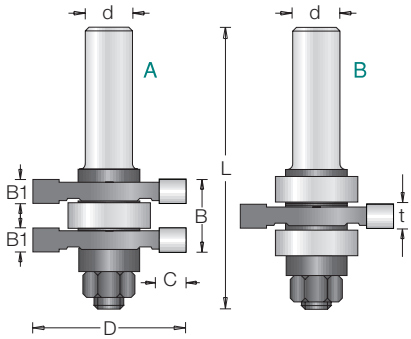


TONGUE & GROOVE ASSEMBLY WITH BALL BEARING GUIDE

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

2-WING

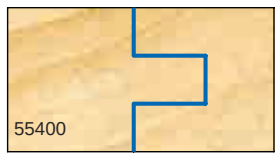
Cut perfectly fitted tongue-and-groove joints on stock between 1/2" and 1-1/8" thick with a table-mounted router and this assembly. The tool consists of an arbor with an integral shank, two identical, removable slotting cutters, and a pair of bearings. To cut tongues, sandwich one bearing between the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

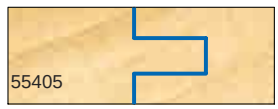


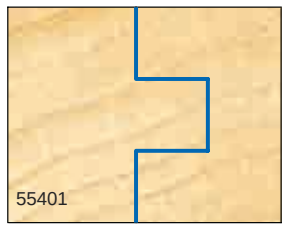
	ØD	B	B1	C	Tool No.	Ød	t	L
New	1-5/8	17/32	13/64	3/8	†55408	1/2	1/8	3
New	1-5/8	1/2	1/4	3/8	†55405	1/2	3/16	3
	1-5/8	3/4	1/4	3/8	+55400	1/2	1/4	3
New	1-7/8	3/4	1/4	1/2	†55407	1/2	1/4	3
	1-5/8	1-1/8	3/8	3/8	•55401	1/2	3/8	3-3/8

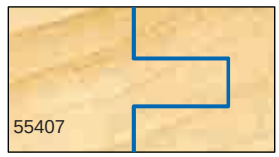
† 2 Piece set.
+ Can be used on 1/2" through 3/4" thick material.
• Can be used on 3/4" through 1-1/8" thick material.
Tongue is cut as shown in assembly 'A'. For groove cut, reassemble the tool as shown in 'B'. Instructions included.

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







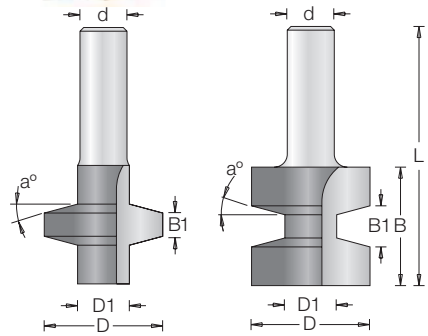


Replacement Parts Order #	Description
55354	1/4" Kerf cutters (2 required) for Tool #55400
55353	3/8" Kerf cutters (2 required) for Tool #55401
47612	1/2" Shank arbor with nut for Tool #55400
47613	1/2" Shank arbor with nut for Tool #55401
47708	Ball bearing guide (2 required)
55356	.05mm Shims (3 required)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

WEDGE TONGUE & GROOVE

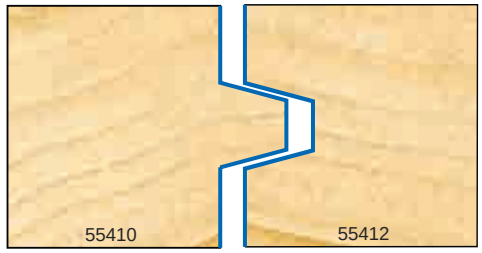
2 FLUTE

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!

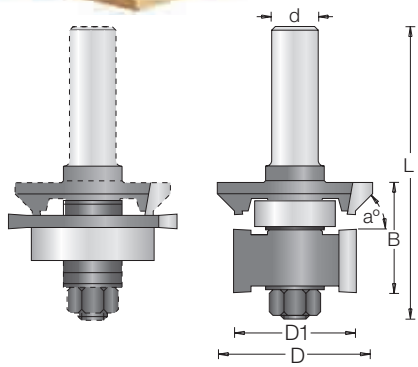


BEAD AND 'V' PANELING ASSEMBLY WITH BALL BEARING GUIDE

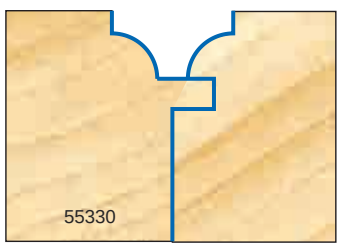
2-WING

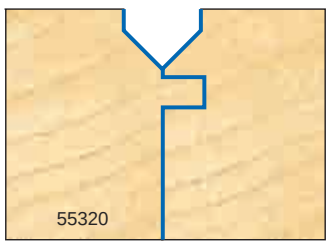
These assemblies are designed to cut tongue & groove joinery for solid wood paneling. Two patterns, a 1/4" bead (#55330) or a 45° 'V' (#55320), are available individually or as a set. Each assembly comprises a profile cutter, a rabbet cutter and a groove cutter, two different-size bearings, a 1/2" shank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

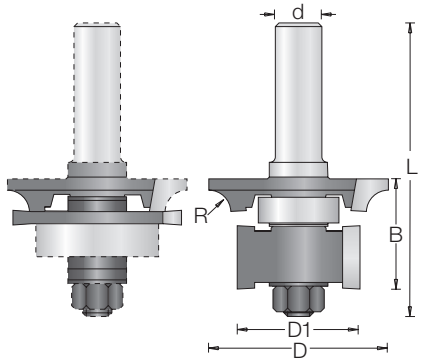
Use in a table-mounted router. Not for use in a handheld router!



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**				



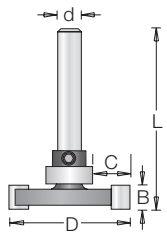




FLOORING FOR "UNDERCUTTING"

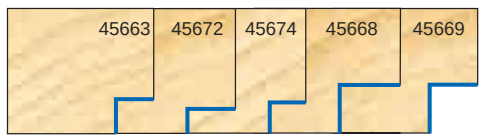
2 FLUTE • STRAIGHT DEDICATED CUTTER W/CHANGEABLE BEARINGS

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



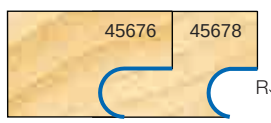
45668

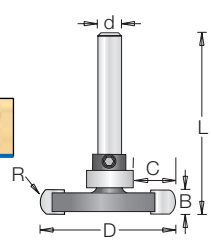
ØD	C	B	Tool No.	Ød	L	Replacement Bearing	Replacement Collar
.894	5.0mm	4.5mm	**45663**	1/4	2-1/4	47701	47724
1-1/4	3/8	1/4	**45668**	1/4	1-7/8	47701	47724
1-1/4	1/4	1/4	**45669**	1/4	1-7/8	47714	47724
1-1/8	1/4	1/8	**45672**	1/4	1-7/8	47712	47724
1-1/4	3/16	5/32	**45674**	1/4	1-7/8	47708	47724



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

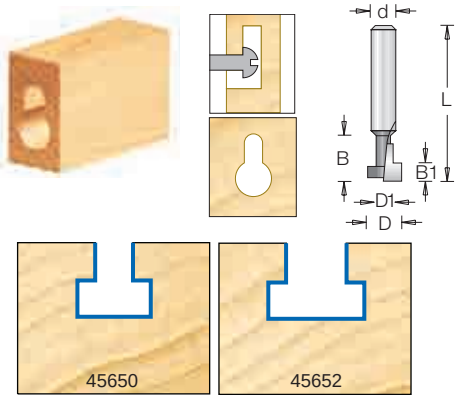
Note: See page 22 for upper bearing bits used in flooring industry.
For medallion inserts (#45481, 45460-S, 45462-S, 45464-S).

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



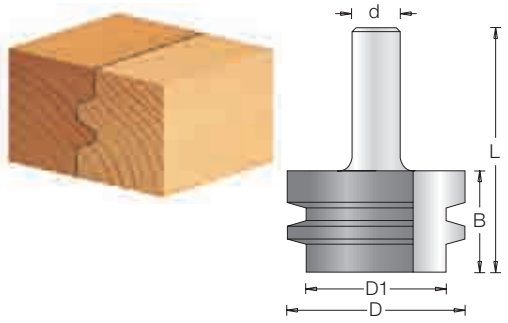
GLUE JOINT

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



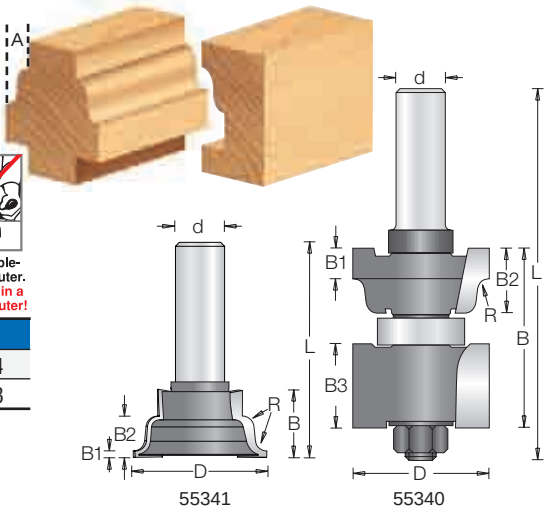
OGEE WINDOW SASH & RAIL

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**	1/16	27/64	—	1/2	2-1/8



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

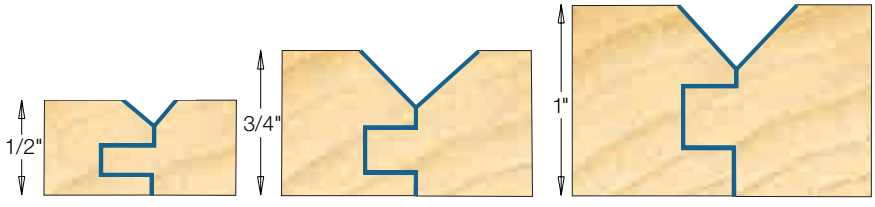
ADJUSTABLE 'V' PANEL SET

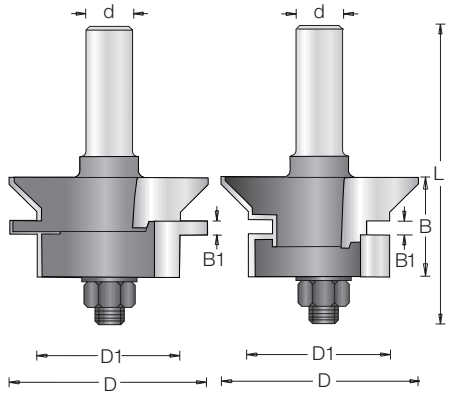
2-WING

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



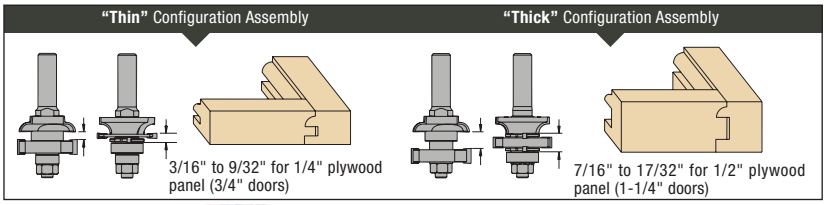


Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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).

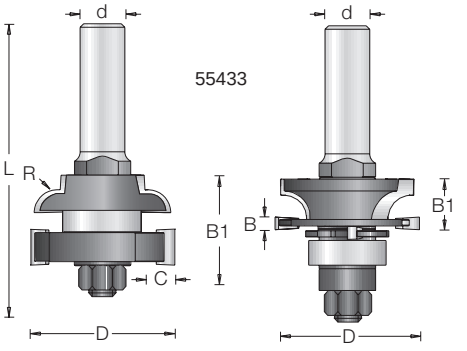
Each Instile & Rail System™ includes
FULL COLOR INSTRUCTION MANUAL
LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

MISSION STYLE

FLAT PANEL CABINET DOOR MAKING ROUTER BIT SET

PATENT PENDING

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



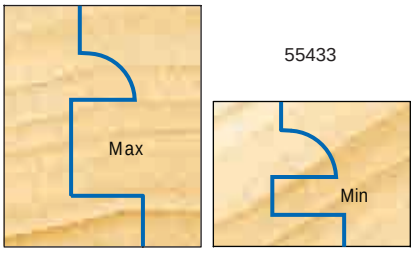
5/8" - 1-1/4" MATERIAL

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.

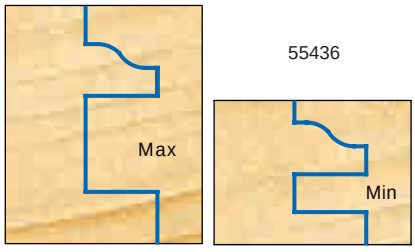
	ØD	R	a°	B	B1	Tool No.	C	Ød	L	Type
	1-5/8	5/32	—	11/16	5/8 - 1-1/4	**55433**	3/8	1/2	3-11/32	Concave
	1-5/8	1/4	—	11/16	5/8 - 1-1/4	**55436**	3/8	1/2	3-11/32	Ogee
	1-5/8	3/16	—	11/16	5/8 - 1-1/4	**55437**	3/8	1/2	3-11/32	Bead
New	1-5/8	—	—	11/16	5/8 - 1-1/4	**55438**	3/8	1/2	3-11/32	Mission - Straight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

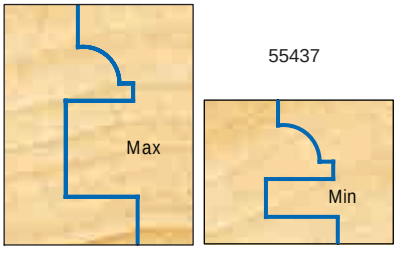
Concave / Convex



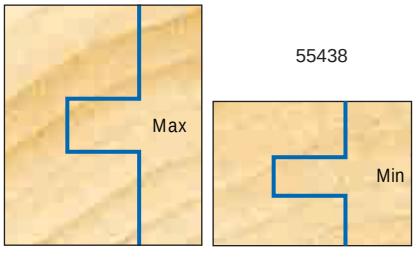
Ogee



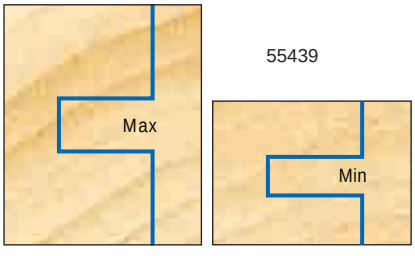
Bead



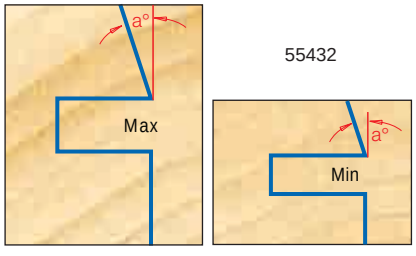
Mission (Arts & Crafts)



Mission (Arts & Crafts)



Straight with Bevel (Shaker)



2-PIECE STILE & RAIL SETS WITH BALL BEARING GUIDE

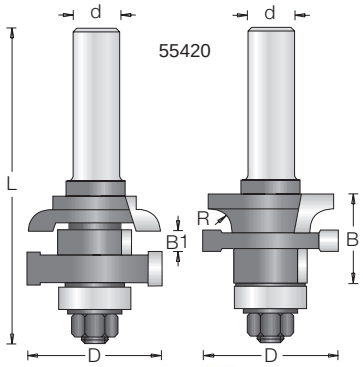
2-WING

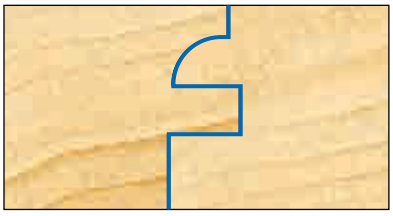
Our stile and rail sets give you two complete bits, one for doing the rail cuts, one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications. These sets are offered in two configurations, one for working material up to 1" thick, 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

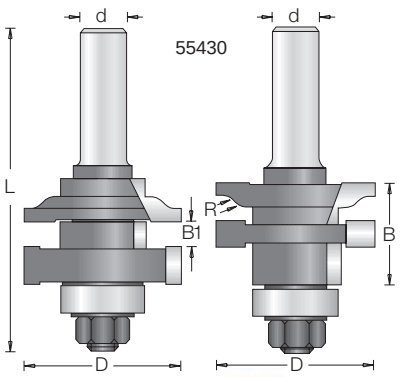
In addition to the components provided with sets of the first type, these sets include two trim cutters for stock 7/8" through 1" in thickness. (These trim cutters can be removed for making bearing-guided cuts on stock under 7/8" thick.) Use in a table-mounted router. Guide straight cuts with the fence,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

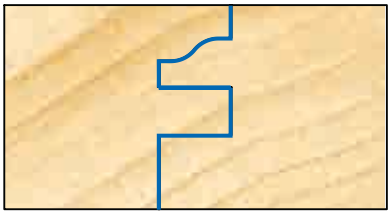
CONCAVE/CONVEX



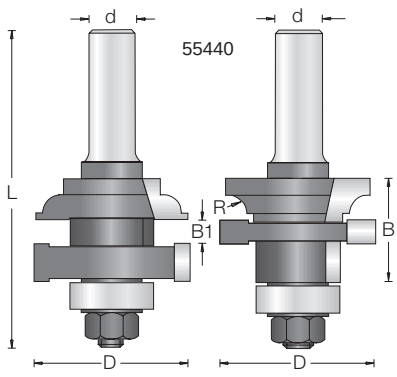


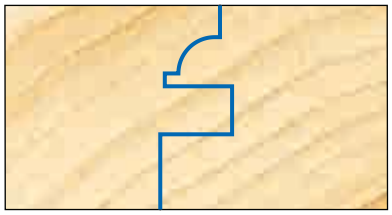
OGEE





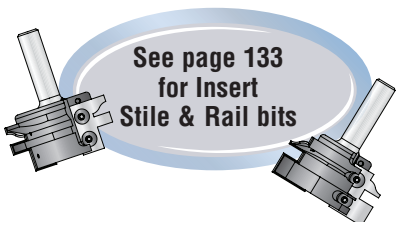
BEAD





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

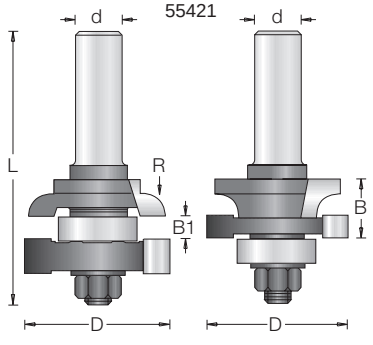
2-WING

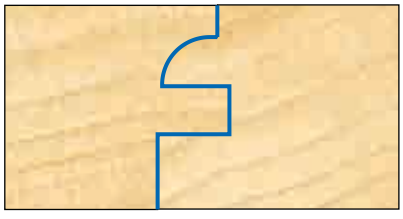
Our stile and rail sets give you two complete bits, one for doing the rail cuts, one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications. The same three profiles are available in either configuration.

3/4" MATERIAL

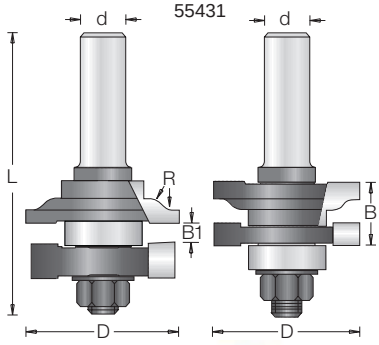
Bits in this set have profile and groove or rabbet cutters and ball-bearing guide mounted on a 1/2" shank. Respacing of the components should only be necessary – using the provided shims – after the cutters have been resharpened. Use in a table-mounted router. Guide straight cuts with the fence; use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

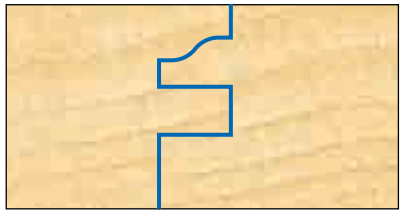
CONCAVE/CONVEX
55421



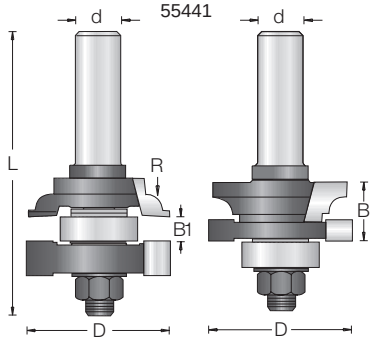


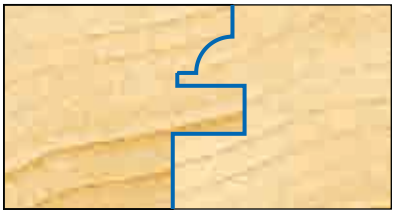
OGEE
55431





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

See page 133 for insert stile & rail router bits

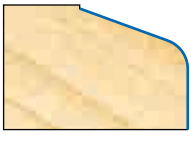
Use in a table-mounted router. Not for use in a hand held router!

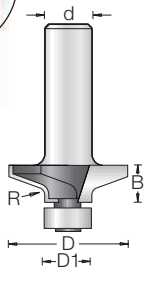
Complete listing of replacement parts can be found online at www.amanatool.com.

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.

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®

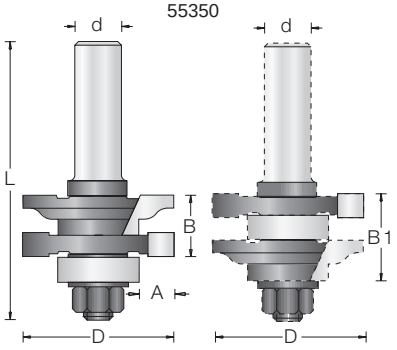
REVERSIBLE STILE & RAIL ASSEMBLIES WITH BALL BEARING GUIDE

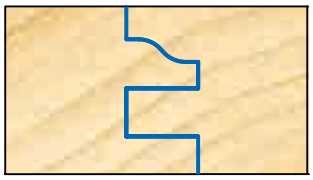
2-WING

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.

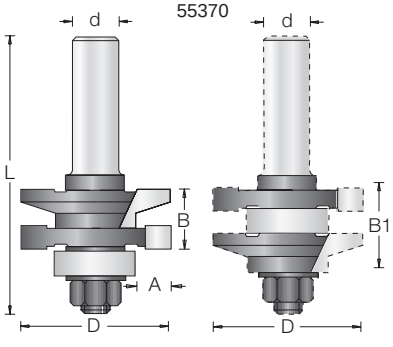
3/4" MATERIAL

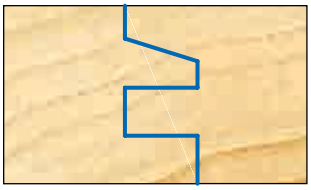
OGEE
55350



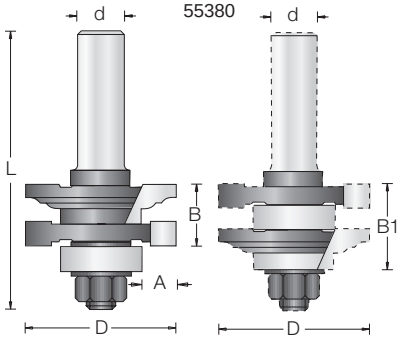


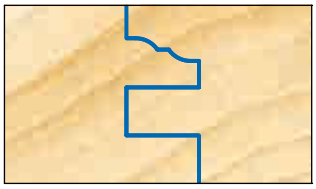
TRADITIONAL
55370





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.

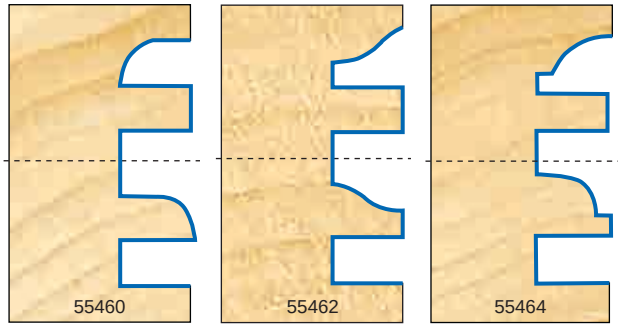
ONE PIECE STILE & RAIL

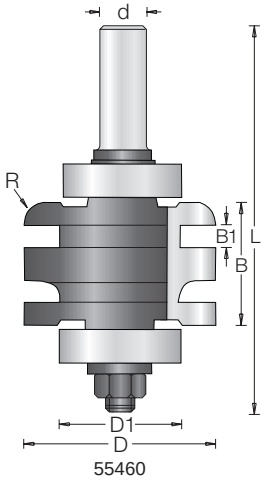
These one piece stile & rail bits are an easy and effective technique for creating cabinet door frames. You simply adjust the height of the bit accordingly in the router table to cut the profile cut (with bit lowered in the table) and the cope cut (with bit raised in the table).

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

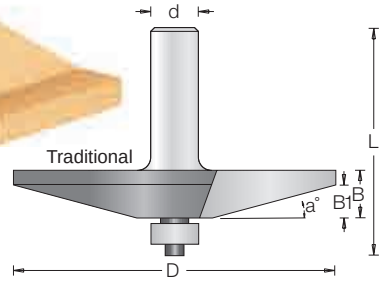




RAISED PANEL WITH BALL BEARING GUIDE

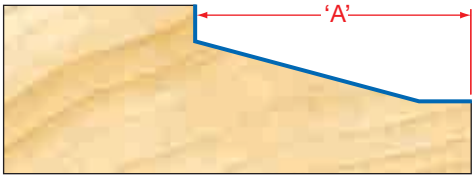
2 FLUTE

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

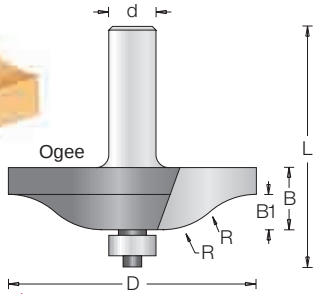
Replacement bearing #47706.



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

RAISED PANEL WITH BALL BEARING GUIDE

2 FLUTE

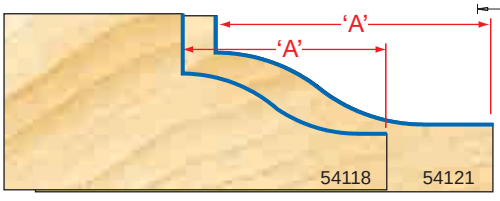


	ØD	*'A' Reveal	R	Tool No.	B	B1	Ød	L
20	2-5/8	*1-1/16	3/4	**54118**	5/8	5/16	1/2	2-1/2
14	3-3/8	*1-7/16	7/8	**54121**	9/16	3/8	1/2	2-1/2

Replacement bearing #47706.

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

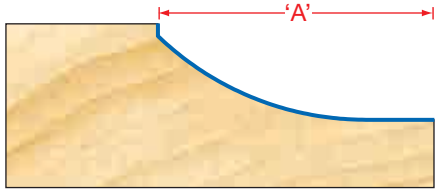
⚠ **WARNING:** Maximum RPM 14 = 14,000, Maximum RPM 20 = 20,000.

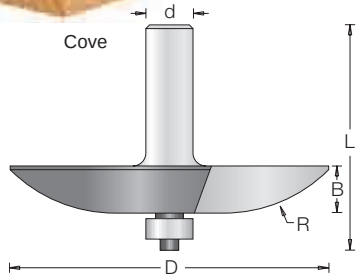
RAISED PANEL

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 handheld router!



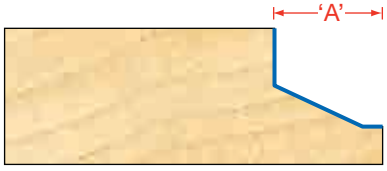


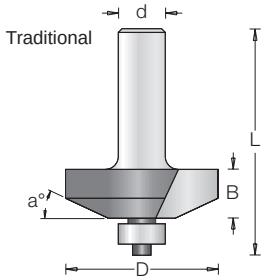
2 FLUTE WITH BALL BEARING GUIDE

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 handheld router!

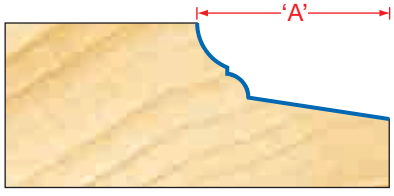


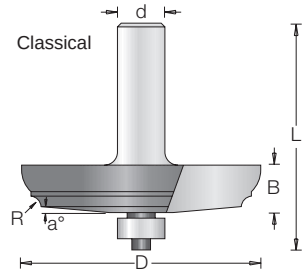


ØD	*'A' Reveal	a°	Tool No.	R	B	Ød	L
2-1/2	*1	5°	**54115**	1/8	1/2	1/2	2-3/8

Replacement bearing #47706.

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

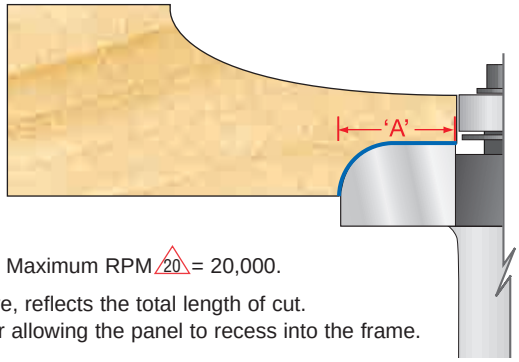
New

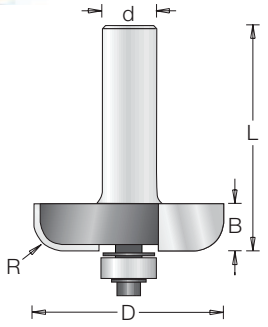
Designed to cut back side of raised panels for a flush alignment with door frames. This cutter can be used with any of our raised panel router bits found on pages 90, 91 and 93.

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 handheld 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***

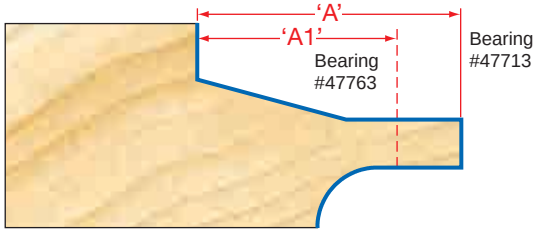
RAISED PANEL WITH BACK CUTTER

2 FLUTE WITH BALL BEARING GUIDE

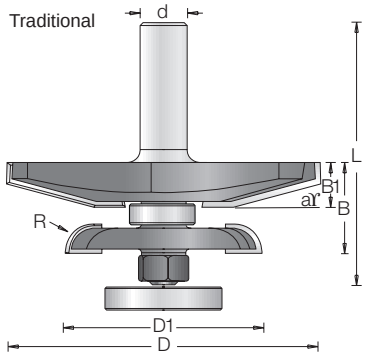
Raised panels fit standard panel grooves, even when the panel thickness exceeds 5/8". As the main cutter raises the front of the panel, the back cutter mills the back to produce a standard-thickness tongue around the panel. Each tool is supplied with two different guide bearings, enabling you to stage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

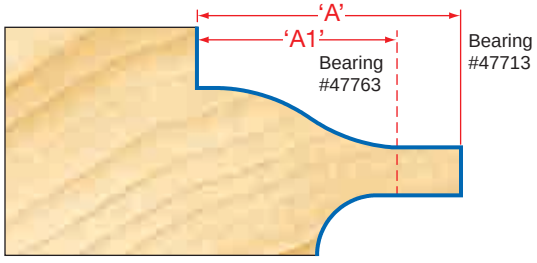


Traditional

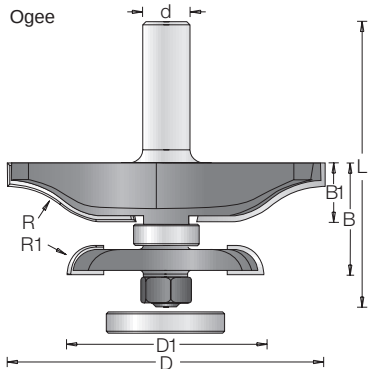


	ØD	ØD1	*'A' Reveal	**'A1'	R	Tool No.	R1	B	B1	Ød	L
12	3-3/8	2-1/8	1-3/8	1-1/16	7/8	**54221**	5/16	1-3/16	5/8	1/2	3-1/16

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

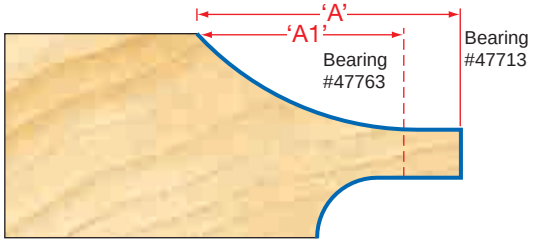


Ogee

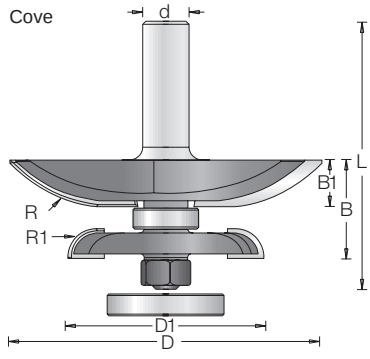


	ØD	ØD1	*'A' Reveal	**'A1'	R	Tool No.	R1	B	B1	Ød	L
12	3-3/8	2-1/8	1-3/8	1-1/16	1-9/16	**54229**	5/16	1-1/16	1/2	1/2	2-15/16

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



Cove

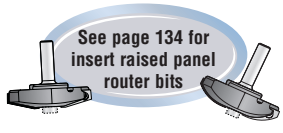


Use in a table-mounted router.
Not for use in a handheld router!

⚠ **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***

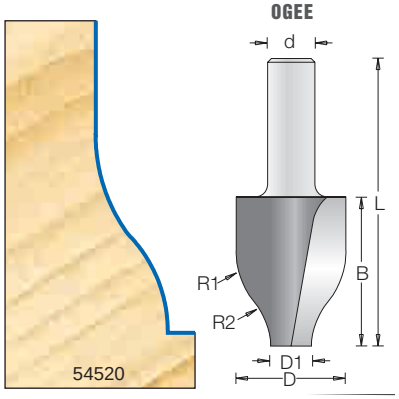
VERTICAL RAISED PANEL

2 FLUTE

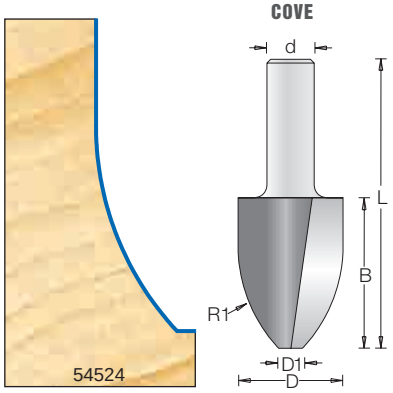
Raised panels with a low-horsepower, fixed speed router using these patented VERTICAL raised panel bits. You must do the work on a router table, with the work on edge, braced against the fence. Arched or curved shapes (i.e.: “cathedral” door panels) cannot be routed. To prolong tool life and get the 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

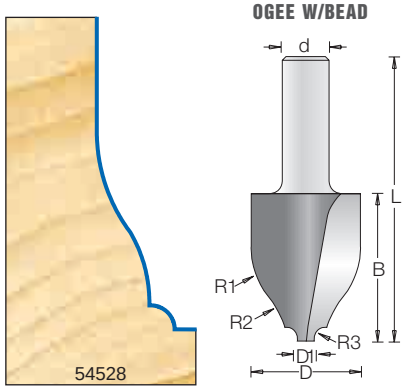
OGEE



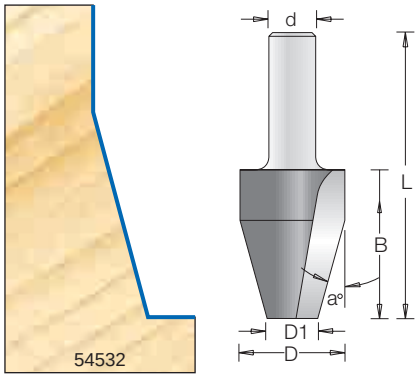
COVE



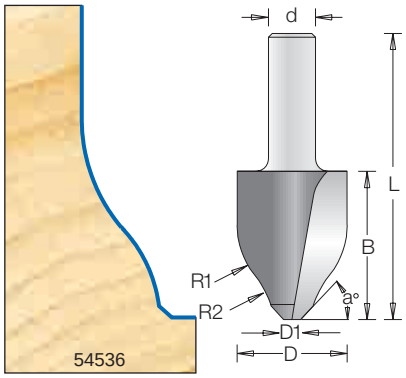
OGEE W/BEAD



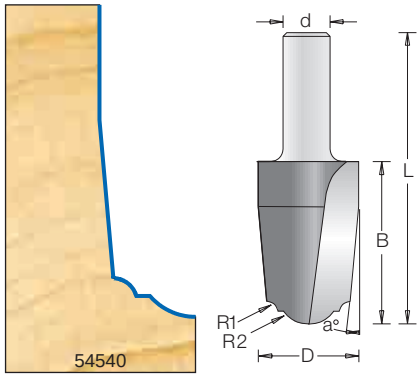
TRADITIONAL



OGEE W/CHAMFER



COVE W/BEAD



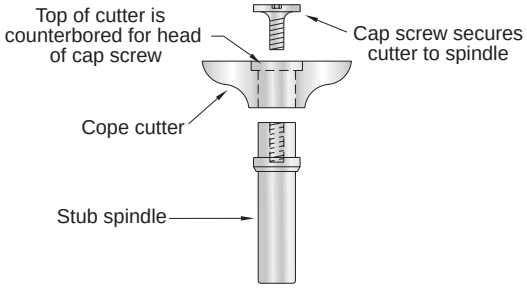
Use in a table-mounted router.
Not for use in a handheld router!

See page 134 for insert raised panel router bits

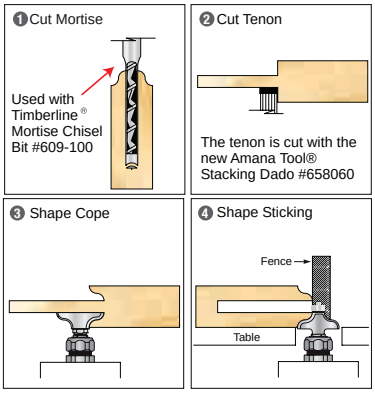
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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

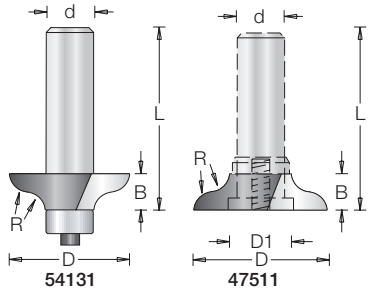
Want the beauty of traditional cope and stick doors with the strength and longevity of true mortise-and-tenon joinery? Our newest design ***allows you to make beautiful doors with tenons of any length you choose.***
This unique door-making system utilizes a "stub" spindle & cope cutter arrangement. The 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.

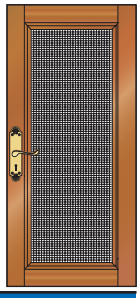
ENTRY DOOR BITS

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



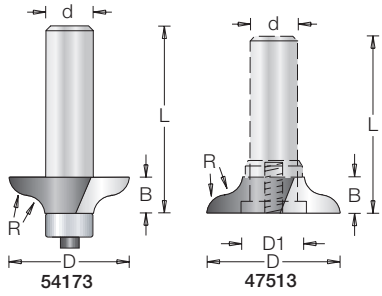


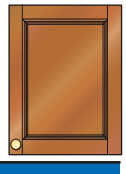
SCREEN DOOR BITS

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



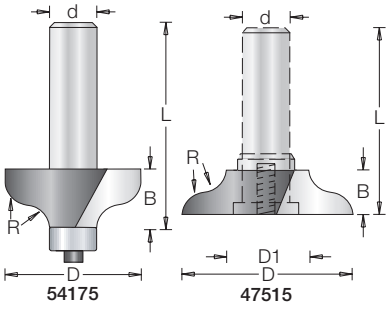


CABINET DOOR BITS

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®

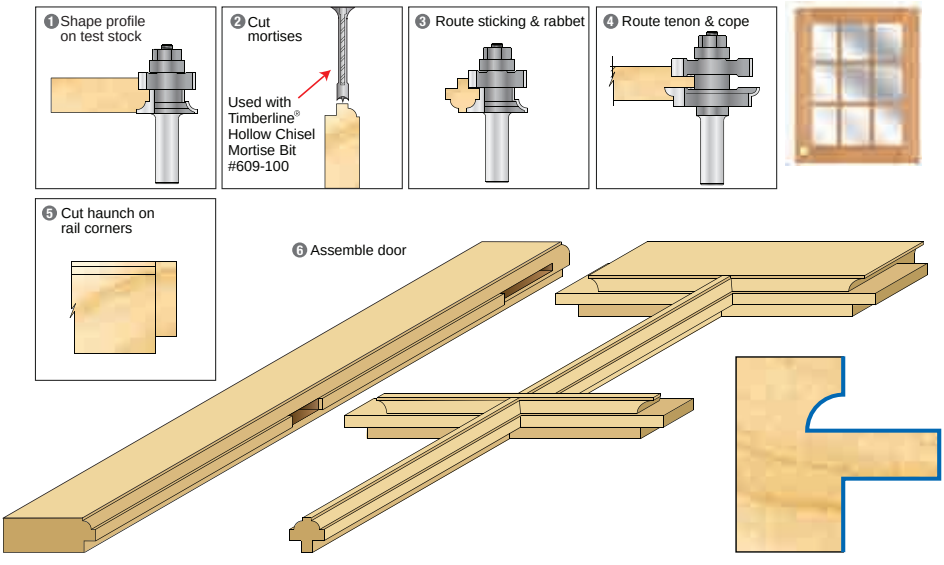
DIVIDED LIGHT CABINET DOOR BIT SET *New*

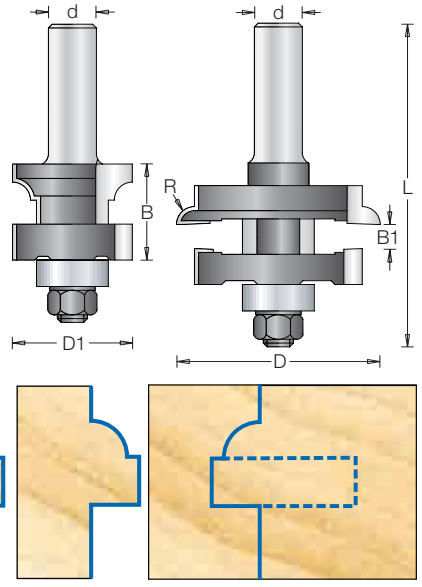
If you've wanted to construct true divided light doors for fine furniture and cabinets, look no further. Amana Tool®'s divided light entry door set enables you to make strong, attractive divided light doors with real mortise-and-tenon joints. The first bit shapes the decorative sticking along with a 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.

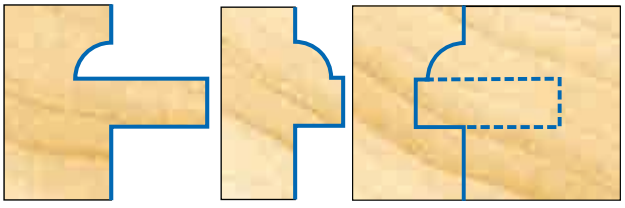
2 FLUTE • 3/4" TO 7/8" MATERIAL

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.







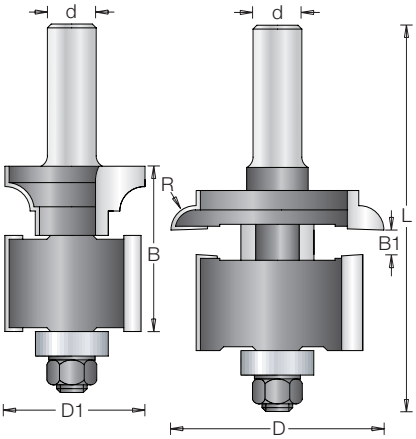
LARGE DIVIDED LIGHT DOOR BIT SET *New*

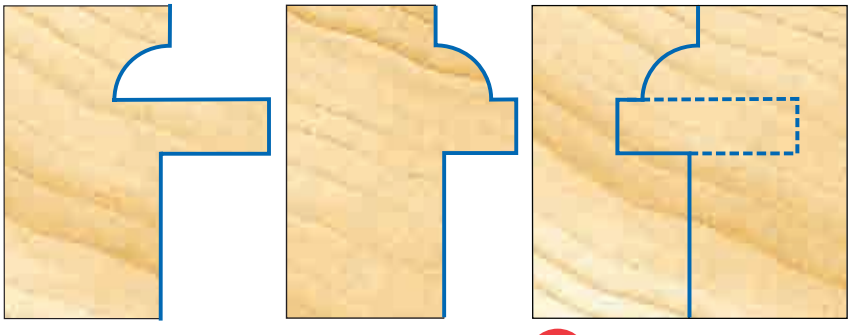
This bit set enables you to make strong, attractive divided light doors with real mortise-and-tenon joints. The first bit shapes the decorative sticking along with a rabbet for the glass. The second bit cuts the cope and the tenon. Once assembled, all of the door frame parts, stiles, rails, and mullions, interlock with 3/4" long tenons. The wide mullions are **perfect for large-scale furniture, cabinets, and architectural woodwork such as casement windows**. Mullions are 1" wide.

2 FLUTE • 7/8" TO 1-1/2" MATERIAL

ØD	ØD1	B	B1	Tool No.	R	Ød	L
2-3/16	1-7/16	1-5/8	1/4	**55362**	1/4	1/2	3-3/4

Replacement Bearing #47759.





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***

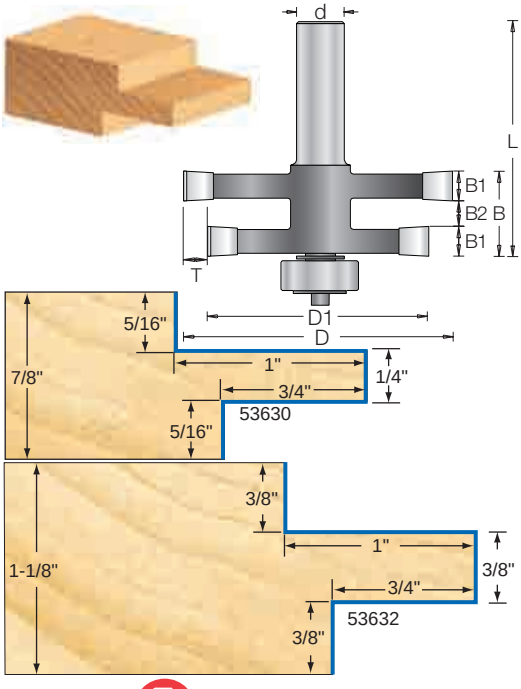
INTENTIONALLY LEFT BLANK

LONNIE BIRD New

OFFSET MORTISE-AND-TENON BIT FOR MISSION STYLE GLASS DOOR

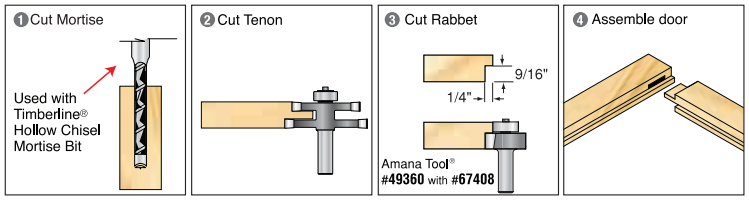
2 FLUTE • 3/4" TO 1-1/8" MATERIAL

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	B2	Tool No.	T	Ød	L	Use Mortise
2-7/8	2-3/8	7/8	5/16	1/4	**53630**	1/4	1/2	2-3/8	609-100
2-7/8	2-3/8	1-1/8	3/8	3/8	**53632**	1/4	1/2	2-5/8	609-120

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


Dado Tenon


Long Tenon

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).

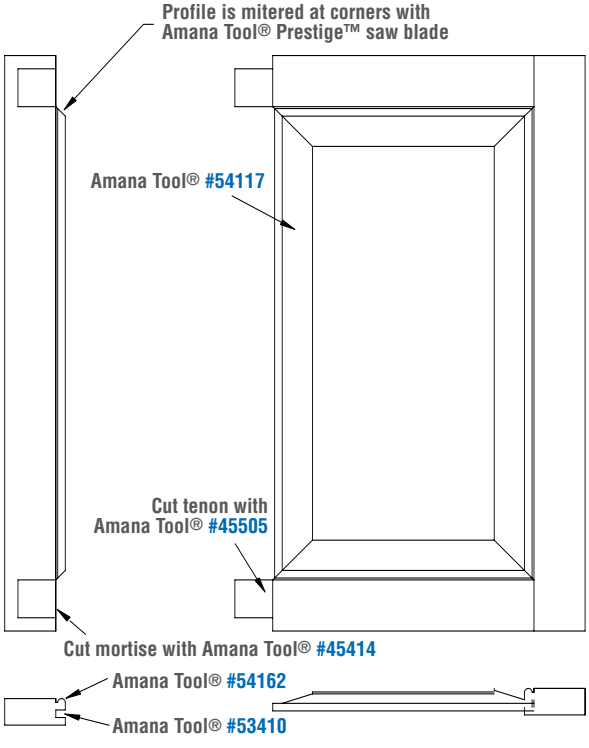
A common method for cutting tenons is with a tablesaw and a stacking dado head #658030 (p.209). Another option is to cut the tenon with a router table and mortising router bit #45505 (p.17). With either method, use the miter gauge to guide the stock along with the fence to control the tenon length.

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.

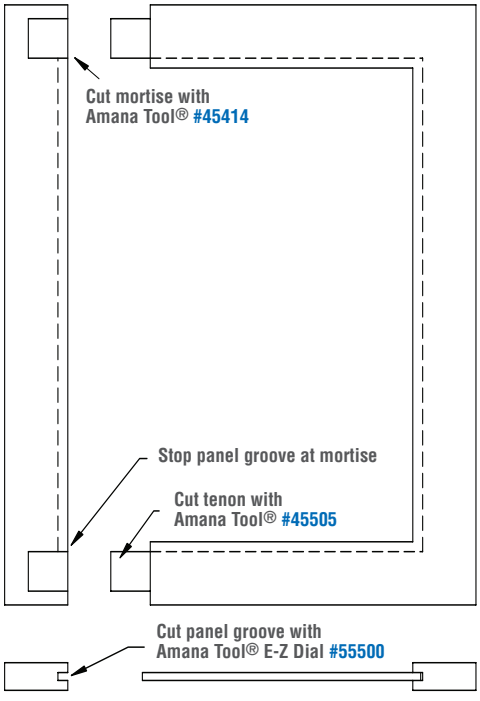
To cut the panel groove first decide what type of panel and panel material that you'll be using. There are a number of different raised panel profiles such as #54119 (p.93) and #54117 (p.92). To cut the 1/4" frame groove for the panel you can use Amana Tool® #53410 (p.78).

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***
Amana Tool®

LONNIE BIRD New

TAMBOUR DOOR/APPLIANCE GARAGE ROUTER BIT SET

Patent Pending

2 FLUTE

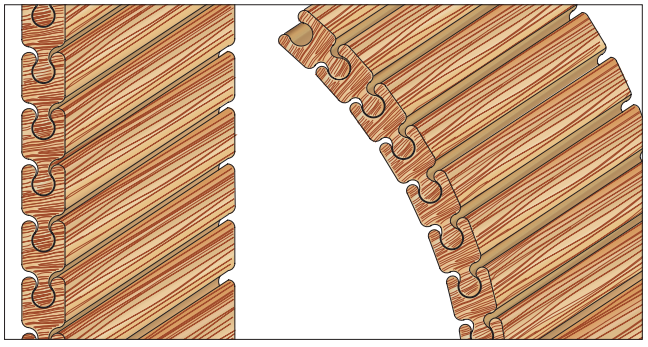
Lonnie Bird's **Tambour Door Bits** - requires no cloth or wires.

This three-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.

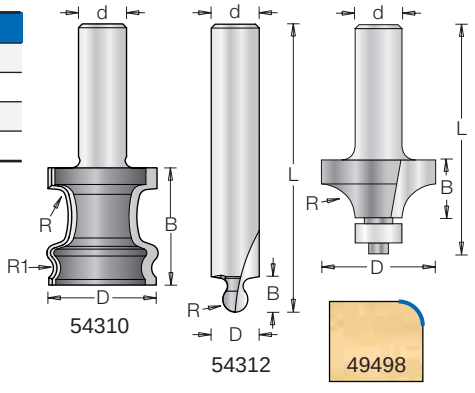
Each slat measures approximately 1/2" x 1".
The minimum radius for the tambour door is 3-1/2".
For use only in a table-mounted router.

Each Tambour Door Cutter set includes

ØD	R	R1	Tool No.	B	Ød	L
Complete 3 Piece Set			**54314**			
1-3/16	1/8	5/64	**54310**	1-1/4	1/2	2-3/4
1/2	5/64	—	**54312**	3/8	1/2	3
3/4	1/8	—	**49498**	3/8	1/2	2-5/16



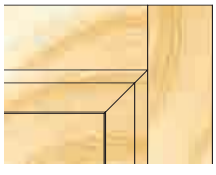
Use in a table-mounted router. Not for use in a handheld router!



LONNIE BIRD

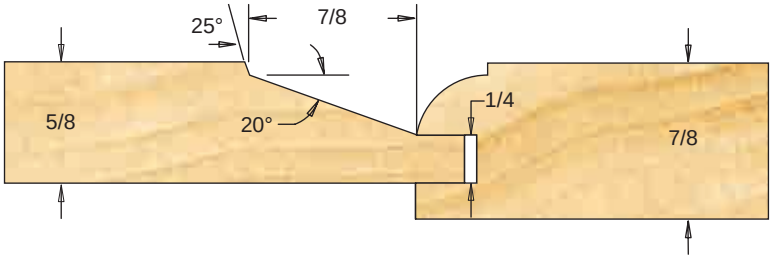
HISTORICAL SHAKER DOOR New

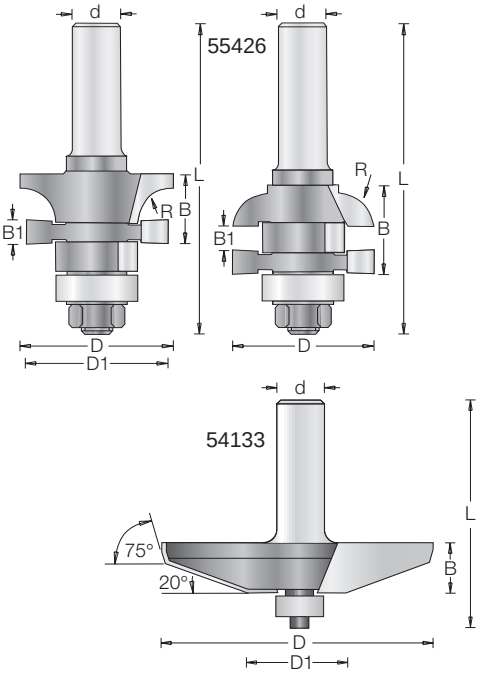
2 FLUTE • 7/8" FRAME MATERIAL AND 5/8" PANEL MATERIAL



If you'd like to reproduce exact Shaker details on your next project, we've got the bits that you need. This Shaker door set creates a short, steep 20 degree beveled panel edge just like doors on Shaker originals. A simple thumbnail profile along the inside edges of the frame duplicates the original profile to complete the authentic look.

ØD	D1	B	R	B1	Tool No.	Ød	L	Type
2-13/16	1	1/2	—	—	**54133**	1/2	2-1/64	Raised Panel
1-5/8	1-1/2	7/8	3/8	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***

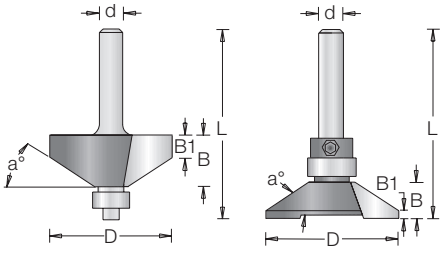
PROFILE SETS FOR GLASS DOORS, WINDOW, PANELING AND MANY OTHER JOINERY APPLICATIONS

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.

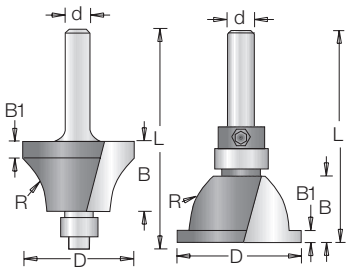
BEVEL SET



49440 49442 49450 49452

Set No. 49443 | Set No. 49453

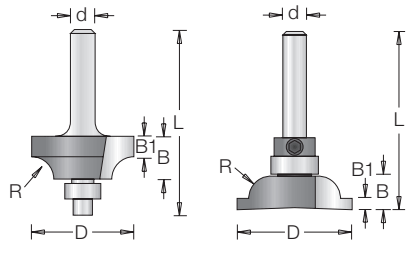
GLASS DOOR SET



49650 49652

Set No. 49653

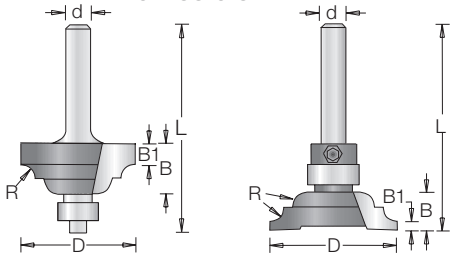
BEAD SET



49640 49642 49644 49646

Set No. 49643 | Set No. 49647

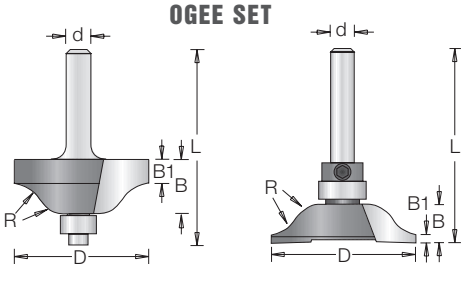
CLASSIC SET



49670 49672 49674 49676

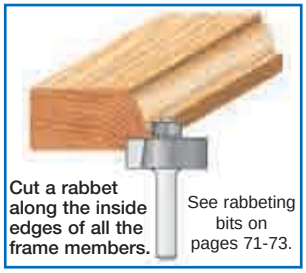
Set No. 49673 | Set No. 49677

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.

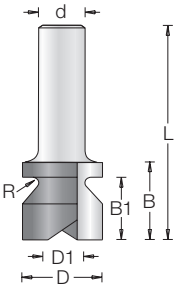
FINGER GRIP

(DRAWER PULL, DOOR LIP, ETC.)

2 FLUTE

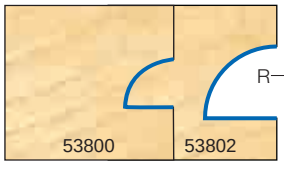
Produce clean, modern chests and cabinets uninterrupted by hardware pulls and knobs by integrating the pulls into the doors, drawers and lids. These one-pass cutters offer many appearance and ergonomic options, providing positive grips and softened, easy-on-the-fingers edges. All bits can be used in CNC and table-mounted routers. Larger diameter cutters will work in edge-guide or template-guide equipped handheld routers.

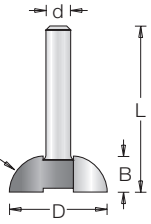
ØD	ØD1	R	B	Tool No.	B1	Ød	L
7/8	1/2	1/16	13/16	**53804**	43/64	1/2	2-5/16



53804

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

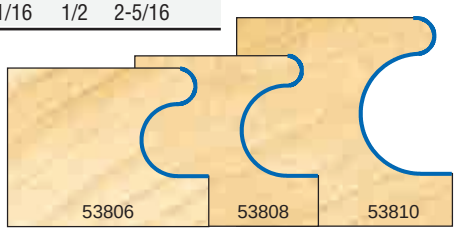


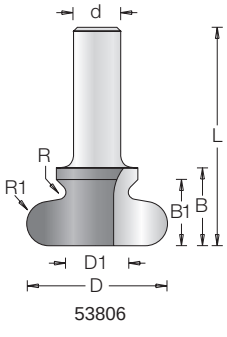


53800

ØD	ØD1	R	R1	Tool No.	B	B1	Ød	L
3/4	25/64	7/64	3/16	**53806**♦	3/4	39/64	1/2	2-1/4
1-1/2	11/16	5/64	15/64	**53808**♦	13/16	45/64	1/2	2-5/16
1-3/4	11/16	7/64	13/64	**53810**♦	13/16	11/16	1/2	2-5/16

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

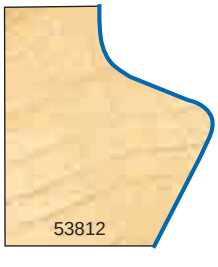


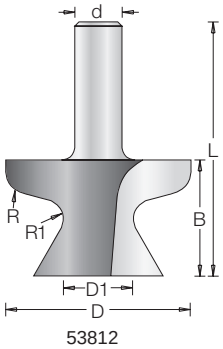


53806

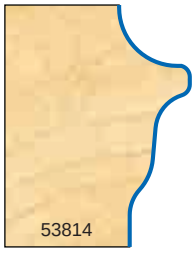
ØD	ØD1	D2	R	Tool No	R1	B	Ød	L
2	3/4	–	1/4	**53812**♦	3/16	1-1/4	1/2	2-3/4
1-3/32	–	–	–	**53814**♦	–	1-1/4	1/2	2-3/4
1-21/32	.386	.649	1/2	**53816**♦	7/64	3/4	1/2	2-1/4

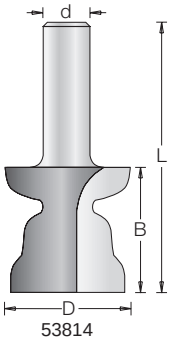
⚠ **WARNING:** Maximum RPM ⚠14 = 14,000.



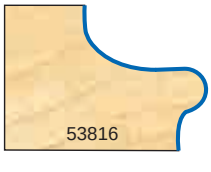


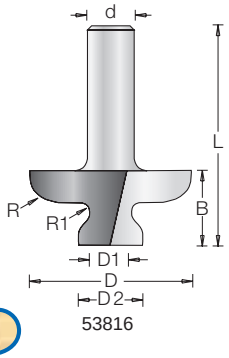
53812





53814





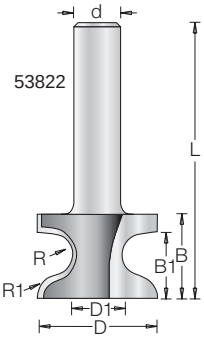
53816

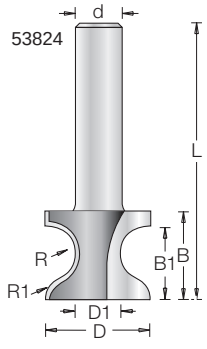
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

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**	13/16	11/16	1/2	2-7/8
1-7/16	5/8	3/8	5/16	**53824**	1-1/8	1	1/2	3-7/8





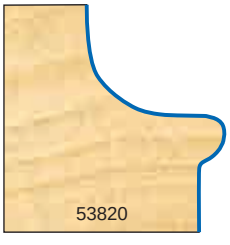
DOOR EDGE DETAIL

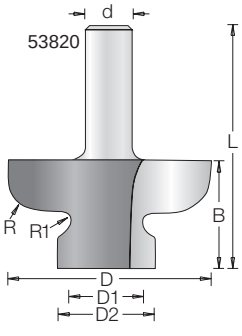
FOR (DECO)™ DOOR

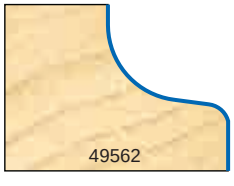
Use these bits to shape the edges of cabinet doors. Style #53820 also eliminates the need for a pull to create a clean, uncluttered look.

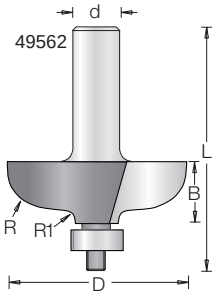
ØD	ØD1	ØD2	R	Tool No	R1	B	Ød	L
2	23/32	31/32	3/8	**53820**	1/8	1-3/16	1/2	2-1/2
1-3/4	–	–	3/8	**49562**	1/8	11/16	1/2	2-5/8

Replacement bearing #47706 for Tool #49562.









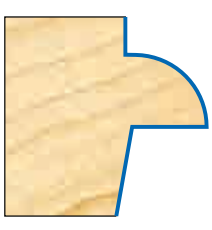
DOOR LIP ASSEMBLY

CORNER ROUND & TAPER RABBET• 2 FLUTE • COMPLETE ASSEMBLY

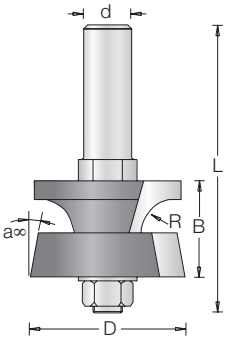
Mill the edges of doors and drawer fronts with this assembly, rounding the show edge and simultaneously forming a rabbet with a tapered shoulder on the back edge. Works on straight stock from 5/8" through 1" in thickness. Must be used in a table-mounted router.

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



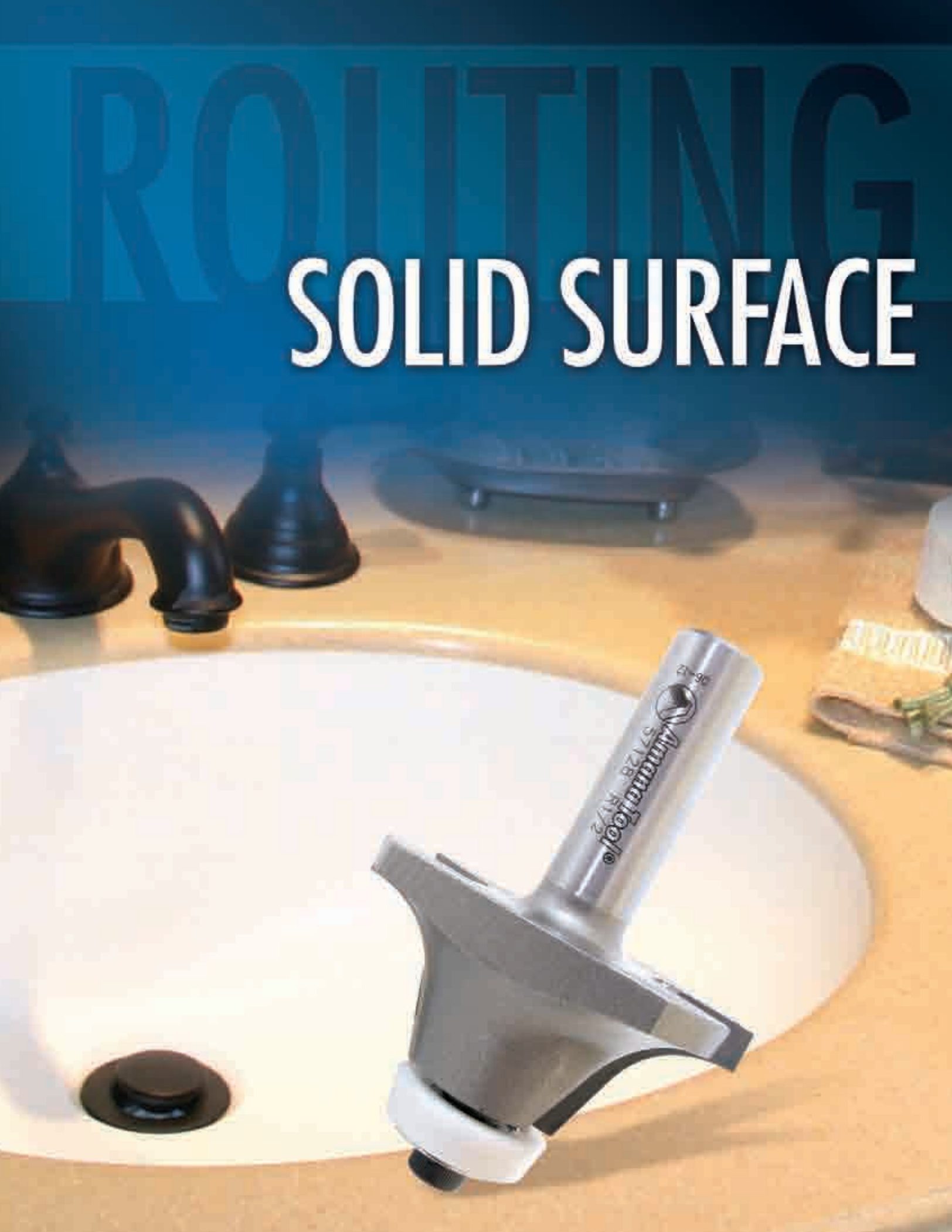
Use in a table-mounted router.
Not for use in a handheld router!



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***

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.

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.

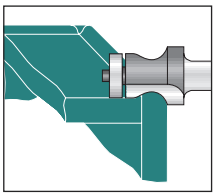
Wilsonart® and Gibraltar® are registered trademarks of Wilsonart® International. Corian® and Delrin® are registered trademarks of the Dupont Co. Surell® is a registered trademark of the Formica Corp. Fountainhead® is a registered trademark of Nevamar. Avonite® is a registered trademark of the Avonite Corp. Amana Tool® makes no endorsements whatsoever to manufacturers of the solid surface materials listed herein.

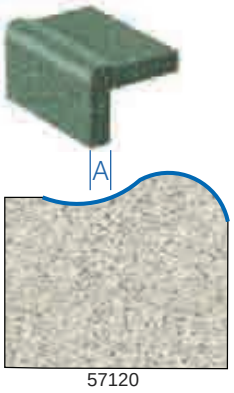
Recommended by: WILSONART® INTERNATIONAL

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

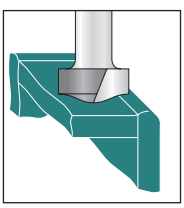
ØD	ØD1	A	R	Tool No.	B	B1	Ød	L
1	3/4	1/2	5/16	**57118**	7/8	5/8	1/2	3
1	3/4	3/4	5/16	**57120**	1-1/8	15/16	1/2	3-1/4

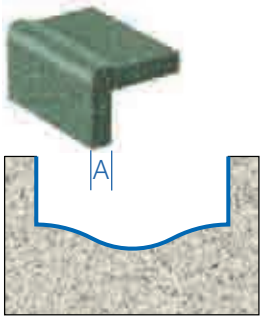
Replacement Ultra-Glide™ bearing #47709. (Includes #5003 5/32" hex key).
Replacement steel bearing (old style) #47714.

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.)



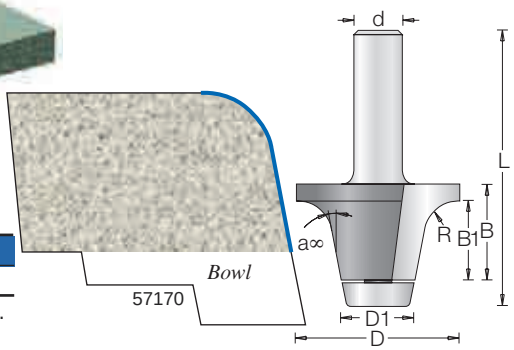


ØD	A	Tool No.	B	Ød	L
1	3/4	**57146**	1/2	1/4	1-1/2
1	3/4	**57148**	1/2	1/2	2-1/8

ROUND OVER WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

This tool is intended for use on ½" thick material. It will put a 3/8" radius round over on the counter top. Furnished with Ultra-Glide™ non-marring Delrin®-sleeved ball-bearing guide. For use on "Vaso Sink Collection" by Dupont®.



57170

ØD	D1	a°	R	Tool No.	B	B1	Ød	L
1-7/8	3/4	10°	3/8	**57170**	1	25/32	1/2	2-29/32

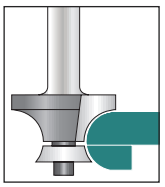
Replacement Ultra-Glide™ bearing assembly #47774. (Includes #5009 1/8" hex key).
NOTE: Corian® & Delrin® are registered trademarks of Dupont Co.

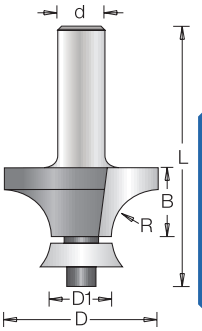
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***
Amana Tool®

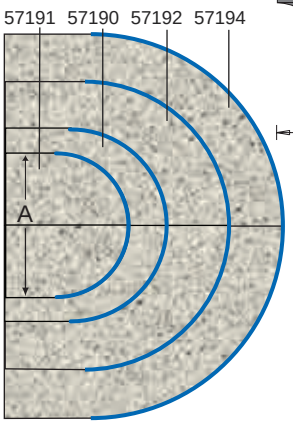
CORNER ROUNDING WITH ULTRA-GLIDE™ RADIUS BEARING

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
New	1-3/8	3/8	3/4	3/8	**57191**	5/8	1/2	2-5/8	47766
	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).

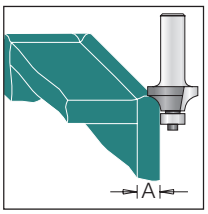
⚠ **WARNING:** Maximum RPM ⚠18 = 18,000

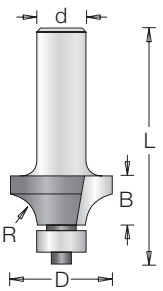
Use in a table-mounted router. Not for use in a handheld router!

CORNER ROUNDING WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

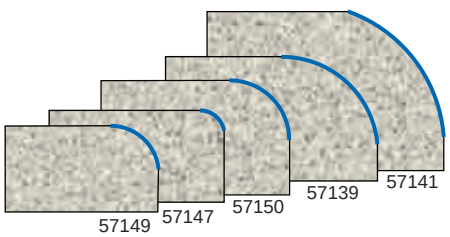
2 FLUTE

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

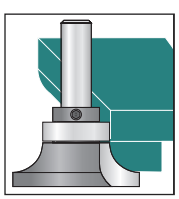


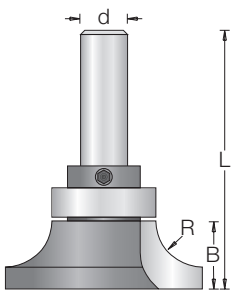
Replacement Ultra-Glide™ bearing assembly #47707. (Includes #5000 1/8" hex key).
NOTE: Corian® & Delrin® are registered trademarks of Dupont Co.

ROUND UNDER WITH UPPER BALL BEARING

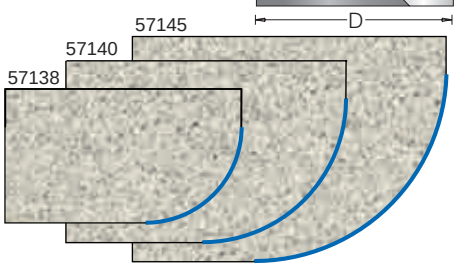
2 FLUTE

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

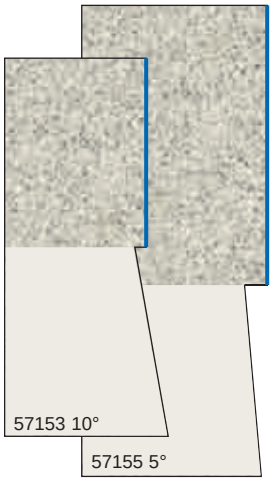
Use in a table-mounted router. Not for use in a handheld router!

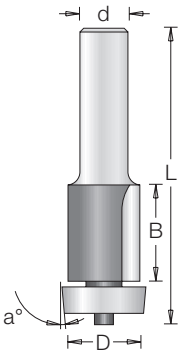
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

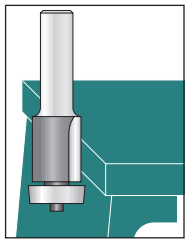
BOWL & SINK TRIM WITH ULTRA GLIDE™ BALL BEARING GUIDE

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

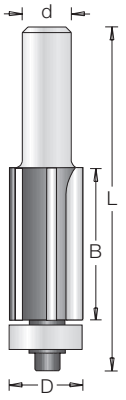
Replacement Ultra-Glide™ Bearing Assemblies:
(Includes #5003 5/32" hex key).

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.



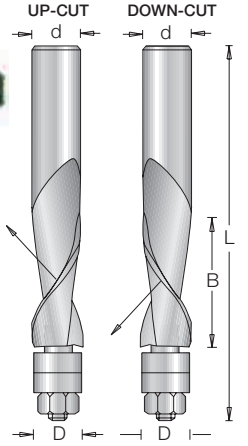
ØD	B	Tool No.	Ød	L
3/4	1	**57184**	1/2	3
3/4	1-1/2	**57185**	1/2	4
3/4	2	**57186**	1/2	4-1/2

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

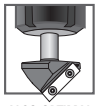
New

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.

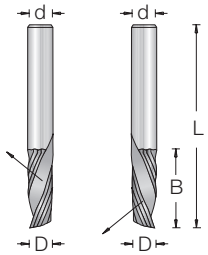
For SUPER CLEAN CUTS IN:

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



The most popular design.
Fits most CNC machines.

- Right Hand Helix
- Right Hand Cut

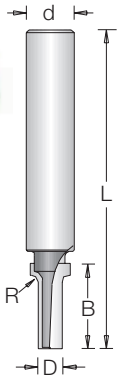


ØD	B	‘Up-Cut’ Tool No.	‘Down-Cut’ Tool No.	Ød	L
1/8	1/2	**51410**	**51510**	1/8	2
3/16	5/8	**51412**	**51512**	3/16	2
1/4	3/4	**51404**	**51504**	1/4	2

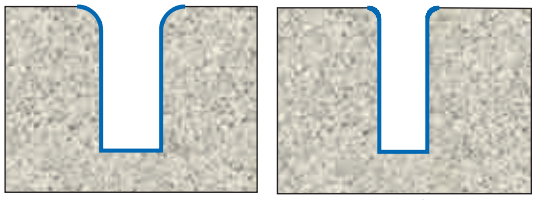
VENTING/SLOTTING WITH RADIUS EDGE

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.



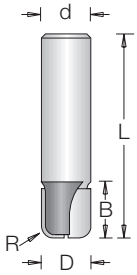
ØD	B	R	Tool No.	Ød	L
1/4	3/4	1/16	**57110**	1/2	3-1/4
5/16	3/4	1/8	**57111**	1/2	3-1/4



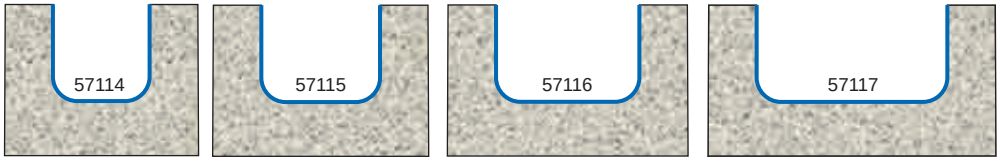
DRAINBOARD

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

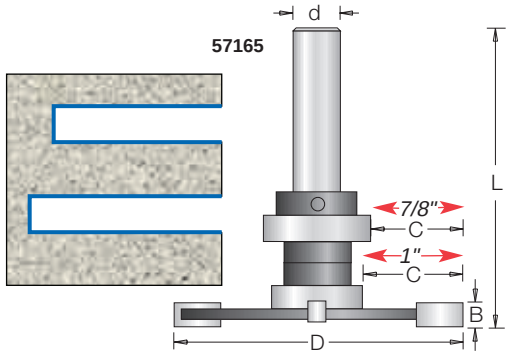
Use for cutting out undermount bowls, Surell®, Fountainhead® and other solid surface undermount bowls. For Corian® bowls, must be used with a Corian® bowl template.

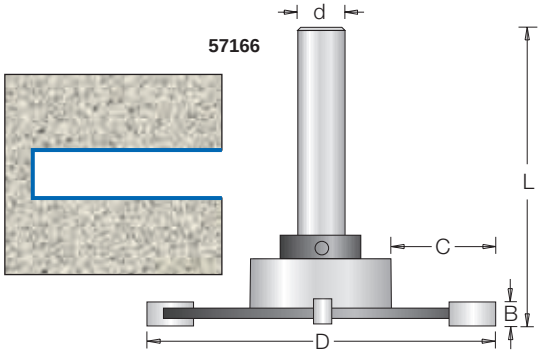
ØD	B	Tool No.	C	Ød	L
3	3/16	**57165**	7/8 & 1	1/2	3-5/32
3-5/8	1/4	**57166**	1	1/2	3-9/32

Tool No.	Bearing	Spacer	Collar	Key
57165	47745, 47747	55371	47739	5002
57166	47749	55363	47739	5002

WARNING: Maximum RPM 12 = 12,000

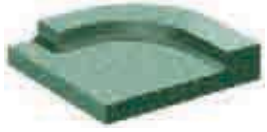
NOTE
To achieve the best possible results use these bits with a variable speed router:
Minimum horsepower: 2-1/2
Speed: 12,000 RPM or less.





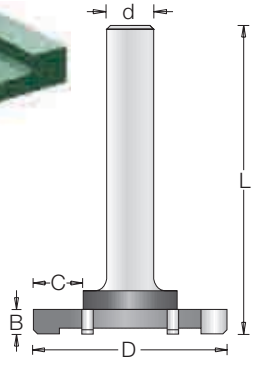
COUNTER-TOP TRIM

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



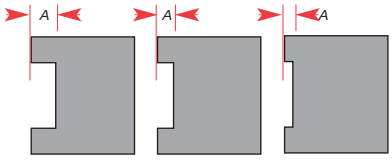
FACE-INLAY WITH 3 BALL BEARING GUIDES

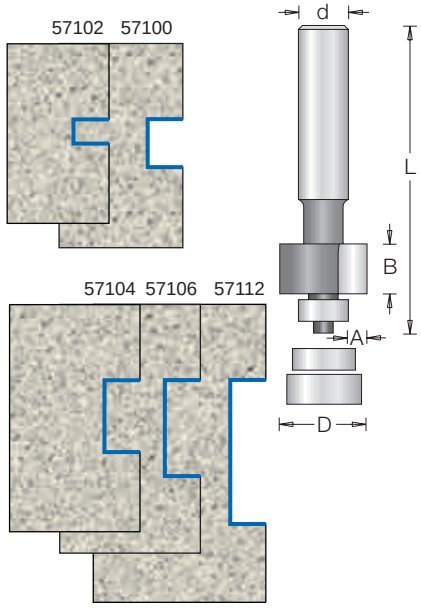
2 FLUTE

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***

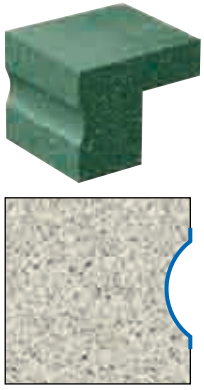
EDGE FACE COVE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

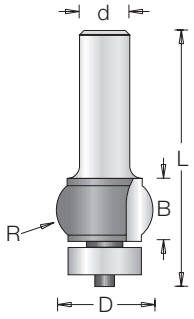
2 FLUTE

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).





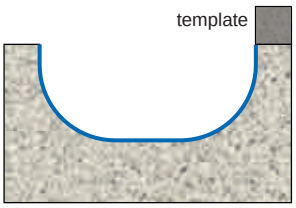
COVE/BACKSPLASH WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

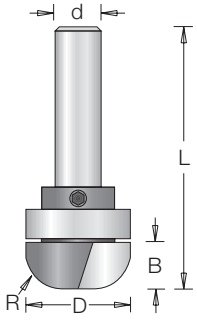
2 FLUTE

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.





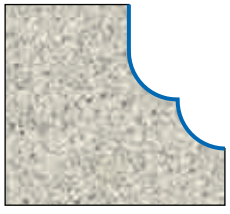
DOUBLE COVE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

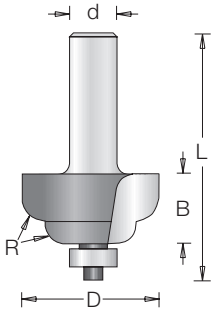
2 FLUTE

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.





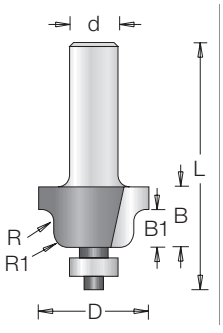
ROMAN OGEE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

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

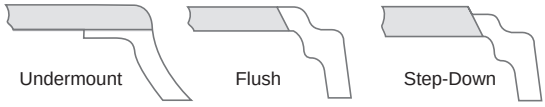
Replacement Ultra-Glide™ bearing #47707.
Optional replacement steel bearing #47706.



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

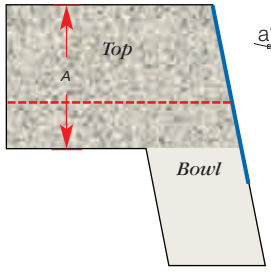
2 FLUTE

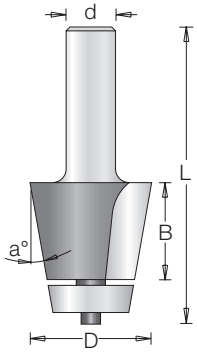


These bits prepare and/or finish counter-top edges in conjunction with undermount bowl installations. The roundover and ogee bits trim and profile the counter-top edges after the bowl is mounted. The bevel bit trims the sink cut-out flush with an installed undermount bowl, but it also can be used with 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.

Bevel
57122



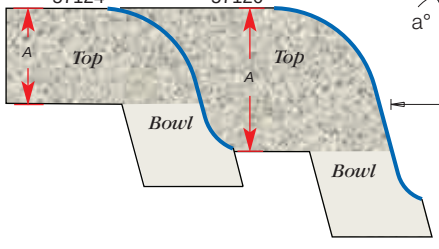


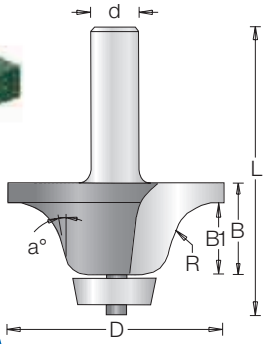
ØD	a°	R	A	Tool No.	B	B1	Ød	L	Description
2-1/8	18°	1/2	1/2	**57128**	1	3/4	1/2	3	Roundover
2-1/4	18°	9/16	3/4	**57130**	1-1/4	1	1/2	3-1/4	Roundover
2-1/8	15°	1/2	1/2	**57124**	1	3/4	1/2	3	Ogee
2-1/4	15°	9/16	3/4	**57126**	1-1/4	1	1/2	3-1/4	Ogee
1-1/4	10°	—	1/2 & 3/4	**57122**	15/16	—	1/2	3	Bevel

Replacement Ultra-Glide™ bearing assembly #47726 (all tools).
(Includes #5003 5/32" hex key and #67093 allen screw).

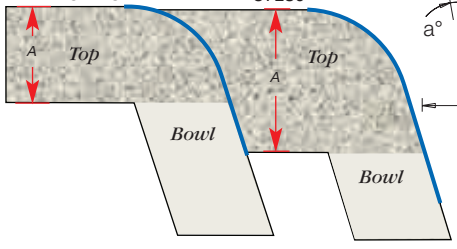
NOTE: Corian® & Delrin® are registered trademarks of Dupont Co.

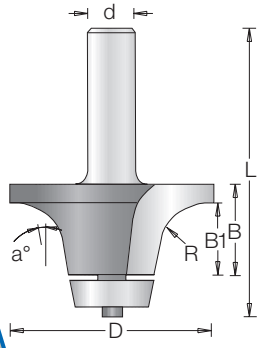
Ogee
57124 57126





Roundover
57128 57130





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

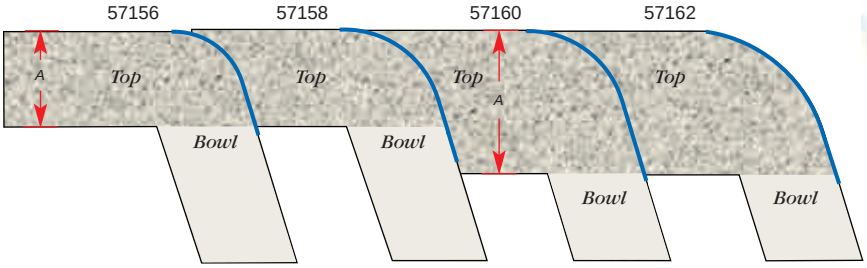
2 FLUTE ASSEMBLY FOR CORIAN® BOWL #'S 874S, 810AS, 850, 857B, 859S, 871S, 872S, 891S, 893S

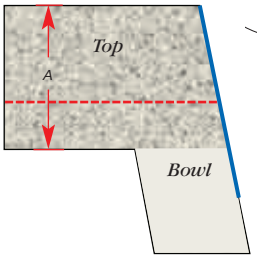
These bits are designed specifically for use in undermount installations of Corian® bowl #874-S. They trim and profile the counter-top edges after the bowl is mounted.

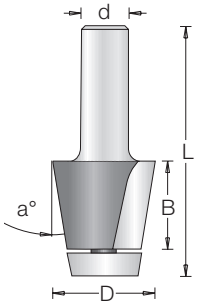
ØD	a°	R	A	B	Tool No.	B1	Ød	L	Description
1-25/32	17°	3/8	1/2	11/16	**57156**	17/32	1/2	2-1/2	Roundover
2	14°	1/2	1/2	11/16	**57158**	17/32	1/2	2-1/2	Roundover
2-1/8	17°	1/2	3/4	1	**57160**	25/32	1/2	2-7/8	Roundover
2-1/4	15°	3/4	3/4	1-1/4	**57162**	25/32	1/2	3	Roundover
1-1/4	10°	—	1/2 or 3/4	1	**57168**	—	1/2	3	Bevel

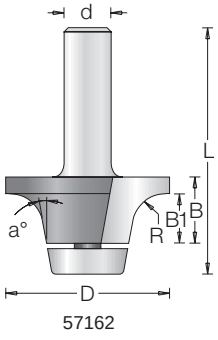
Replacement Ultra-Glide™ bearing assembly #47731. (Includes #5009 1/8" hex key and #67146 special flat head machine screw).

WARNING: Maximum RPM 20 = 20,000









UNDERMOUNT PROFILE BOWL

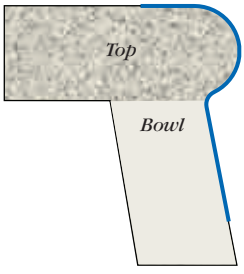
2 FLUTE WITH BALL BEARING GUIDE ASSEMBLY

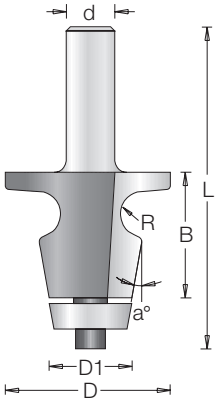
Use this unique bit to complete the installation of an undermount-type bowl. In one pass, the bit trims the seam between bowl and counter-top and cuts a bullnose profile on the counter edge. Use with any handheld router; the Ultra-Glide™ bearing guides the cut.

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!





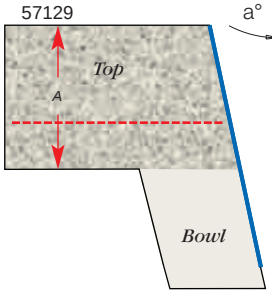
WILSONART® BOWL WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

2 FLUTE

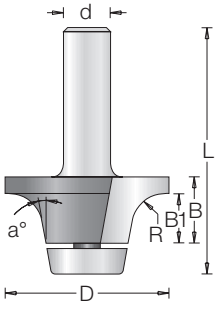
These three bits, designed specifically for use with the Wilsonart® bowl, produce three different edge treatments - a bevel with a hard edge, a bevel with a rounded-over edge, and a bevel with an ogee-profile edge. Use with any handheld router; the Ultra-Glide™ bearing guides the cut.

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

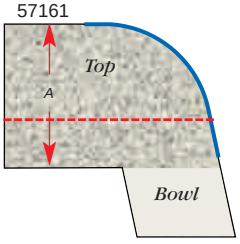
Replacement Ultra-Glide™ bearing assembly #47732 (includes #5009 1/8" hex key and #67146 special flat bead machine screw).

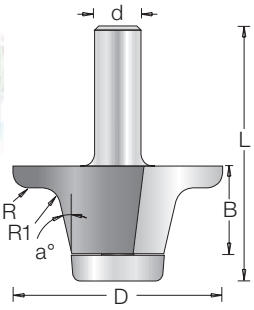


57129
Bevel

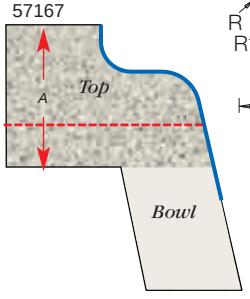


57161
Roundover





57167
Ogee



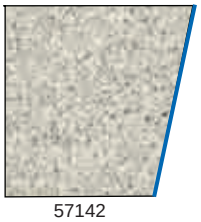
TOPMOUNT BOWL & COUNTER-TOP WITH BALL BEARING GUIDE

2 FLUTE

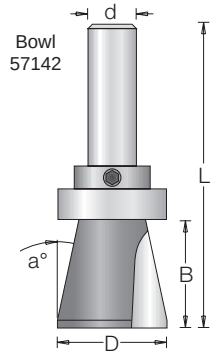
These two bits are designed for topmount or “drop-in” type sinks and bowls, and allow all the work to be done from the upper surface. (They are used for Corian® sink & bowl #’s 809E, 810, 871E, and 872E, among others.) The counter-top bit prepares the edge of the sink cut-out, while the matching bowl bit cuts the edge of the sink. Both bits have shank-mounted bearings for these template-guided operations.

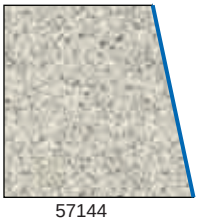
ØD	a°	B	Ød	Tool No.	L	Description
1-1/8	14°	1	1/2	**57142**	3-1/8	Bowl bit
1-1/8	14°	1	1/2	**57144**	3-1/8	Counter-top Bit

Replacement bearing #47738.
Replacement collar #47740.

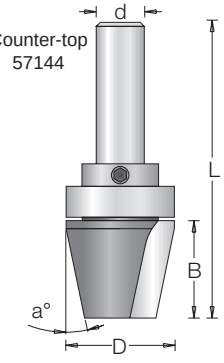


57142





57144



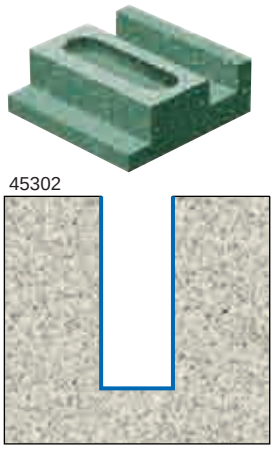
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

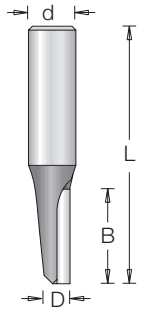
TOPMOUNT ROUTER EUROPEAN TYPE

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.

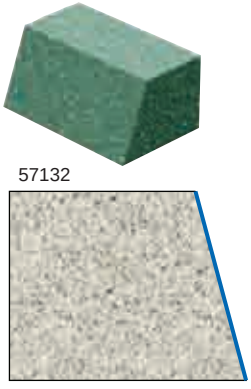
ØD	a°	B	Tool No.	Description	Ød	L
3/8	—	1	**45302**	1-Flute plunge bit	1/2	2-3/4
29/32	15°	15/16	**57132**	2-Flute bevel	1/2	2-1/2
31/32	—	5/8	**57134**	2-Flute Ogee bit	1/2	2-3/8

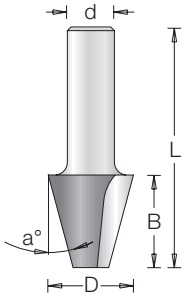
NOTE: Corian® & Delrin® are registered trademarks of Dupont Co.



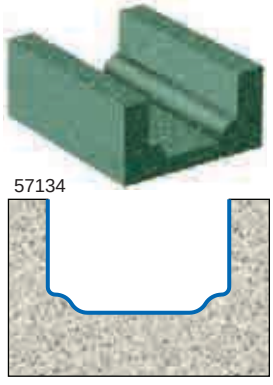


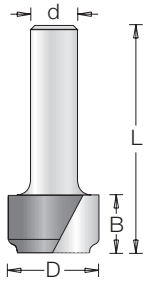
45302





57132





57134

BEVEL WITH BALL BEARING GUIDE

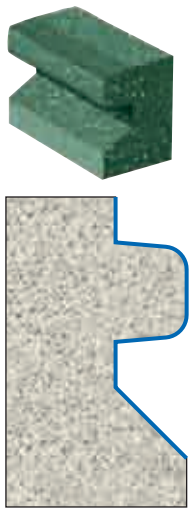
2 FLUTE

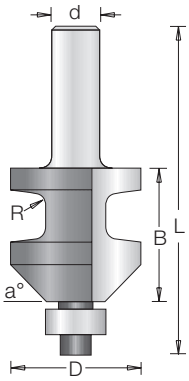
Forms a profile decorative edge for solid surface material.

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!



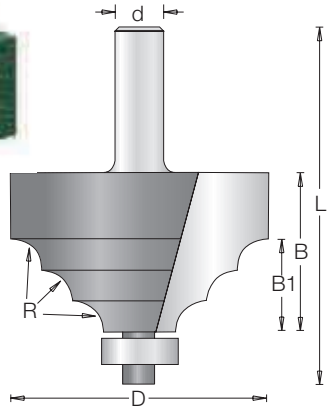


DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

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.

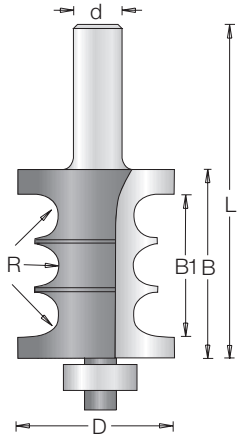
NOTE: Tools on this page can also be used for woodworking applications by substituting #47709 Ultra-Glide™ bearing for #47714 steel bearing. Order #47714 separately.



D	R	B	Tool No.	B1	d	L
2-5/8	5/16	1-5/8	**57200**	15/16	1/2	3-1/2

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

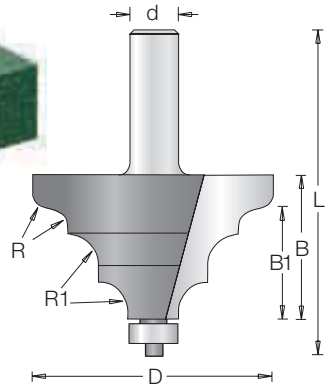
Use in a table-mounted router. Not for use in a hand held router!



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 hand held router!



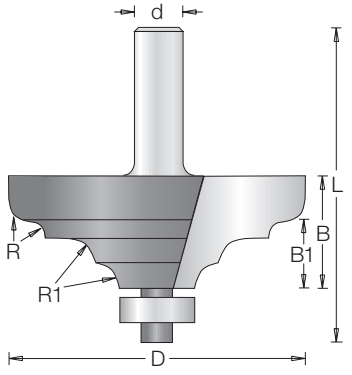
D	R	R1	Tool No.	B	B1	d	L
2-3/4	3/16	5/16	**57204**	1-1/2	1-1/8	1/2	4

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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

△! **WARNING:** Maximum RPM △12 = 12,000

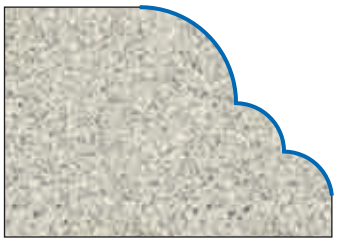
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

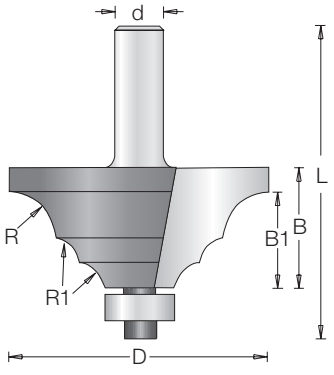


	D	R	R1	Tool No.	B	B1	d	L
10	3	1/4	3/16	**57206**	1-1/8	3/4	1/2	3

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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

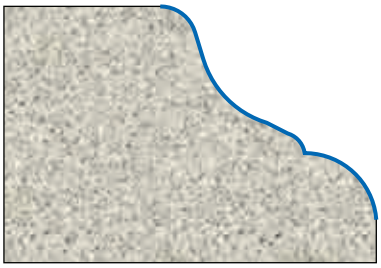


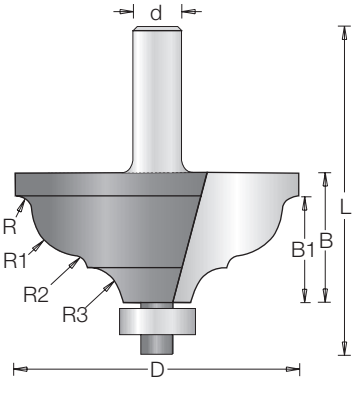


	D	R	R1	Tool No.	B	B1	d	L
10	2-3/4	1/2	1/4	**57208**	1-5/16	1	1/2	3-1/8

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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





	D	R	R1	R2	Tool No.	R3	B	B1	d	L
10	3	3/16	1/2	1/8	**57210**	3/8	1-9/16	1-5/32	1/2	3-5/16

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

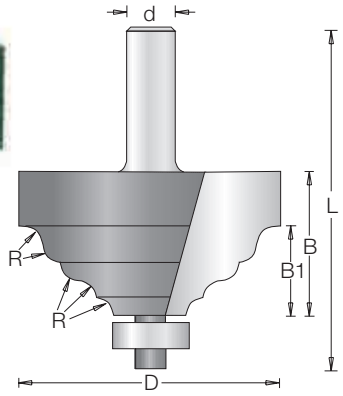
Use in a table-mounted router. Not for use in a handheld router!

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

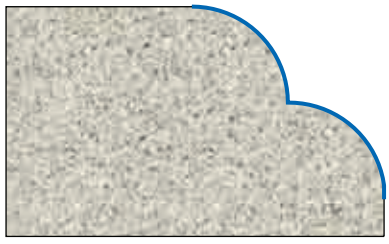
2 FLUTE

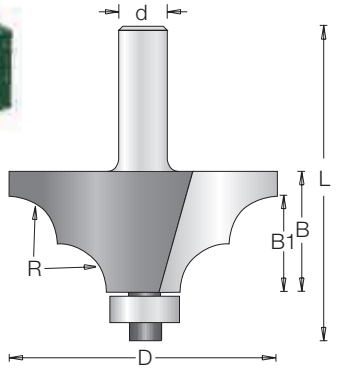


	D	R	B	Tool No.	B1	d	L
10	2-3/4	3/16	1-9/16	**57212**	15/16	1/2	3-7/16

Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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

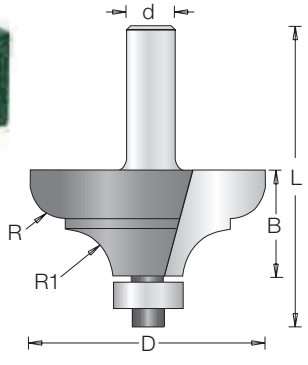




	D	R	B	Tool No.	B1	d	L
10	2-3/4	1/2	1-1/4	**57214**	1	1/2	3-1/4

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).

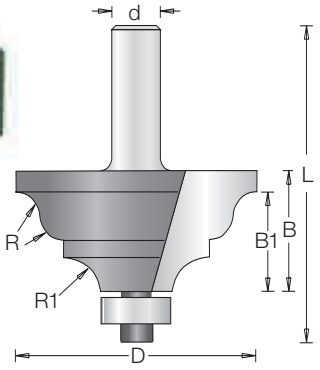
Use in a table-mounted router. Not for use in a handheld router!

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

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

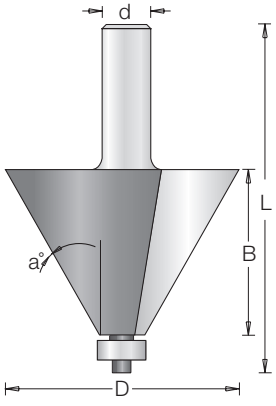
Replacement Ultra-Glide™ bearing #47709.
(Includes #5003 5/32" hex key).

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

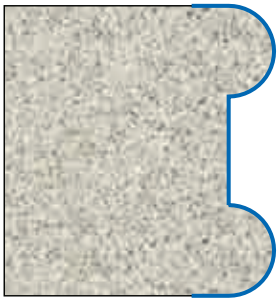
Replacement Ultra-Glide™ bearing #47707.

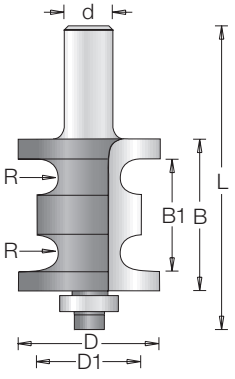
Use in a table-mounted router. Not for use in a handheld router!

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	D1	R	B	Tool No.	B1	d	L
1-1/2	1-1/8	15/64	1-15/16	**57238**	1-1/2	1/2	3-15/16

Replacement bearing #47712.

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

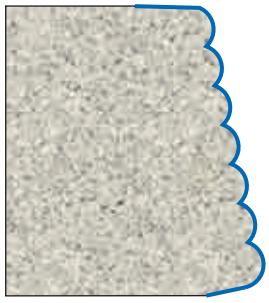
⚠ **WARNING:** Maximum RPM 12 = 12,000

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***

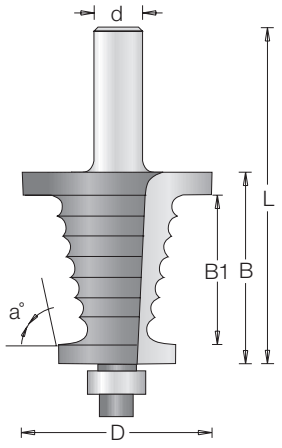
TAPERED REED WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

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
18	2	78°	2	**57240**	1-1/2	1/2	3-1/8

Replacement Ultra-Glide™ bearing assembly #47707.

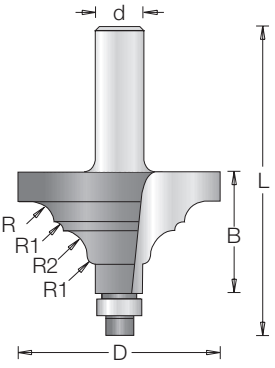
⚠ **WARNING:** Maximum RPM 18 = 18,000

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!



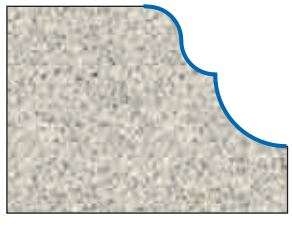
D	R	R1	Tool No.	R2	B	d	L
2-1/4	15/64	3/32	**57242**	9/32	1-3/8	1/2	3-1/8

Replacement Ultra-Glide™ bearing assembly #47707.

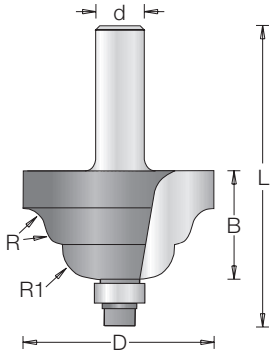
MULTI REVERSE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

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!



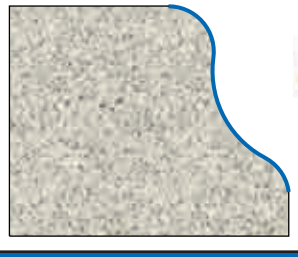
D	R	R1	Tool No.	B	d	L
2	11/64	3/8	**57244**	1-1/8	1/2	3-1/4

Replacement Ultra-Glide™ bearing assembly #47707.

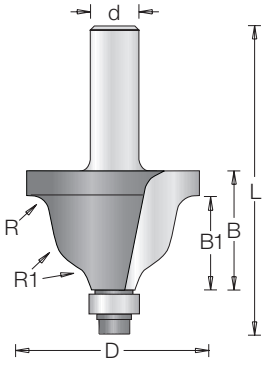
LONG OGEE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

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

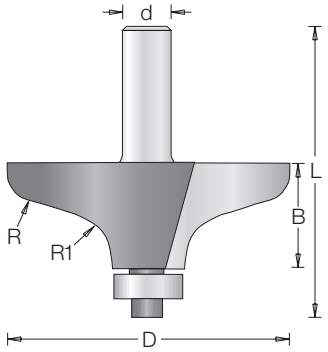
Replacement Ultra-Glide™ bearing assembly #47707.

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

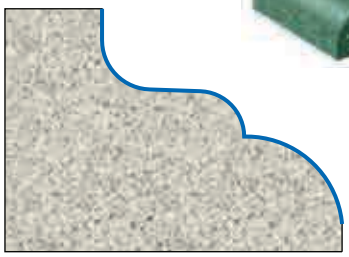
Replacement Ultra-Glide™ bearing assembly #47709.

⚠! **WARNING:** Maximum RPM 15 =15,000

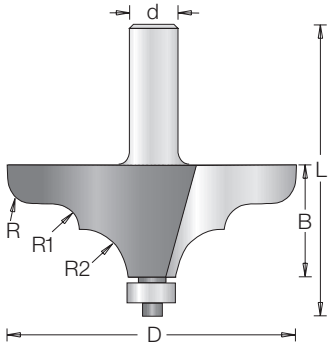
DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

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

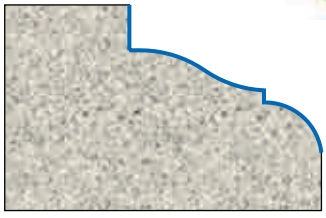
Replacement Ultra-Glide™ bearing assembly #47707.

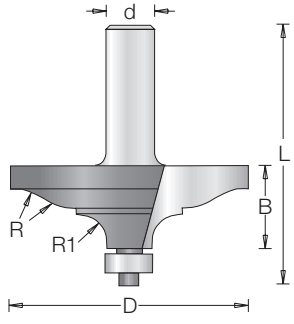
⚠! **WARNING:** Maximum RPM 16 =16,000

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.





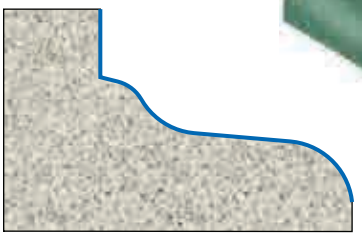
D	R	R1	Tool No.	B	d	L
2-1/2	19/32	19/64	**57254**	7/8	1/2	2-3/4

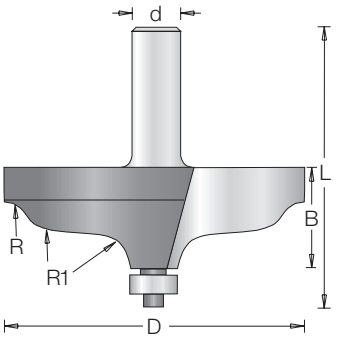
Replacement Ultra-Glide™ bearing #47707.

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.





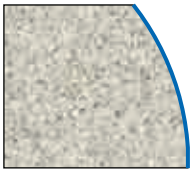
Use in a table-mounted router. Not for use in a handheld router!

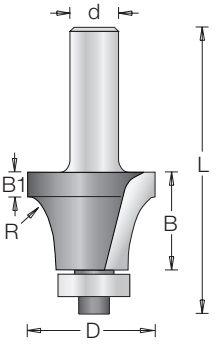
D	R	R1	Tool No.	B	d	L
14 3-1/8	13/64	23/64	**57256**	1-1/8	1/2	2-15/16

Replacement Ultra-Glide™ bearing #47707.

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

DECORATIVE EDGE TRIM



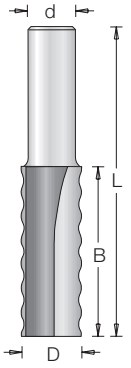


D	B	B1	Tool No.	R	d	L
1-5/16	1-1/16	7/32	**57257**	1-3/8	1/2	3-1/8

Replacement bearing #47709.

WAVY JOINT

Creates a solid joint in the material by adding a greater surface for glue.

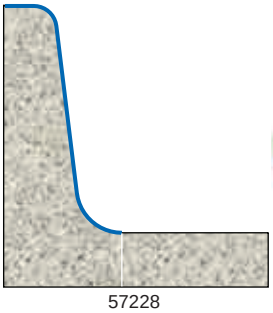


D	B	Tool No.	d	L
5/8	1-13/16	**57260**	1/2	3-1/8

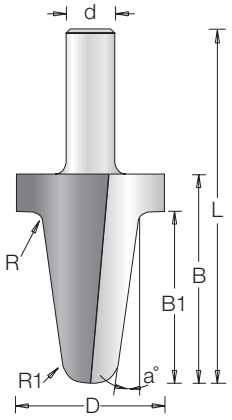
BACKSPLASH

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

Router Bit Sets

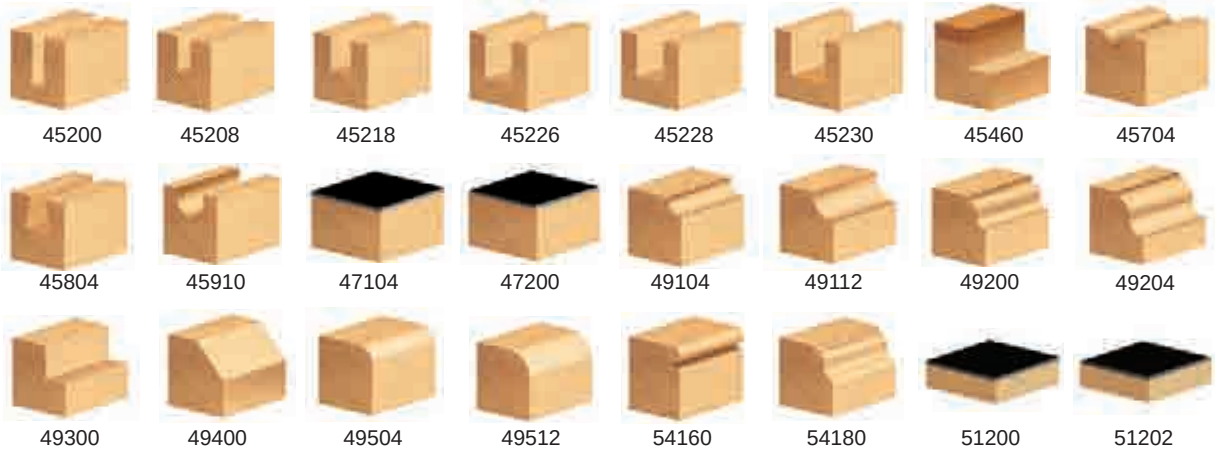
MASTER ROUTER SET

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

STRAIGHT PLUNGE | TRIMMING & BEVELING | GROOVING | PROFILING | RABBETING | Jointing | Door Making

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***

Amana Tool®

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

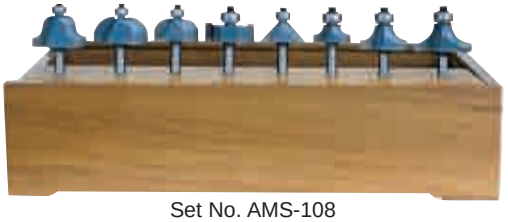
Sets include a custom-made hardwood storage case.

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

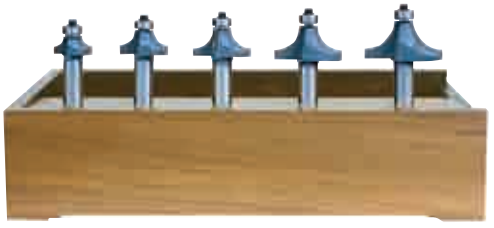
1/8" Corner Round | 1/8" Bead | 3/16" Corner Round | 3/16" Bead | 1/4" Corner Round | 1/4" Bead | 3/8" Corner Round | 3/8" Bead | 1/2" Corner Round | 1/2" Bead

CORNER ROUND BEADING SET

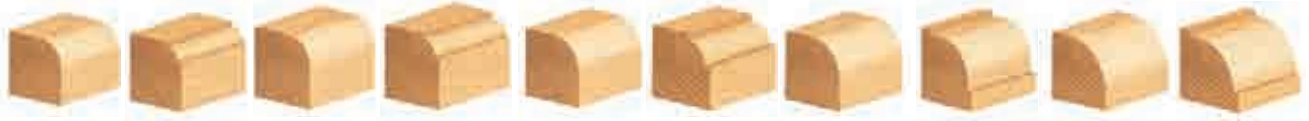
ORDER NO. AMS-555 - 2 FLUTE • 1/2" SHANK

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***