ROUTER BITS



IN-STILE & RAIL MISSION STYLE #55438 PAGE 88

















Solid Surface

MAX 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.



ØD	В	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

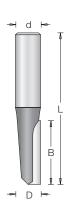


*Specifically designed for air powered routers as used in the boat manufacturing industry.

1/2" SHANK • SINGLE FLUTE

ØD	В	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























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.

		<u> </u>		<u></u>	
	ØD	В	Tool No.	Ød	L
Jew	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
Je <u>w</u>	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
lew	3/8	1	45218\$	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
Jew	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



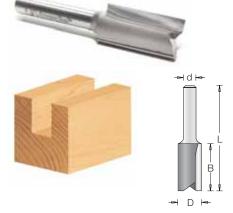
Not guaranteed due to extremely small diameter. Not guaranteed due to extreme length.
 With solid carbide cutting edge. Replacement Knife #AMA-30 (tool #RC-45226 - single flute).

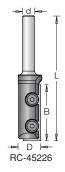
STRAIGHT PLUNGE

3/8" SHANK • 2 FLUTE

011711111				
ØD	В	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
	ØD 3/8 3/8 3/8	ØD B 3/8 1-1/4 3/8 1 3/8 1-1/4 1/2 1	ØD B Tool No. 3/8 1-1/4 45400 3/8 1 45402 3/8 1-1/4 45404 1/2 1 45406	ØD B Tool No. Ød 3/8 1-1/4 45400 3/8 3/8 1 45402 3/8 3/8 1-1/4 45404 3/8 1/2 1 45406 3/8



























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STRAIGHT PLUNGE



	1/4	3/4	~ 45408	1/2	2-1/2
Jew	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
	11	1-1/4	45448	1/2	2-7/8
<u> </u>	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.























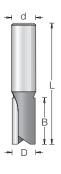
LEFT HAND PLUNGE

1/2" SHANK • 2 FLUTE

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

	ØD	В	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.	В	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

^{* 14}mm bits for cutting plastic pilaster.

1/2" SHANK • 2 FLUTE • METRIC SIZE

	Actual				
ØD	Plywood Thickness	Tool No.	В	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

^{* 14}mm bits for cutting plastic pilaster.

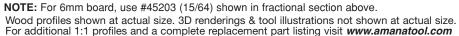
NOTE: Many standard metric plunge bits from 3mm through 51mm are available on special order. Please allow 2 to 3 weeks for delivery. See above for metric sized plywood bits. NOTE: For 6mm board, use #45203 (15/64) shown in fractional section below and on page 3.

UNDERSIZED PLYWOOD DADO

2 FLUTE • STRAIGHT PLUNGE FRACTIONAL SIZES

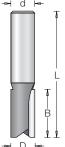
Cut dado's and grooves dimensioned perfectly for plywood, flakeboard and other sheet materials for which standard size bits are too large.

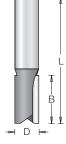
	Actual				,
ØD	Plywood Thickness	Tool No.	В	Ød	L
15/64	1/4 minus 1/64 (6.0mm)	45203	3/4	1/4	2
7/32	1/4 minus 1/32	45206	3/4	1/4	2
15/32	1/2 minus 1/32	45223	3/4	1/4	2
15/32	1/2 minus 1/32	45425	1-1/4	1/2	2-7/8
31/64	1/2 minus 1/64	45235	3/4	1/4	2-1/4
31/64	1/2 minus 1/64	45237	1	1/2	2-5/8
19/32	5/8 minus 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



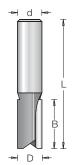






























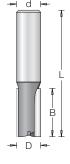
SUPER PLUNGE™ WITH CENTER CARBIDE TIP

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.

ØD	В	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



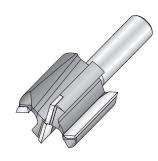




AGGRESSIVE PLUNGE DESIGN

	ØD	В	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





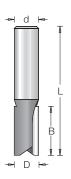
PRODUCTION PLUNGE W/10° HOOK

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	В	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	В	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	В	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



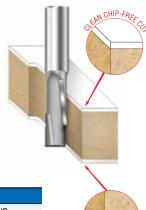


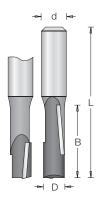
OPPOSITE-SHEAR STAGGERED TOOTH

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





















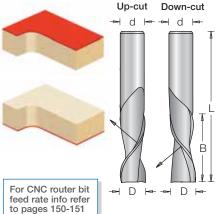


2 FLUTE

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 handheld and table-mounted portable routers.

	ØD	В	'Up-Cut'	'Down-Cut'	Ød	ı
	1/8	1/2	Tool No. 46100	Tool No. 46200	1/4	2
			46310			
	5/32	5/8		46410	1/4	2-1/2
	3/16	3/4 1	46101 46314	46201	1/4	
	7/32	·		46414	1/4	2-1/2
Ja	1/4	3/4	46102	46202	1/4	2-1/2
Vew_	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

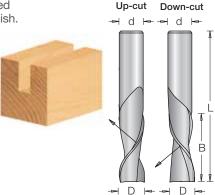


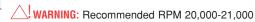
SPIRAL FLUTE PLUNGE SOLID CARBIDE FOR **SOLID WOOD**

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.

			'Up-cut'	'Down-cut'		
	ØD	В	Tool No.	Tool No.	Ød	L
	1/8	1/2	46241	46341	1/4	2
	5/32	5/8	46243	46343	1/4	2-1/2
	3/16	3/4	46245	46345	1/4	2
	7/32	1	46247	46347	1/4	2-1/2
	1/4	3/4	46249	46349	1/4	2-1/2
Ne	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























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	В	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

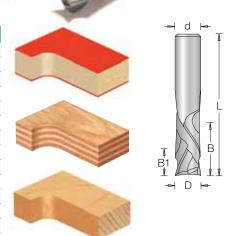
These tools have a much shorter up-cut section than the standard compression tools. They are ideal for mortising, grooving and dado.

	ØD	В	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
Ne	ω 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

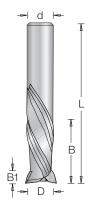
Solid carbide compression spiral bits are designed for CNC applications requiring high feed rates & a clean finish. Particularly suitable for double-sided melamine or laminated material. Special unique carbide for longer lifetime in abrasive material.

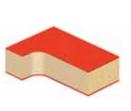
ØD	В	Tool No.	Ød	L
1/4	7/8	46140	1/4	2-1/2
3/8	7/8	46142	3/8	3
3/8	1	46144	1/2	3
3/8	1-1/8	46148	1/2	3
1/2	7/8	46150	1/2	3
1/2	1	46152	1/2	3
1/2	1-1/8	46156	1/2	3
1/2	1-1/4	46159	1/2	3
1/2	1-5/8	46160	1/2	3-1/2
5/8	2	46164	5/8	4
3/4	2	46168	3/4	4

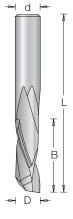


































Solid Surface

COMPRESSION SOLID CARBIDE SPIRAL FOR SOLID WOOD

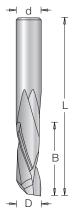
SINGLE FLUTE

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	В	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



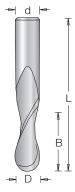
BALL NOSE SOLID CARBIDE UP-CUT SPIRALS

2 FLUTE

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

ØD	В	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

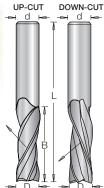
3 FLUTE

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

ØD	В	'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

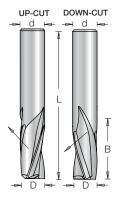


3 FLUTE

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	В	'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

























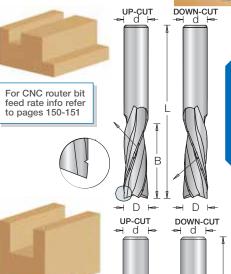


SPIRAL ROUGHING SOLID CARBIDE W/CHIPBREAKER

3 FLUTE

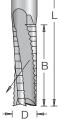
This series has a small chipbreaker therefore the quality of cut will improve. It will leave smaller striated finish than the following series for massive wood.

ØD	В	'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









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.

SOLID CARBIDE SPIRAL ROUGHING W/CHIPBREAKER

		'Up-cut'	'Down-cut'		
ØD	В	Tool No.	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

SOLID CARBIDE STRAIGHT PLUNGE

SINGLE FLUTE & 2 FLUTE

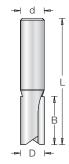
For high volume, high speed cutting in dense natural woods and abrasive wood composites, use solid carbide bits. Solid carbide dissipates heat more uniformly, extending tool life. Single flute bits cut faster, with better chip clearance. Two-flute bits cut more slowly, but leave a smooth finish.

ØD	В	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

















250

D=Ø1/4"













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.

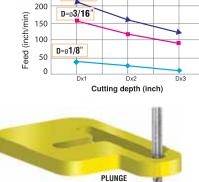
For SUPER CLEAN CUTS IN:

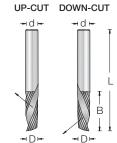
- Plastic Solid surface materials
- Wood Foam board

 The most popular design

The most popular design. Fits most CNC machines.

- Right Hand Helix
- Right Hand Cut





SINGLE FLUTE

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



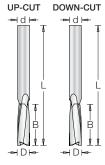
SOLID CARBIDE ACRYLIC 'O' FLUTE SLOW SPIRAL New

EDGE CONTOUR

UP-CUT & DOWN-CUT • 2 FLUTE

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

ØD	В	'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	В	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





















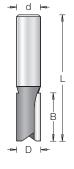
PLASTIC CUTTING CARBIDE TIPPED

SINGLE '0' FLUTE & DOUBLE FLUTE

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

ØD	В	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





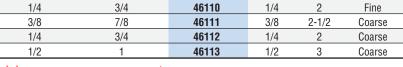
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ABRASIVE TYPE PLUNGE DIAMOND PATTERN **SOLID CARBIDE**

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	В	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)

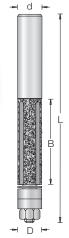
FIBERGLASS & CARBONFIBER MATERIAL **FLUSH TRIM SOLID CARBIDE**

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

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

Replacement Bearing #47706 (2) Replacement Nut #67086



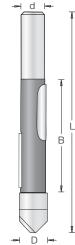


STAGGER TOOTH PANEL PILOT WITH PLUNGE POINT

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	В	Tool No.	Ød	L	
5/8	2-1/4	45520	1/2	4-3/4	



















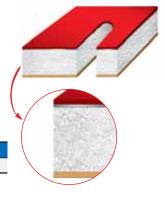


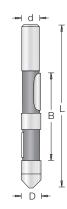
Solid Surface

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	В	Tool No.	Ød	L	
3/8	1-25/32	45524	3/8	3-5/8	



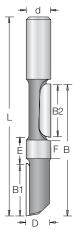


STAGGER TOOTH PLUNGE PANEL WITH CENTER PILOT

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	В	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.

	ØD	В	Tool No.	Ød	L
	1/4	1	51300	1/4	2-1/4
	3/8	1-3/8	51302	3/8	3
	3/8	1-1/2	51304	1/2	3-1/8
	1/2	1-1/2	51306	1/2	3-1/8
	1/2	1-3/4	51307	1/2	3-1/4
	1/2	2	51308	1/2	4-1/4
	1/2	2-1/8	51309	1/2	4-1/4
	1/2	2-1/4	51310	1/2	4-1/2
	1/2	2-1/2	51311	1/2	4-1/2
	1/2	2-5/8	51313	1/2	4-3/4
Ne	ω 1/2	2-5/8	51327	1/2	5
Ne	w 1/2	2-5/8	51323	1/2	5-1/2
	5/8	2	51315	1/2	4

D H 51325

EXTRA LONG 3 BLADE STAGGER

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





















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.



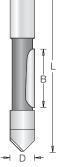


CONCAVE FLUTED



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







2 FLUTE

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

ØD	В	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



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H d ⊢

HIGH SPEED STEEL PANEL PILOT (HSS)



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



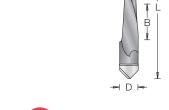
ØD	В	Tool No.	Ød	L	
1/4	5/8	HSS11004	1/4	2-3/4	
3/8	3/4	HSS11002	3/8	3-1/8	
1/2	1	HSS11006	1/2	3-1/2	

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	В	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	



















Solid Surface

ALUMINUM SPIRAL SOLID CARBIDE



SINGLE 'O' FLUTE UPCUT/DOWNCUT

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.

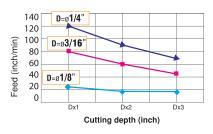


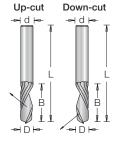


PERFECT FOR:

- Aluminum
- Brass
- CopperNon-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	В	'Up-Cut' Tool No.	'Down-Cut' Tool No.	Ød	L
1/8	5/16	51406	51506	1/8	1-1/2
3/16	1/2	51408	51508	1/4	2
1/4	5/8	51402	51502	1/4	2



Please note: For aluminum cutting please lubricate.

The recommended feed rate for Aluminum is 3 M/min or 120 inch/min at 18,000 RPM.

3° PATTERNMAKERS

2 FLUTE

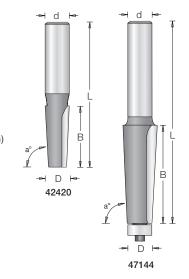
This slightly tapered bit is specifically designed for wood patternmaking, especially wood vacuum-forming molds where draft (3° taper) is required for releasing the styrene or other plastic from the mold. It can be used to bevel the leading edge on a door.



Vacuum-forming mold (wooden)

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

Replacement bearing #47706 for tool #47144

























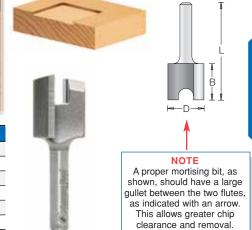
MORTISING

2 FLUTE

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



~=					
ØD	В	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	



MORTISING CUTTERS

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

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

ØD	Tool No.	В	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	Α	В	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

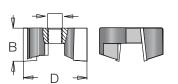
2 FLUTE

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

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nes.	Cut Deep Mortises			B1
Ød	L		\bigvee	
1/2	6			
1/2	6-5/8			T

ØD	В	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

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



⊶d H

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

















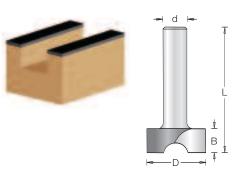


MORTISING

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	В	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

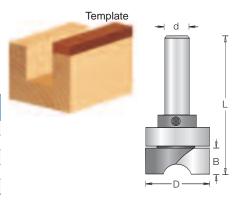


MORTISING WITH UPPER BALL BEARING

DOWN-SHEAR DESIGN • 2 FLUTE

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

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



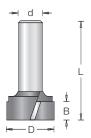
MORTISING BIT FOR BOTTOM CLEANING

UP-SHEAR DESIGN • 2 FLUTE

This bit is intended for broad, very shallow cuts, where an exceptional finish is desired. Use it to clean up previously cut dadoes and grooves, or for surfacing cuts. The up-shear configuration improves chip removal, while the cutting-edge orientation produces a smooth surface.

ØD	В	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



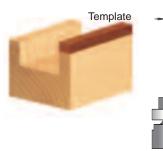


MORTISING BIT FOR BOTTOM CLEANING WITH UPPER BALL BEARING

UP-SHEAR DESIGN • 2 FLUTE

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

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

























FLUSH TRIM PLUNGE TEMPLATE WITH UPPER BALL BEARING

2 FLUTE

This bit is essentially a plunge-cutting straight with a shank-mounted ballbearing 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.

1/4" SHANK

						Replacement		
	ØD	В	Ød	Tool No.	L	Bearing	Collar	
Ve <u>w</u>	3/8	1/2	1/4	†45475	2	47701(2)	47724	
	1/2	3/8	1/4	* 45481	2-1/4	47701	47724	
Jew	1/2	1/2	1/4	45487	2-1/2	47701	47724	
Jew	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

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

1/2" SHANK

						Replace	ement
	ØD	В	Ød	Tool No.	L	Bearing	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
IVE <u>IU</u>	1 1/0		1/2	7000 i	7	71100	71170

* 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.

WARNING: Maximum RPM 20 = 20,000

WITH OVERSIZED UPPER BALL BEARING

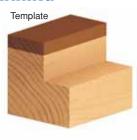
2 FLUTE

For template use with specificied jigs.

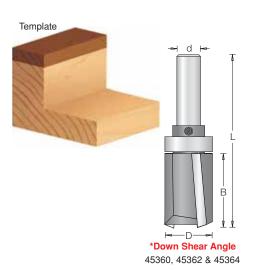
						Repl.	
ØD	В	Ød	L	A	Tool No.	Bearing	Jigs
5/16	3/4	1/4	2-3/4	3/32	45495	47701	Porter Cable Morten™,
							Morten &Tenon, Omnijig®
1/2	1/4	1/4	1-7/8	1/8	45496	47714	Hinge-Mate™ II Template
9/16	3/4	1/4	2-1/4	1/32	45497	47712	Keller Box Joint

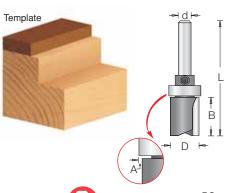
Replacement collar #47724.

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



























Solid

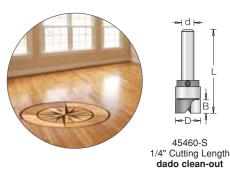
DADO CLEAN-OUT

2 FLUTE • 1/4" SHANK

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

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

[†] Double Bearing



DOWN-SHEAR MULTI TRIMMER



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.

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

INSERT CARBIDE FLUSH TRIM TEMPLATE WITH UPPER BALL BEARING

2 FLUTE

Insert carbide is the economical way to go. Each knife has two edges; saves down time. We have three different grades of carbide for various applications, such as: hard/softwood, MDF, solid surface, chip board and plywood.

	ØD	В	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.

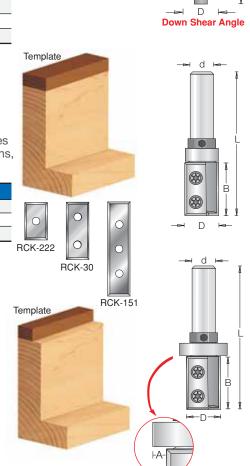
Replacement bearing #47721 Replacement collar #47739

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.





















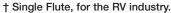
FLUSH TRIM WITH BALL BEARING GUIDE

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	В	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&}quot; 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).



Replacement Knife #RCK-262 (2 Required)

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

3 FLUTE

	ØD	В	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.

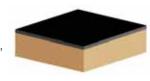
For a super-smooth cut finish, use a four-flute bit. Feed rate is reduced, and chipping is virtually eliminated.

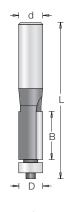
4 FLUTE

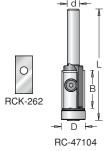
ØD	В	Tool No.	Ød	L
3/4	1	57184	1/2	3
3/4	1-1/2	57185	1/2	4
3/4	2	57186	1/2	4-1/2

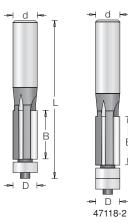
Standard replacement bearing (steel) use #47714.

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































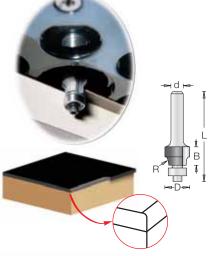
NO-FILE™ WITH BALL BEARING GUIDE

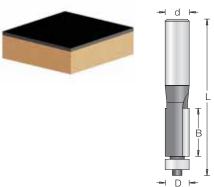
2 FLUTE • US PATENT NO. 4,669,923

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

ØD	В	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	В	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	В	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.

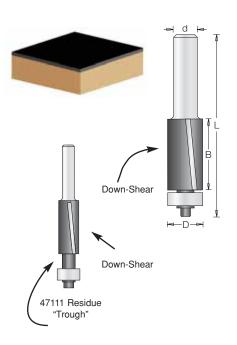
DYNABIT™ LAMINATE TRIM W/BALL BEARING GUIDE

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	В	Ød	L	Tool No.	Туре	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

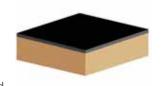
2 FLUTE

For exceptional cutting speed, coupled with a super-fine finish, use these large-diameter flush trim bits on a standard router. Available in either upshear or down-shear. Especially suitable for solid surface material when used with optional #47709 Delrin® bearing. Furnished with steel bearing #47714.

ØD	a°	В	Tool No.	Ød	L	Туре
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.





Artwork illustrates up-shear design.

ULTRATRIM™ SOLID CARBIDE SPIRAL TRIM

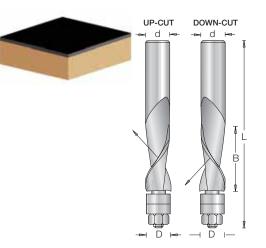
2 FLUTE WITH DOUBLE BALL BEARING GUIDES

For the ultimate, chip-free finish in laminate, melamine, solid surface and fragile veneers, and for <u>template</u> work of all kinds. The twin ball-bearing pilot enhances the stability of the tool. Available in 'up-cut' and 'down-cut' spirals.

ØD	В	'Up-cut' Tool No.	'Down-cut' Tool No.	Ød	L
1/2	1-1/4	46300	46400 Ne	ω 1/2	3-3/4
1/2	2	46304	46404 Ne	w 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.



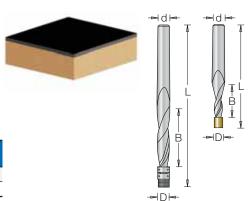
ULTRATRIM™ SOLID CARBIDE SPIRAL TRIM

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	В	'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







new design













Solid

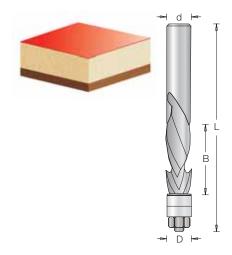
Rabbeting **Profiling** Grooving **Jointing**



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	В	Tool No.	Ød	L	
1/2	1-1/4	46192	1/2	3-3/4	

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



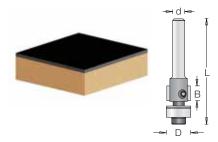
ECONOMY INSERT FLUSH TRIM

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.

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

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





INSERT FLUSH TRIM

2 FLUTE WITH BALL BEARING GUIDE

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

					Replacement
ØD	В	Tool No.	Ød	L	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.

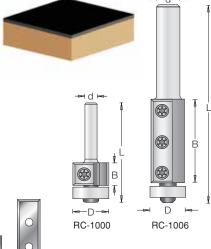
Torx® key included - #5005. Replacement bearing #47711 Replacement knife screws #67115 Replacement bearing screws #67176.











AMA-12 ICK-30 RCK-151

















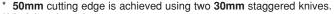




INSERT STRAIGHT

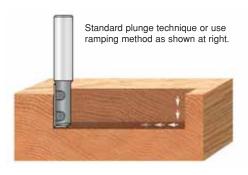
SINGLE FLUTE & 2 FLUTE

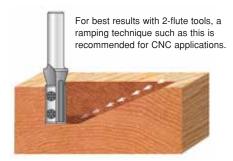
	ØD	В	Ød	L	Tool No.	Flutes	Repl. Knives	Repl. Screws
	1/2	30mm	1/2	3	RC-1154	1	AMA-30	67117
Nen	1/2	30mm	1/2	3	** RC-1154-LH	1	AMA-30	67117
	5/8	30mm	1/2	3-3/8	RC-1156	1	RCK-30	67117
	5/8	50mm	1/2	4-1/8	RC-1158	1	RCK-50	67117
	3/4	30mm	1/2	3-3/8	RC-1160	1	RCK-30	67117
	3/4	50mm	1/2	4-1/8	RC-1162	1	RCK-50	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
*	E0	· outting o	daoio	achieved u	aina twa 20mm a	toward la	211100	



^{**} 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.











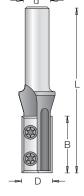
AMA-30







INSERT PLUNGE BIT (1-Flute)



RC-1080 INSERT STRAIGHT BIT (2-Flute)

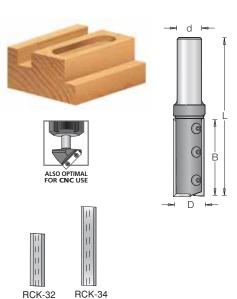
INSERT STRAIGHT

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	В	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.











AMA-12









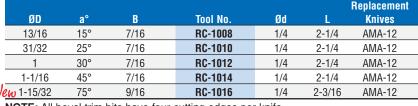
Solid

INSERT BEVEL TRIM™

2 FLUTE WITH BALL BEARING GUIDE

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

							Replacement
	ØD	a°	В	Tool No.	Ød	L	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
Ne	2w 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

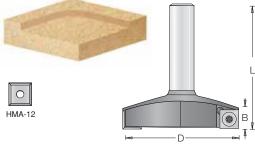
2 WINGS

2 FLUTE

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

					Replacement
ØD	В	Tool No.	Ød	L	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

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

						Replacement
	ØD	В	Tool No.	Ød	L	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.

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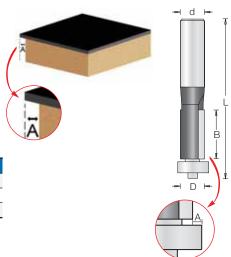
'OVERHANG' TRIM WITH BALL BEARING GUIDE

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	В	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.

























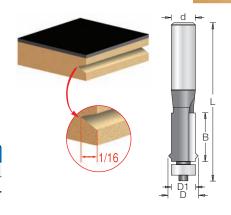
FLUSH TRIM 'V' GROOVE WITH BALL BEARING GUIDE

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	В	Tool No.	Ød	L	
5/8	1/2	1	47160	1/4	2-1/2	
5/8	1/2	1	47162	1/2	3	

Replacement bearing: #47706.



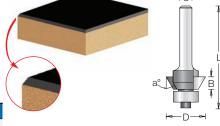
BEVEL TRIM WITH BALL BEARING GUIDE

2 FLUTE

This is a steel-bodied, carbide-tipped bit for bevel trimming laminate with a standard router. The solid construction reduces vibration for the smoothest cut possible with a two-flute bit.

ØD	a°	Tool No.	В	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.	В	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

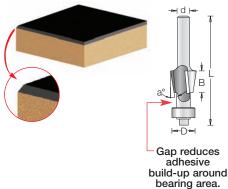
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SPECIAL BEVEL TRIM WITH BALL BEARING GUIDE 2 FLUTE

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.	В	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.























Plulige & BEVELING

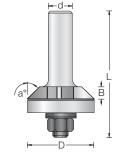
45° LAMINATE MITER JOINT UNDER-CUT ASSEMBLY 4 WING WITH 'ULTRA-GLIDE'™ BALL BEARING ASSEMBLY

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.	В	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°.
- 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.	В	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°	В	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

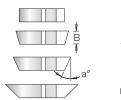
I-d-i B_T i B_T i B_T

4 WING CUTTERS ONLY

Cutters for the above assembly are available separately.

ØD	a°	В	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.

























Profiling Rabbeting **Jointing** Door Making Solid Surface Grooving

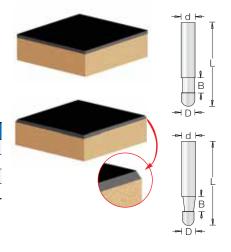
PANEL PILOT SOLID CARBIDE

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	В	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.



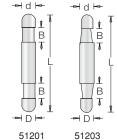
DOUBLE END PANEL PILOT SOLID CARBIDE

SINGLE FLUTE

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



-	20 to recently leading	

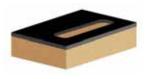


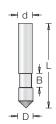
ØD	В	Tool No.	Ød	L	Type of Cut
1/4	1/4	51201	1/4	2	Flush
1/4	1/4	51203	1/4	2	7° Bevel

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 quide the trimming cut.

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



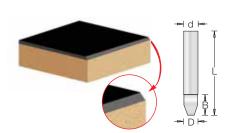


COMBINATION FLUSH AND BEVEL TRIMMER **SOLID CARBIDE**

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	В	Tool No.	Ød	L	
1/4	3/8	51706	1/4	1-1/2	



















Solid Surface

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	В	Tool No.	Ød	L	
1/4	5/16	51708	1/4	1-1/2	





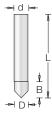
'V' GROOVING SOLID CARBIDE

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	В	Tool No.	Ød	L	
1/4	1/4	51710	1/4	1-1/2	





VEINING SOLID CARBIDE

SINGLE FLUTE

Rout fine-line designs in laminate-covered and wooden surfaces with this bit, designed specifically for use in a laminate trimmer. It produces a roundbottomed 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	В	Tool No.	Ød	L	
1/8	1/2	43813	1/4	2-1/4	





























WEATHERSEAL PROFILE

SINGLE FLUTE

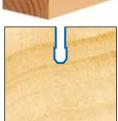
This bit is used to re-groove door and window frames to allow for insulating inserts to block wind and drafts.

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









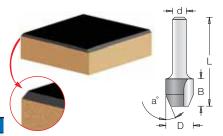


COMBINATION BEVEL AND FLUSH TRIM

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

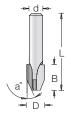
ØD	a°	В	Tool No.	Ød	L
1/2	23°	1/2	51100	1/4	1-3/4
1/2	30°	1/2	51102	1/4	1-3/4



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

2 FLUTE

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



SINGLE FLUTE

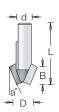
ØD	a°	В	Tool No.	Ød	L
11/32	25°	1/2	51500	1/4	15/16



BEVEL TRIM

2 FLUTE

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

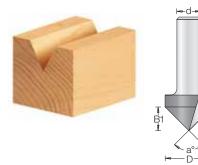
NOTE: 90° 'V' Groove bits are for decorative purposes and are not intended

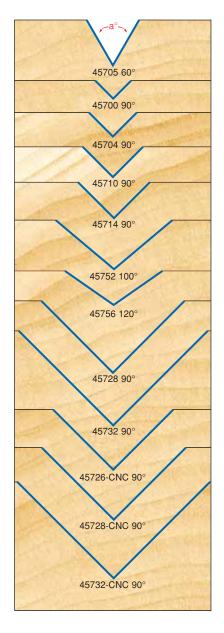
for 'miter-folding', etc. † 2 flute 60° 'V' Groove bit designed for lettering, signmaking and decorative work.

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.





















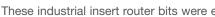








'V' GROOVE & SIGNMAKING "MITER FOLD" INSERT New 1/2" SHANK



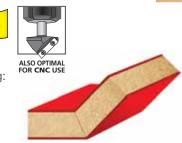
These industrial insert router bits were especially designed for applications including:

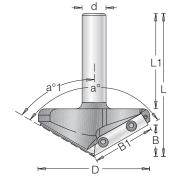
- Miter Folds "create the perfect joint"
- Signmaking and Lettering

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 holddowns 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.

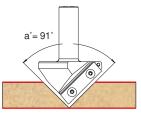














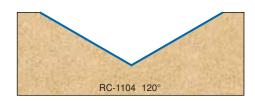
RC-1102

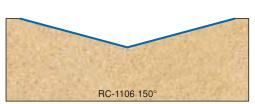
RC-1045

22.5° RC-1045

RC-1100

_													
	ØD	a°	a°1	В	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







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





Trimming & Beveling















CORE BOX AND 'V' GROOVE WITH UPPER BALL BEARING

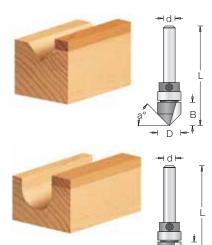
2 FLUTE

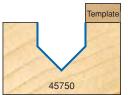
Designed for fluting and 'V' grooving cuts guided by a template or pattern. The shank-mounted ball-bearing pilot rides along the template edge, and the cutter duplicates the template contour in the workpiece. With a handheld router, the template must be on top of the workpiece. With a table-mounted router,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

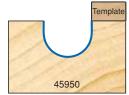
ØD	a°	R	В	Tool No.	Ød	L	Туре
1/2	90°	-	1/2	* 45750	1/4	2	'V' Groove
1/2	-	1/4	3/8	45950	1/4	2	Core Box

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

for 'miter-folding', etc.







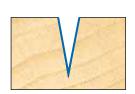
CARVING LINER SOLID CARBIDE

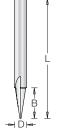


SINGLE FLUTE

For extra-fine carving and lettering details.

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



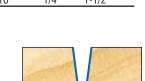


CARVING/ENGRAVING SOLID CARBIDE

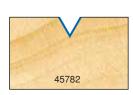
2 FLUTE

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

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



45780

























SIGNMAKING AND LETTERING **SOLID CARBIDE CUTTING HEAD**

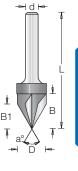
3 FLUTE

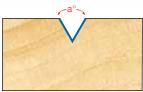
Originally developed in Europe specifically for professional signmakers, this 3-flute, solid-carbide bit features an extra-fine 60° point that produces a clean, precise cut. For those intricate lines, this bit is superior to standard 'V' groover. Makes crisp, clean cuts in solid woods, MDF and acrylics.

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

^{*}For optimal use with acrylics.







BOTTOM ROUND

2 FLUTE

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

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



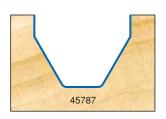


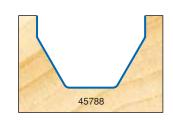
LETTERING 60° ANGLE

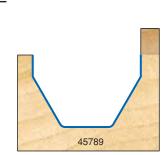
Designed for routing signs. The 60° cutting angle expels excess material quickly and eliminates chipping and splintering. For use in hardwood, softwood, plywood and composition material.

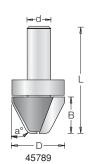
ØD	a°	Tool No.	В	Ød	L	
1	60°	45787	3/4	1/4	2-1/2	
1-1/8	60°	45788	3/4	1/2	2-3/4	
1-1/8	60°	÷45789	3/4	1/2	2-3/4	

- ◆Replacement bearing #47738.
- ◆Replacement collar #47740.









45788

Ro

Router Bits



Trimming & Beveling















d ⊢

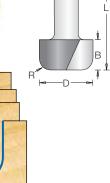
Solid Surface

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.	В	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

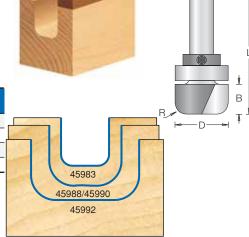




BOWL & TRAY WITH UPPER BALL BEARING 2 FLUTE

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

							Replacement		
	ØD	R	В	Ød	Tool No.	L	Bearing	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	
Ξ	1-1/8	1/4	5/8	1/2	45992	2-5/8	47738	47740	



BALL END

2 FLUTE

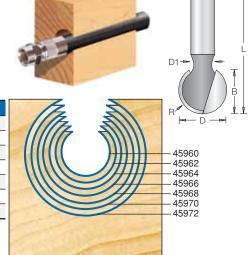
for NEW ball end insert router bits.

See page 127

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.	В	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.





















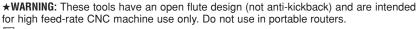


CORE BOX

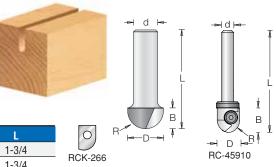
2 FLUTE

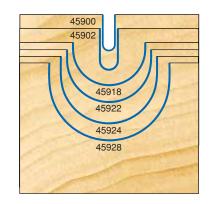
Cut half-round grooves for fluted moldings, columns, millwork and signs using a core box bit. Used with an edge guide, it can cut coves. Can be used with handheld, table-mounted and CNC routers.

	ØD	R	Tool No.	В	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	O 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



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





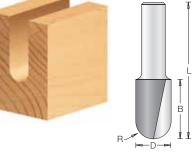


ELONGATED CORE BOX

2 FLUTE • EXTRA DEEP

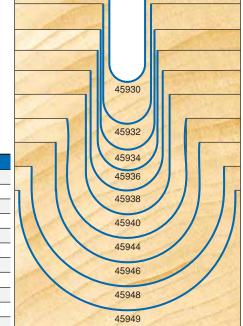
Cut much deeper flutes than possible with a regular core box bit.





ØD	R	Tool No.	В	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

ØD

3/4

.615

7/8

1

1-3/8

2

14 1-3/4

<u>/14</u> 1-3/8

14 1-3/4

ØD1

.240

R

Router Bits



Straight Plunge













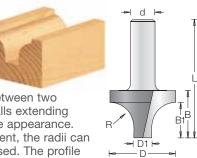




Solid Surface

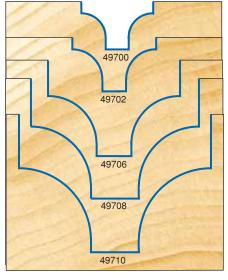
ROUND OVER GROOVE 2 FLUTE

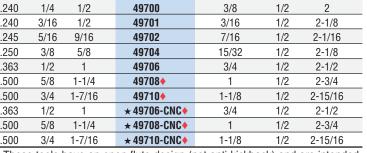
This bit creates a flat-bottom groove between two quarter-round shapes. Short vertical walls extending below the radius lend extra depth to the appearance. Depending upon the cut depth adjustment, the radii can be flush with the work surface or recessed. The profile can be formed on an edge using an edge guide or, on the router table using a fence.

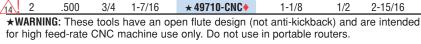


Ød

B1







Tool No.

49700



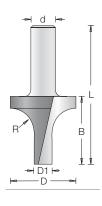
ROUND OVER GROOVE -ELONGATED PLUNGE

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.



		49720	
L	the state of	49722	
1/2	//		27,12
3/8			
3		49724	



ØD	ØD1	R	Tool No.	В	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

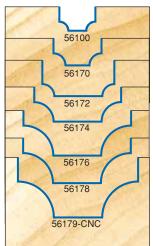
BEADING GROOVE

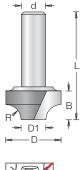
2 FLUTE

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.

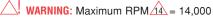
The state of the s	
N 100	
MANAGEMENT	

	ØD	ØD1	R	Tool No.	В	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
<u>/1</u>	1-1/8	1/2	5/16	56176♦	9/16	1/4	2-3/8
1	4.1-1/8	1/2	5/16	56178♦	9/16	1/2	2-3/4
leu	1-1/4	1/2	3/8	56179-CNC	5/8	1/2	2-9/16



























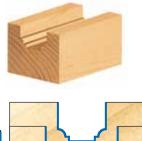


TRADITIONAL GROOVE

2 FLUTE

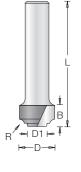
The "traditional" profile is similar to the beading, but it is more delicate and includes a step between the quarter-round and the flat bottom to the groove. Use it for routing decorative details on solid wood surfaces.

ØD	ØD1	R	Tool No.	В	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



56102

56104/56106



d

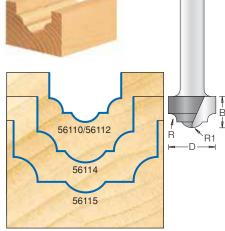
→ d →

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.	В	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 tablemounted router. Not for use in a hand held router!

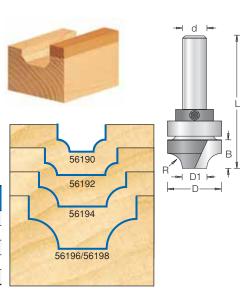
BEAD GROOVE WITH UPPER BALL BEARING

2 FLUTE

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

					Replacement				
ØD	ØD1	R	В	Tool No.	Ød	L	Bearing	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.





Trimming & Beveling















OGEE GROOVE

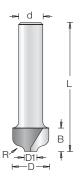
2 FLUTE

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

ØD	ØD1	R	Tool No.	В	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







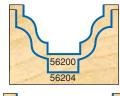
OGEE GROOVE

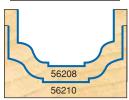
2 FLUTE

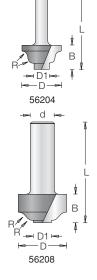
This bit is similar to the above, but forms a flat-bottom groove with a reverse ogee and step profile for the shoulders.

ØD	ØD1	R	Tool No.	В	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









d

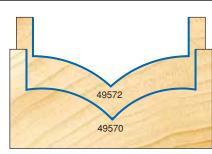
ROUND OVER GROOVE

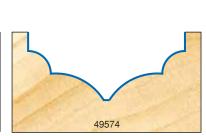
2 FLUTE

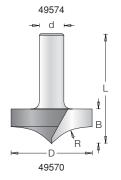
Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router. Form edges using an edge guide.

ØD	R	R1	Tool No.	В	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









В



















d ⊢

ROUND & OGEE GROOVE

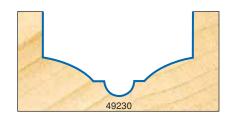
2 FLUTE

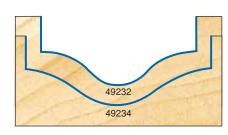
Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router. Form edges using an edge guide.

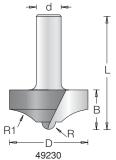
ØD	R	R1	Tool No.	В	Ød	L
1-9/16	5/32	7/8	49230	7/8	1/2	2-9/32
1-5/8	3/8	3/4	49232	23/32	1/2	2-3/16
1-31/32	5/8	1-3/16	49234	23/32	1/2	2-3/16

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.









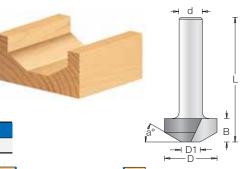
49232

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.	В	Ød	L
1-1/8	.454	30°	56116	1/2	1/2	2-3/4





RAISED PANEL GROOVE

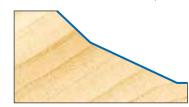
2 FLUTE

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

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









⊣D1⊢



Trimming & Beveling













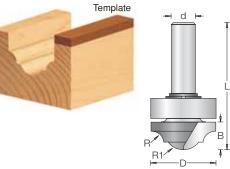
Solid Surface

CLASSICAL GROOVE WITH BALL BEARING GUIDE 2 FLUTE

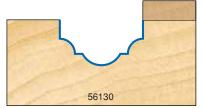
Rout decorative grooves on solid wood or MDF panels and surfaces with a handheld or CNC router. Form edges with a hand router equipped with an edge guide or on a router table. Shank-mounted bearing allows cuts to be guided by a template mounted atop the workpiece.

ØD	R	R1	Tool No.	В	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	

cuts	0.0
L	
2	
2-5/8	



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





Template

d

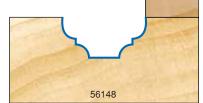
⊢D1-I

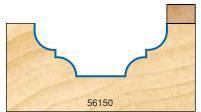
CLASSICAL GROOVE WITH BALL BEARING GUIDE 2 FLUTE

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.	В	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	

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

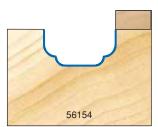


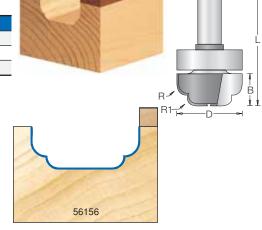


CLASSICAL GROOVE WITH BALL BEARING GUIDE 2 FLUTE

ØD	R	R1	Tool No.	В	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	

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





Template



















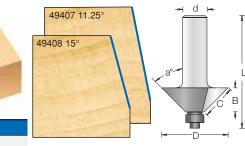


CHAMFER WITH BALL BEARING GUIDE

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.





	ď	עש	Б	IOOI NO.	U	Юu		
	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	
4	8 45°	2-3/8	1	† 49406 ♦	1-3/8	1/2	2-7/8	
1	6 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	
1	60°	2-1/2	11/16	49416 🔷	1-1/8	1/2	2-3/4	
	Replaceme	nt bearing	s: #'s 49400.	49402 & 49412	use #47704.			

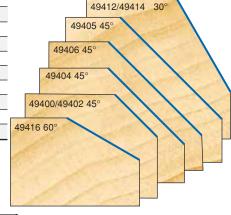
#49405 use #47710. All other tools use #47706.

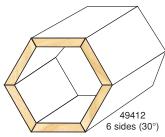
NOTES:* 49404 will completely chamfer 3/4" material.

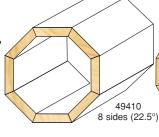
† 49406 will completely chamfer 1" material. **WARNING:** Maximum RPM 16 = 16,000 18 = 18,000

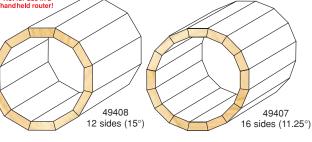












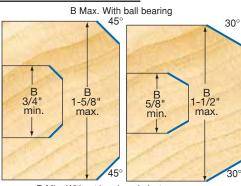
VARIABLE DOUBLE CHAMFER ASSEMBLY WITH BALL BEARING GUIDE

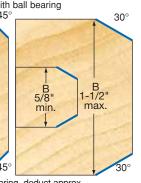
3-WING

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 F	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)





BOTTOM mounted router

В

TOP **⊣** d **⊢**

1B1

⁾B1

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



















TOP

BOTTOM

d ⊢

Solid Surface

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	В	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.















3-WING

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

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

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





TOP d 1 **BOTTOM**



















d



RC-49504

RCK-272

49492 49496 &RC-49496

49515 49516 49517 49519 49520

49498 49500 49504 & RC-49504

49508 49512

49524 49526

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.

		· ,				
	ØD	R	Tool No.	В	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	P 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
*No	t quarar	steed due to extreme dia	meter and radius	For hest re	culte it is	

*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.

WARNING: Maximum RPM 10 = 10,000; 14 = 14,000Replacement Knife #RCK-268 (2 Required)

PReplacement Knife #RCK-272 (2 Required)



NO-FILE ROUNDING OVER WITH FILLET WITH BALL BEARING GUIDE

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.	В	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



⊶d h

















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.	В	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.



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	Α	R	Tool No.	ØD1	В	Ød	L	
	1-5/8	1	1/2	57190	58	3/4	1/2	2-3/4	
	2-1/8	1-1/2	3/4	57192	5/8	1	1/2	3	
49	2-5/8	2	1	57194♦	5/8	1-1/4	1/2	3-3/16	

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

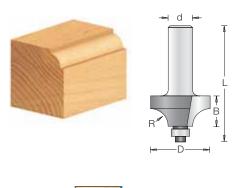
Ultra-Glide™ replacement bearing #47768 for #57192.

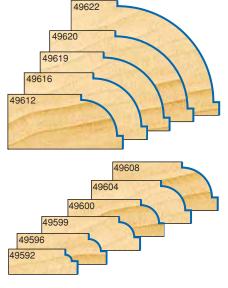
Ultra-Glide™ replacement bearing #47769 for #57194.

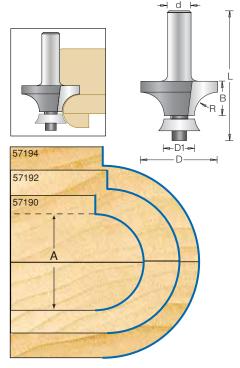


WARNING: Maximum RPM 18 = 18,000



























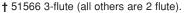


BULLNOSE

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	В		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	1	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



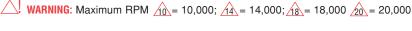
^{*&#}x27;M' denotes thickness of material on which a full 180° roundover can be accomplished.

★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



BULLNOSE WITH BALL BEARING GUIDE

2 FLUTE

	*'M'	R	В	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
15	1	1/2	1-19/32	51574	1-13/16	1/2	3-1/2
/12	1-1/4	5/8	2	51576♦	2	1/2	3-7/8

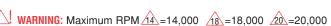
Very useful for template or pattern routing. Ball bearing is the same size as the small diameter of the tool and rides against the template for an exact duplication.

Replacement Bearings:

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

Tool #'s 51572 use #47716.

Tool #'s 51574 & 51576 use #47714.

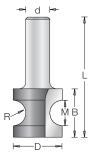




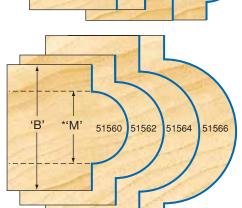
51542

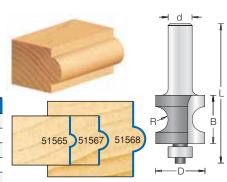
51544

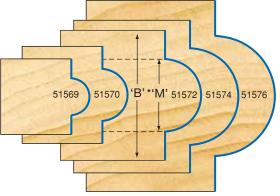
51546



51558 51559









^{*&#}x27;M' denotes thickness of material on which a full 180° roundover can be accomplished.



















Solid

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.

	ØD	R	Tool No.	В	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
Vew	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)

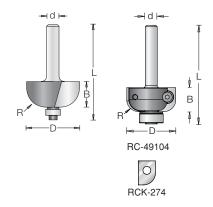
WARNING: Maximum RPM $\frac{12}{12}$ = 12,000; $\frac{18}{18}$ = 18,000

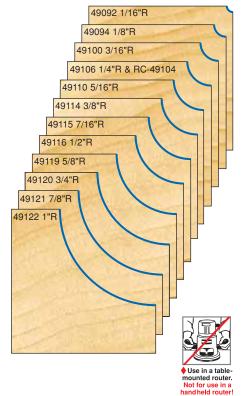
CLASSICAL COVE WITH BALL BEARING GUIDE 2 FLUTE

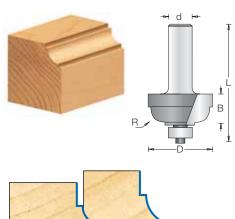
A cove flanked by step fillets, a classical project used in period moldings, is produced by this tool. Use in either handheld or table-mounted routers.

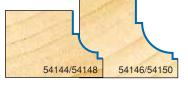
ØD	R	Tool No.	В	Ød	L
1-1/8	3/16	54144	1/2	1/4	2
1-3/8	5/16	54146	5/8	1/4	2-1/8
1-1/8	3/16	54148	1/2	1/2	2-3/8
1-3/8	5/16	54150	5/8	1/2	2-1/2

Replacement bearing #47706.





























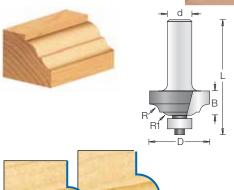
CLASSICAL BEAD & COVE W/BALL BEARING GUIDE

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.	В	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 tablemounted routers. Largest diameter bits should be run at reduced speed.

	ØD	R	R1	Tool No.	В	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

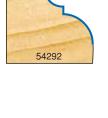


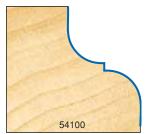
- A Standard 1/2" bearing #47706 (Included).
- B Optional 3/8" bearing #47702 (Order separately).



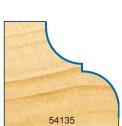




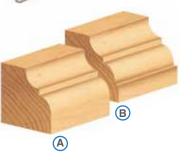


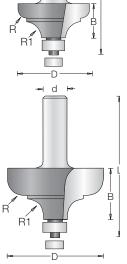












d ⊢



BODY TYPE A

For Edge Form Routing

Carbide Knives

23 Profiles Available





Grooving











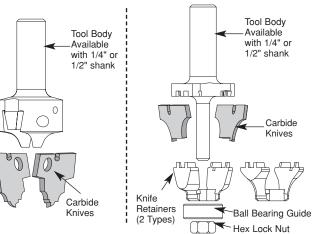


Solid



BODY TYPE B For Plunge Routing

6 Profiles Available



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 ØD В Tool No. 3/8" † NRC-B51 45° 1/4" 'V' GROOVE KNIVES, PAIR а° ØΠ Tool No. 30° † NRC-B52 1/2 3/8' CORE BOX KNIVES, PAIR R ØD Tool No. 1/4" 1/2" 3/8" †NRC-B53 **CORE BOX KNIVES. PAIR** R ØD В Tool No. New NRC-B56 3/8" 3/4" 3/8" **CORE BOX KNIVES. PAIR** R ØD В Tool No. NRC-B54 1/2" 1/2" **CLASSICAL KNIVES. PAIR** R ØD Tool No.

'B' FOR PLUNGE ROUTING

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.

3/4"

† These items also available in set form.

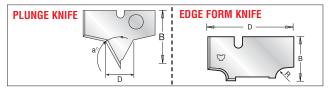
5/32"

Replacement knife retaining screws #67084 (2 required). Replacement hex key #5007.

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	'A' FOR	EDGE F	ORM RO	UTING
			Tool N	o. L
	Body 'A' 1	/4" Shank	† NS-1	04 3"
	Body 'A' 1	/2" Shank	† NS-1	06 3"
AVAILABLE I	KNIVES	FOR ED	GE FORM	N BODY
	CORNER	ROUND I	(NIVES, PAI	R
	R	ØD	В	Tool No.
-12-	1/4"	1-3/8"	11/16"	† NRC-A05
	CORNER	KNIVES,	PAIR	
	R	ØD	В	Tool No.
CHE ST	5/16"	1-3/8"	11/16"	NRC-A06
	CORNER		(NIVES, PAI	
	R	ØD	В	Tool No.
A. Carlo	3/8"	1-1/2"	11/16"	† NRC-A07
	BEADING	G KNIVES	, PAIR	
15 1	R	ØD	В	Tool No.
1100	3/16"	1-3/8"	11/16"	NRC-A08
	BEADING	3 KNIVES	, PAIR	
	R	ØD	В	Tool No.
1	1/4"	1-3/8"	11/16"	NRC-A09
	BEADIN	KNIVES	, PAIR	
	R	ØD	В	Tool No.
100	5/16"	1-1/2"	11/16"	† NRC-A10
	CHAMFE	R KNIVES	, PAIR	
	a°	ØD	В	Tool No.
	30°	1-3/8"	11/16"	† NRC-A01
		R KNIVES	S, PAIR	
	a°	ØD	В	Tool No.
	45°	1-1/2"	11/16"	† NRC-A02
	CORNER		(NIVES, PAI	
1	R	ØD	В	Tool No.
1000	1/8"	1-3/8"	11/16"	NRC-A03
	CORNER		(NIVES, PAI	R
5 5/	R	ØD	В	Tool No.
The same	3/16"	1-3/8"	11/16"	NRC-A04
Ordering Instru	01			1 / 41

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



7/16"

NRC-B55





















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"

В0	uy A 1/4 S	onank	TINS	-104	3
	dy 'A' 1/2" S				3"
AVAILABLE K	NIVES F	OR EL	IGE F	ORM	BODY
	COVE KN	IVES. P	AIR		
	R	ØD	В		Tool No.
11/2	1/4"	1-3/8"	11/1	16"	NRC-A11
	COVE KN	IVES. P	AIR		
	R	ØD	В		Tool No.
11/10	5/16"	1-3/8"	11/1	16"	NRC-A12
	COVE KN	IVFS P	ΔIR		
	R	ØD	В		Tool No.
	3/8"	1-1/2"			NRC-A13
	SPECIAL				
	R	ØD	B		Tool No.
	3/16"		11/1		NRC-A14
				. •	
	OGEE KN R1	IVES, PA	AIK ØD	В	Tool No.
	11/64"				NRC-A15
	11/04	3/32	1-5/0	11/10	NING-AID
	OGEE KN	-			
	R1	R	ØD	В	Tool No.
100	11/64"	5/32"	1-1/2"	11/16"	NRC-A16
-	ROMAN (DGEE KN	IIVES, F	PAIR	
	R	ØD	В		Tool No.
	5/32"	1-3/8"	11/1	16"	NRC-A17
	COVE & I	READ KN	IIVES. I	PΔIR	
	R	ØD	В		Tool No.
STATE	5/32"	1-3/8"	11/1	16"	NRC-A18
	COVE & I	REAN KN	IIVFS I	PΔIR	
	R	ØD	В		Tool No.
	5/32"		11/1		NRC-A19
	DOUBLE				
100	R	ØD	B		Tool No.
-2	5/32	1-1/2"	11/	16	NRC-A20
	CLASSIC	AL COVE	KNIVE	S, PAIR	1
	R	ØD	В		Tool No.
A Day	3/16"	1-3/8"	11/1	16"	NRC-A21
	CLASSIC	AL MOL	DING K	NIVES.	PAIR
	R	ØD	В		Tool No.
	5/32"	1-3/8"	11/1	16"	NRC-A22
	CLASSIC	AL MOL	DING K	NIVES,	PAIR

Ordering Instructions: Choose the plunge type body 'A'

R

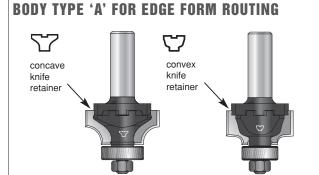
5/32"

† These items also available in set form.

Replacement knife retaining screws #67084 (2 required). Replacement hex key #5007.

ØD

1-1/2"



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

Knives are marked to indicate which retainer is needed.



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' GRO	OVE KNIVI	ES, PAIR	
	a°	ØD	В	Tool No.
- A-10	45°	3/8"	1/4"	NRC-B51
	'V' GRO	OVE KNIV	ES, PAIR	
	a°	ØD	В	Tool No.
V	30°	1/2"	3/8"	NRC-B52
	CORE BO	X KNIVE	S, PAIR	
	R	ØD	В	Tool No.
a a special	1/4"	1/2"	3/8"	NRC-B53

BODY TYPE 'A'	FOR I	EDGE	FORM RO	UTING
				Tool No. L
Nova Edge Form se	t with 3 k	(nives	1/4" Shank	NS-160 3"
Nova Edge Form se	t with 3 k	(nives	1/2" Shank	NS-162 3"
INCLUDED KNI	VES FO	DR EDO	GE FORM	BODY SETS
	CHAMFE	B KNIVE	S DAIR	
	a°	ØD	В	Tool No.
	45°	1-1/2"	11/16"	NRC-A02
	CORNER	ROUND	KNIVES, PA	\IR
	R	ØD	В	Tool No.
- Paris	1/4"	1-3/8"	11/16"	NRC-A05
	CORNER	ROUND	KNIVES, PA	\IR
	R	ØD	В	Tool No.
and the same	3/8"	1-1/2"	11/16"	NRC-A07



В

11/16"

Tool No.

NRC-A23















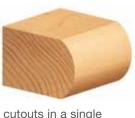
HAND GRIP PLUNGE WITH OR WITHOUT BALL BEARING GUIDE 2 FLUTE

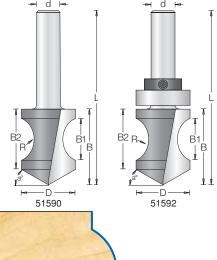


Intended for forming and edging internal hand-helds and cutouts in a single pass, this bit will also cut a soft bullnose on any exposed edge. Available with a shank-mounted ball bearing for cuts guided by a template. Use in a CNC or other automatic router. Bearing equipped bit can be used in a handheld or table-mounted router. Plunge cuts on router table are not recommended.

ØD	a°	R	В	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.





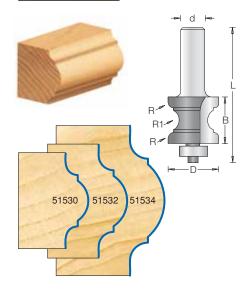


BULLNOSE/COVE EDGE WITH BALL BEARING GUIDE 2 FLUTE

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.	В	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.



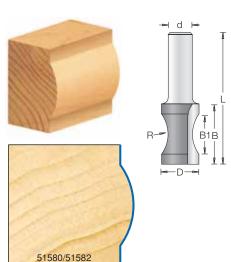
CONVEX EDGING

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	В	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
Vei	v 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

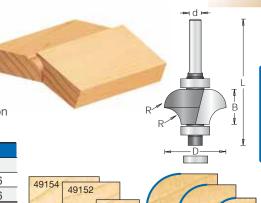
2 FLUTE

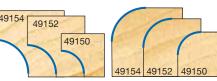
Cut rule joints with a single bit carrying perfectly matched profiles. Switch from the cove to the quarter-round profile simply by changing the extension of the bit. Use in handheld or table-mounted routers.

ØD	R	Tool No.	В	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.





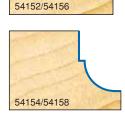
SPECIAL COVE WITH BALL BEARING GUIDE

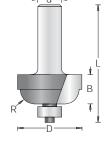
2 FLUTE

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.	В	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.





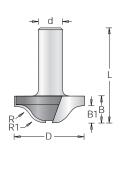
BASE MOULDING OGEE EDGE DETAIL

2 FLUTE



ØD R R1 Tool No. B B1 Ød L								
1-7/16 5/16 3/8 5/207 10/32 3/8 1/2 2	ØD	R	R1	Tool No.	В	B1	Ød	L
1-7/10 3/10 3/0 34297 19/32 3/0 1/2 2	1-7/16	5/16	3/8	54297	19/32	3/8	1/2	2





B	ASE I	MOULD	ING (DGEE	EDGE
D	ETAIL	WITH	BALI	. BEA	RING
2	FLUTE				

			- The state of the			
ØD	R	R1	Tool No.	В	Ød	L
1-53/64	19/64	13/32	54299	3/8	1/2	1-19/32

Replacement bearing #47706









Trimming & Beveling







(A)





(B)



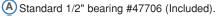


Solid

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.	В	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

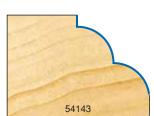


B Optional 3/8" bearing #47702 (Order separately).









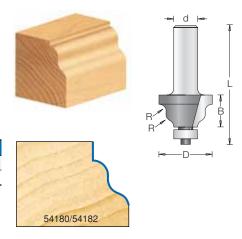
WAVY EDGE WITH BALL BEARING GUIDE

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.	В	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.



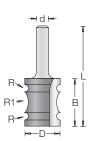
REED EDGE

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.	В	Ød	L
3/4	5/64	15/64	54360	1	1/4	2-1/8

























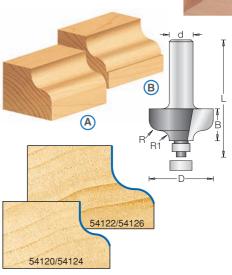
OGEE WITH BALL BEARING GUIDE

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.	В	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

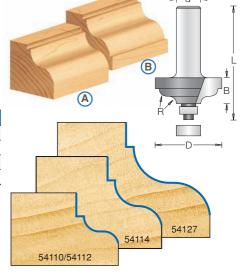
This ogee pattern has a step at the end of the concave portion of the curve. Using the optional 3/8" bearing produces a profile with a fillet at the convex end of the curve. Use in a handheld or table-mounted router.

ØD	R	Tool No.	В	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).



 \triangle WARNING: Maximum RPM $\frac{1}{18}$ = 18,000



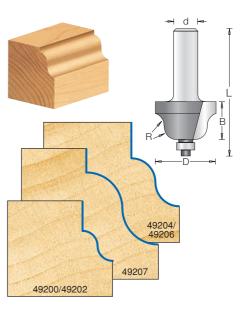
ROMAN OGEE WITH BALL BEARING GUIDE

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.	В	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.





Trimming & Beveling















Grooving

Jointing

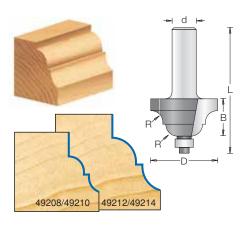
Solid

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.	В	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	В	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.

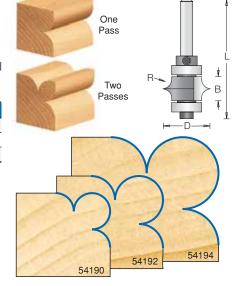
в1В 54160/54162 5416 54172 54168 54164

'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.	В	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.

























FLUTE & BEAD SET

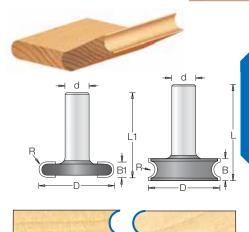
2 FLUTE

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	В	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.





VARIABLE BEADING

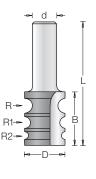
2 FLUTE

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.	В	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.

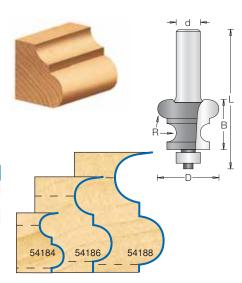
	ØD	R	В	Tool No.	Ød	L
	1	1/8	5/8	54184	1/2	2-1/2
	1-1/4	3/16	1	54186 ♦	1/2	2-7/8
18	2	1/4	1-1/4	54188 ♦	1/2	3

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



. WARNING: Maximum RPM 18 = 18,000







Trimming & Beveling















Solid

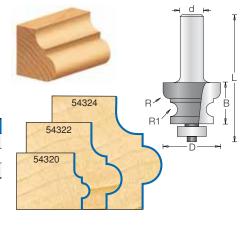
EDGE MOLDING WITH BALL BEARING GUIDE 2 FLUTE

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.	В	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.



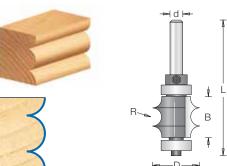
MULTI-EDGE BEADING WITH DOUBLE BALL BEARINGS

2 FLUTE

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

Ø	D R	В	Tool No.	Ød	L
-	3/1	6 7/8	54296	1/4	2-7/8

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

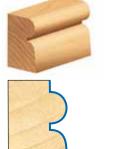


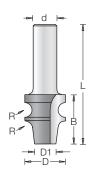
EDGE BEADING

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.	В	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





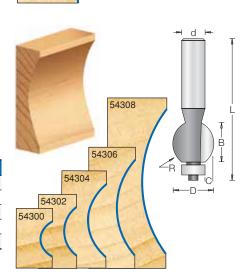
EDGE FLUTING WITH BALL BEARING GUIDE

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	В	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

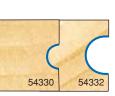
Cut individual flutes—shallow, small-radius grooves—in narrow edges without having to balance a router on that edge. The bit cuts at right angles to the bit axis. Flute depth is controlled by the pilot bearing, the flute's position by the router's bit-height setting. Use in a handheld or table-mounted router.

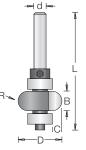
ØD	R	В	Tool No.	C	Ød	L	
3/4	1/8	1/4	54330	1/8	1/4	2-1/4	
7/8	13/64	3/8	54332	1/4	1/4	2-3/8	

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

TRIPLE BEADING/TRIPLE FLUTING







DOUBLE BEADING WITH BALL BEARING GUIDE

2 FLUTE

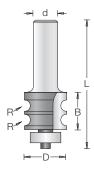
Produce pairs of beads on the edges of shelving or narrow molding strips. Use in a handheld or table-mounted router.

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

Replacement bearing #47716.







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.

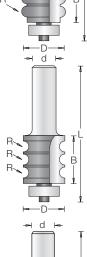
ØD	TYPE	R	Tool No.	В	Ød	L	
7/8	Bead	1/8	54211	1	1/4	2-5/8	
7/8	Bead	1/8	54213	1	1/2	3	
7/8	Flute	1/8	54215	1	1/4	2-5/8	
7/8	Flute	1/8	54217	1	1/2	3	

Replacement bearing #47716.











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.	В	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





Amana Tool $^{f ext{ iny 8}}$



Trimming & Beveling













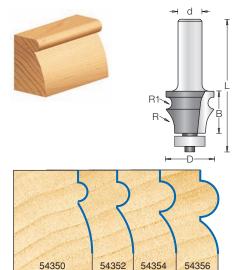


DRAWING LINE WITH BALL BEARING GUIDE 2 FLUTE

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.	В	Ød	L
1	1	3/32	54350	7/8	1/2	2-3/4
1	3/4	1/8	54352	7/8	1/2	2-3/4
1	19/32	5/32	54354	7/8	1/2	2-3/4
1	13/32	3/16	54356	7/8	1/2	2-3/4

Replacement bearing #47716.



CROWN MOLDING

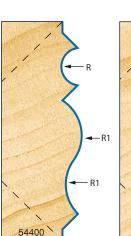
2 FLUTE

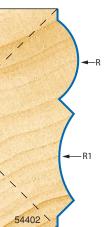
Produce mid-sized crown, cove and bead molding profiles for architectural and furniture applications. The bits cut the profile and bevel, as necessary, which is the show face of the workpiece. Bevel the top and bottom edges on the table saw to complete the molding. Use a 2+ horsepower router, mounted in a table, with a fence to guide the work. To prolong cutter life, reduce strain on the router. To get the best cut finish, make several passes to achieve full cut depth. Bevel back edges, cutting off 45° excess, with one of our chamfer bits.

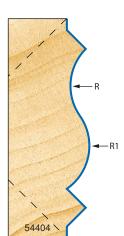


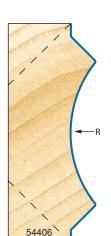
	ØD	R	R1	Tool No.	В	Ød	L
16	1-1/4	3/16	7/16	54400	2-1/4	1/2	3-3/4
16	1-1/4	1/2	3/4	54402	2-1/4	1/2	3-3/4
16	1-1/4	17/32	17/32	54404	2-1/4	1/2	3-3/4
16	1-1/4	1-3/16	_	54406	2-1/4	1/2	3-3/4
16	1-1/4	5/32	15/64	54408	2-1/4	1/2	3-3/4

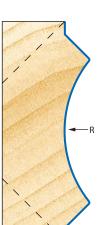
WARNING: Maximum RPM 16 = 16,000.

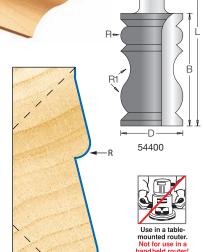












54408

d ⊢

























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

VERSIBLE CROWN MOLDING EXTENDER

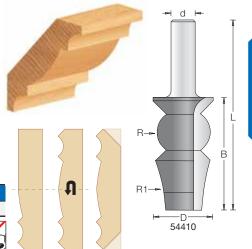
2 FLUTE

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.	В	Ød	L
1-1/4	7/16	3-15/16	54410	2-3/8	1/2	4
			THE STATE OF			YE







REVERSIBLE CROWN MOLDING

2 FLUTE

Give your ceilings that finished look!

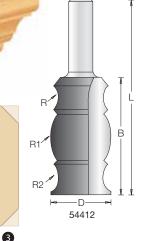
With this bit you can easily make classic crown moldings with your tablemounted router. The beautiful profile is a large cove flanked by roundovers. Use your fence to control the cutting depth and a featherboard to keep the stock firmly positioned against the fence. Bevel back edges, cutting off 45°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

ØD	R	R1	R2	Tool No.	В	Ød	L
1-1/4	3/8	7/8	7/16	54412	2-7/16	1/2	4-1/16
		<	544	~~	~~		





2



HORIZONTAL CROWN MOLDING



54412

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

CIOWITIIIOIG	ing promes on po	ages 00-01.						D
ØD	R	Tool No.	В	Ød	L	\		54414
2-1/4	1-3/4	54414	5/8	1/2	2-3/8			
		54414 5441 54410 5441 54412	14		Use in a table- mounted router. Not for use in a hand held router.	 2	3	



Ь



Trimming & Beveling















Solid Surface

ARCHITECTURAL MOLDING WITH BALL BEARING GUIDE

R1

5/16

3/16

7/8

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.

Tool No.

54202

54204

54218

54220

54250

54252

R2

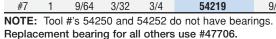
5/16

25/32

3/8



••		hand held router!				
R3	В	Ød	L			
_	1-1/2	1/2	3-3/8			
_	1-3/8	1/2	3-3/8			
15/64	1-5/8	1/2	3-1/4			
_	1-11/16	1/2	3-1/4			
_	2	1/2	3-1/2			
_	2	1/2	3-1/2			
9/32	1-3/4	1/2	3-5/8			



Type

#1

#2

#3 1

12 #4

14 #5

14 #6

ØD

7/8

7/8

1

1-1/2

1-1/2

5/32

5/32

9/64

1/8

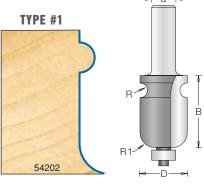
5/32

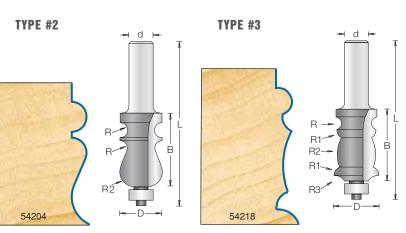


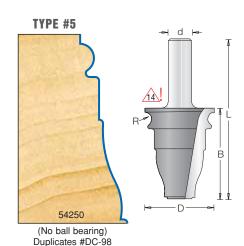
 \triangle ! **WARNING**: Maximum RPM \triangle = 12,000 (54220); \triangle = 14,000. (54250 & 54252).

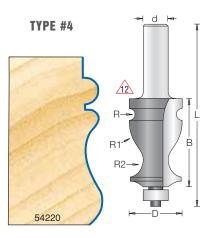


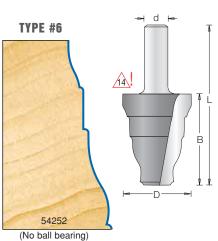


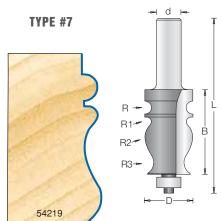












molding pattern

















Solid Surface



ARCHITECTURAL MOLDING W/BALL BEARING GUIDE 2 FLUTE

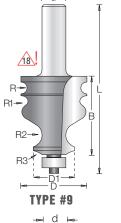






TYPE #8

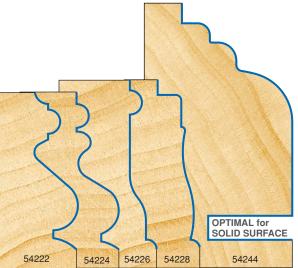
TYPE #12



Type ØD ØD1 R R1 Tool No. R2 R3 В Ød 1/8 3/32 54222 1/4 1-3/8 7/16 1-5/8 1/2 1-3/8 7/8 1/8 1/16 54224 1/4 7/16 1-5/8 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 54228 1/8 1/16 1 1-3/4 1/2 3-5/8 2-1/2 New #17 1/8 3/16 54244 1/2 2-1/2 1/2 4-1/4 3

Replacement bearing #47706.

WARNING: Maximum RPM 18 = 18,000. d 18 18 R′ R1 R1-**TYPE #10 TYPE #11**



18 -D-D1 **TYPE #17** ⊶ d

ARCHITECTURAL MOLDING W/BALL BEARING GUIDE 2 FLUTE

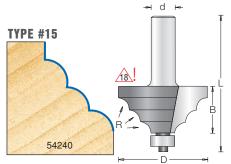




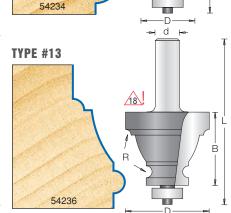
		Use in a table- mounted router. Not for use in a hand held router!
В	Ød	L
		0.111

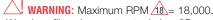
	Туре	ØD	R	R1	Tool No.	В	Ød	L
	#12	1-3/16	1/2	1/4	54234	1-3/8	1/2	3-1/4
18	#13	1-3/4	1/8	_	54236	1-1/2	1/2	3-1/2
18	#14	1-3/8	9/32	3/16	54238	1-1/2	1/2	3-1/2
18	#15	1-7/8	15/64	_	54240	1-5/16	1/2	2-7/8
-								

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



`		-1 U 1-
). 3.		
	TYPE #14	
		18.
		R
		R1
		1
	54238	<u> </u>



















18





SPECIAL INTEREST MOLDING WITH BALL BEARING GUIDE

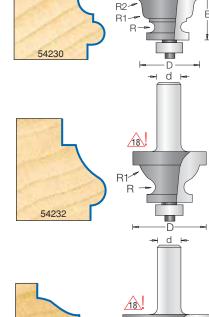
2 FLUTE

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.

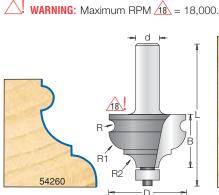


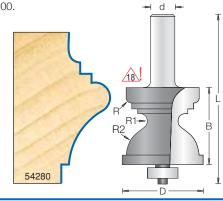
Use in a table-mounted router. Not for use in a hand held router!





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

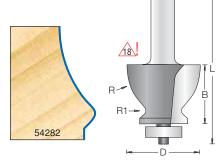




SPECIAL INTEREST MOLDING W/BALL BEARING GUIDE

2 FLUTE

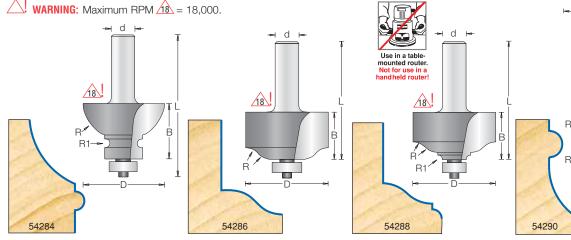
								Replacement
	ØD	R	R1	Tool No.	В	Ød	L	Bearing
18	1-1/2	1-3/16	5/64	54282	1-3/16	1/2	2-5/8	47714
18	1-3/4	25/32	3/32	54284	1-3/16	1/2	3	47712
18	1-3/4	23/64	_	54286	1	1/2	3	47712
18	1-3/4	3/8	3/32	54288	1	1/2	3	47706
	1	9/64	5/8	54290	1	1/2	3	47706



d 🛏

d

54266























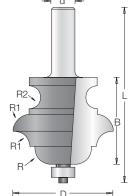
MULTI-FORM WITH BALL BEARING GUIDE

2 FLUTE

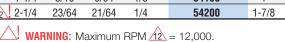
This one bit is designed to cut more than 40 different molding patterns. By making simple adjustments to the cutter height and fence position, and making two or more passes, you can produce a wide variety of profiles and architectural details.

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.

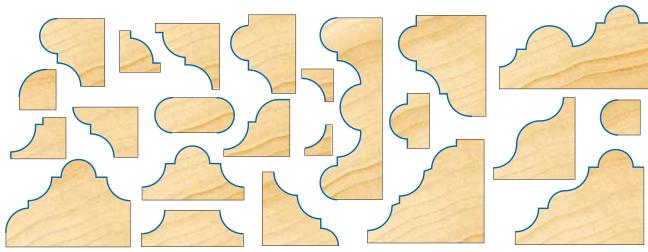




									Replacemen	t
	ØD	R	R1	R2	Tool No.	В	Ød	L	Bearing	
	1-1/4	3/16	9/64	1/8	54198	1	1/2	2-3/4	47702	
12	2-1/4	23/64	21/64	1/4	54200	1-7/8	1/2	4	47706	





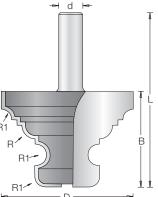


(Wood profiles not shown at actual size.)

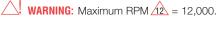
MULTI-PROFILE

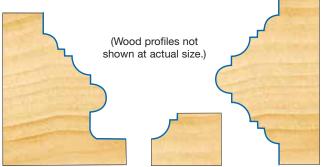
A companion to the classical multi-form, this bit expands the range. Simple adjustments to the bit height and the fence position enable you to cut a variety of profiles and details. Use only in a tablemounted router.

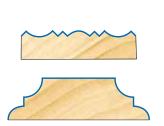




	ØD	R	R1	Tool No.	В	Ød	L	
12 2	2-1/2	1/4	3/16	54201	1-7/8	1/2	3-5/8	

























Solid Surface

FURNITURE PROFILE ROUTER BITS

DESIGNED BY LONNIE BIRD

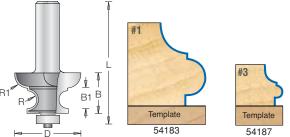




Description	ØD	В	B1	Tool No.	R	R1	Ød	L
Trim Molding #1	1-13/32	7/8	21/32	54183	3/16	9/32	1/2	2-5/8
Trim Molding #3	15/16	7/16	11/32	54187	1/16	1/8	1/2	2-1/8
Bookshelf Edge	47/64	63/64	3/4	54291	1/8	_	1/2	2-31/64
Divider Edge	47/64	19/32	3/8	54293	3/32	_	1/2	2-11/32
Base Molding #1	1-3/4	23/32	3/4	54123	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

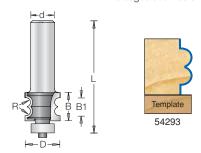
Trim Molding

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



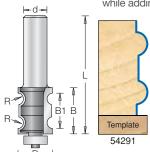


This double bead is perfect for shaping the edges of dividers in small casework.



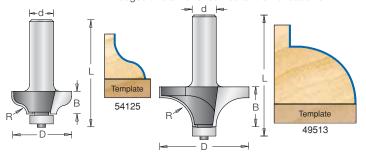
Bookshelf Edge

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



Blanket Chest Lid

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

















Door Making

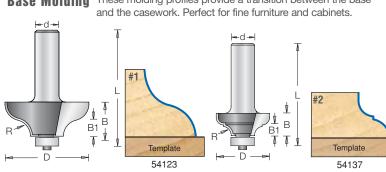
Solid Surface

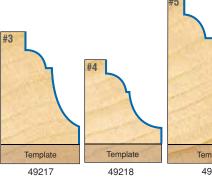




FURNITURE PROFILE ROUTER BITS - (Continued)

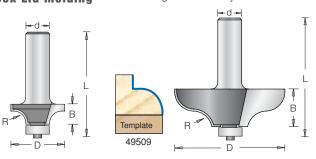
Base Molding These molding profiles provide a transition between the base and the casework. Perfect for fine furniture and cabinets.

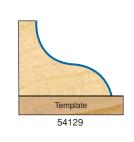






Box Lid Molding These molding are commonly used to trim the edges of blanket chest lids and other casework.



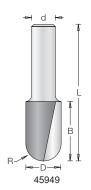


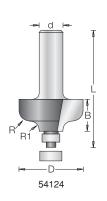
Gooseneck Molding

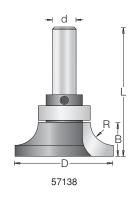
GOOSENECK MOLDING BITS by LONNIE BIRD

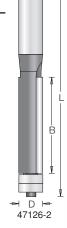
ØD	R	Tool No.	В	Ød	L
1/2	_	**47126-2	2	1/2	4-3/8
2-1/4	1-1/8	45949	1-1/4	1/2	3
1-1/8	5/32	54124	1/2	1/2	2-3/8
2-1/8	1/2	57138	3/4	1/2	3-5/16

^{**} Denotes double ball bearing for added stability.





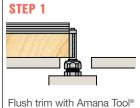






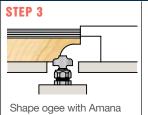
MAKE YOUR OWN DRAMATIC GOOSENECK MOLDINGS

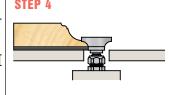
Tool® # 54124



47126-2



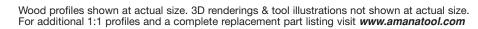






Shape roundover with "roundover" bit Amana Tool® # 57138





















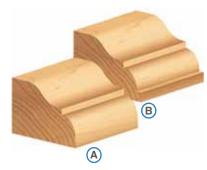


Solid Surface

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.

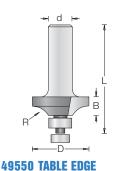
	ØD	R	R1	Tool No.	В	Ød	L	
	1-3/16	15/32	_	49540	3/8	1/4	1-3/4	
	1-3/16	15/32	_	49542	3/8	1/2	2-1/4	
16	2-3/4	1-3/4	_	49550	5/8	1/2	2-1/2	
16	2-1/2	3/8	_	49554	3/4	1/2	2-3/4	
16	2-1/2	3/8	1/4	49556	3/4	1/2	2-3/4	
16	2-5/16	19/64	1/4	49558	7/8	1/2	2-3/4	
16	2-9/16	11/64	1-3/32	49560	3/4	1/2	2-3/4	





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**



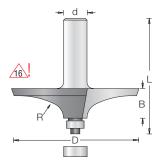
Cuts a narrow profile with an arc based on the ellipse rather than the circle. With the optional 3/8" bearing, it will produce a fillet at the cut's edge.



handrails.

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

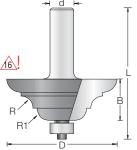


49558 DOUBLE-COVE

AND BEAD

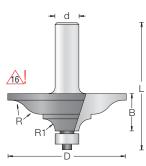
Cuts the thumbnail arc coupled with a bead around the tabletop surface. With the optional 3/8" bearing, it will produce a fillet at the cut's edge.

49550

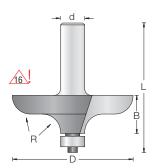




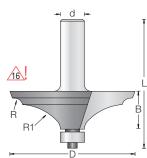
49556 OGEE-AND-BEAD



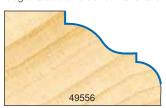
49554 OGEE



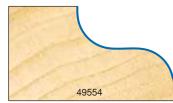
49560 THUMBNAIL AND BEAD



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.



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



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.

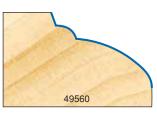
























TABLE EDGES DESIGNED BY LONNIE BIRD WITH BALL BEARING GUIDE

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.

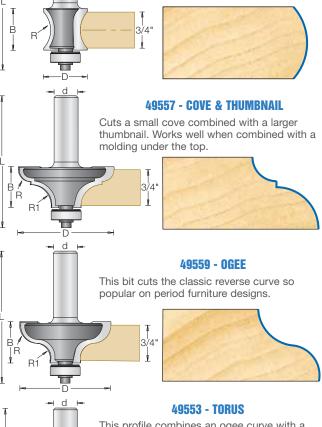
ØD	R	R1	Tool No.	В	Ød	L	
29/32	9/16	-	49551	7/8	1/2	2-25/32	
1-3/4	3/8	3/16	49553	7/8	1/2	2-3/4	
2-21/64	1/2	1/4	49555	55/64	1/2	2-3/4	
2-7/64	1/4	7/16	49557	27/32	1/2	2-3/4	
1-5/32	3/8	5/16	49559	7/8	1/2	2-3/4	
2	3/8	1/4	49561	55/64	1/2	2-3/4	
2-3/8	1/16	-	49563	27/32	1/2	2-25/32	

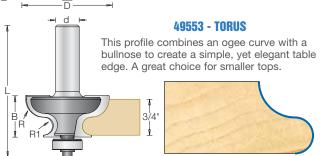
Replacement bearing #47718.





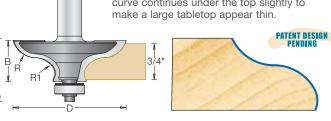


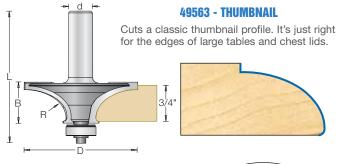


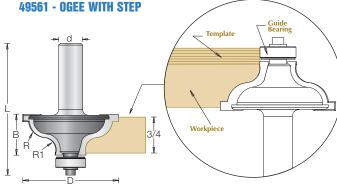




The broad curves of this ogee create a wide, elegant table edge. Notice that the curve continues under the top slightly to make a large tabletop appear thin.

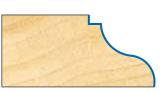






Similar to the ogee edge, this profile joins the classic ogee curve with a small "fillet" or step to add a bit more refinement.

PATENT DESIGN PENDING







Trimming & Beveling













Grooving

PROFILING

Rabbeting

Solid Surface

HANDRAIL H 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.

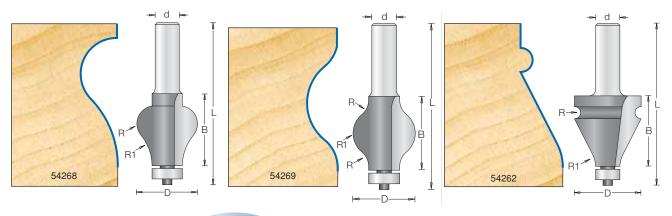




ØD	R	R1	Tool No.	В	Ød	L	
1-3/8	1/8	19/32	54262	1-1/2	1/2	3-3/8	
1-1/4	3/8	1	54268	1-1/2	1/2	3-3/8	
1-1/4	3/8	1/2	54269	1-1/2	1/2	3-3/8	

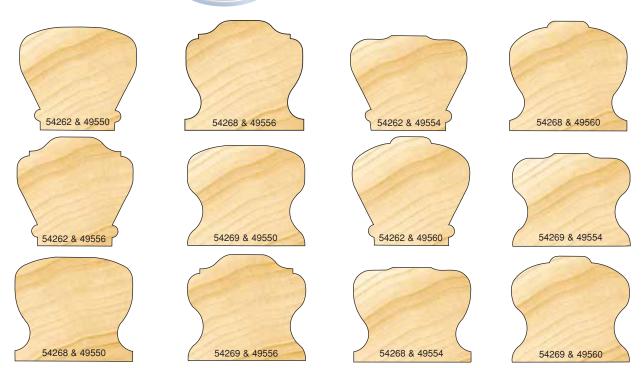
Replacement bearings: #54262 use #47706.

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



HANDRAIL PATTERNS

12 Different Patterns!



(Wood profiles not shown at actual size.)





















RABBET WITH BALL BEARING GUIDE

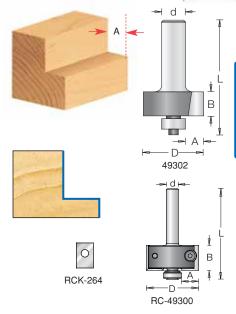
2 FLUTE

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	В	Tool No.	Ød	L
	1-1/4	3/8	1/2	49300	1/4	2
Nei	1-1/8	3/8	1/2	O 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:
Standard3/8	Rabbet — 47706
OR	Rabbet — 47702
OR5/16	Rabbet — 47718
OR1/4	Rabbet — 47720



→ d →

-D 49350 Ţ

В

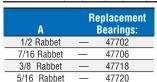
MULTI-RABBET WITH BALL BEARING GUIDE

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.	В	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



47719

1/4 Rabbet

1/8 Rabbet

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



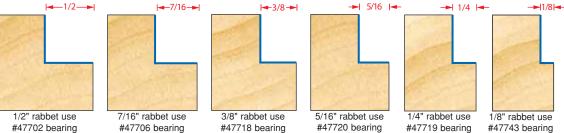








Screw #67094. Washer #67202.



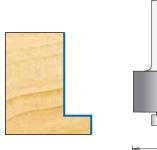
SPECIAL RABBET WITH BALL BEARING GUIDE

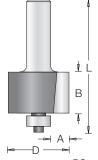
2 FLUTE DEPTH OF RABBET 9/32"

Designed for the "smart clip" backsplash system.

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

Replacement bearing #47706.





d F





Trimming











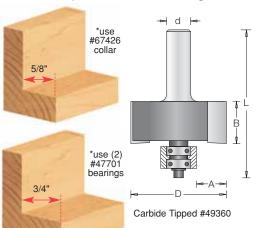




Solid Surface

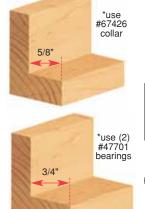
INSERT SUPERABBET™ WITH BALL BEARING GUIDE

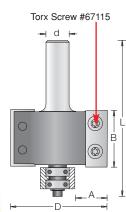
This ingenious tool features both interchangeable cutting edges and interchangeable guide collar, enabling it to cut a wide range of rabbets. Changing the collars on the twin ball-bearing guide steps the cut width in 1/16" increments from flush through 3/4" with five extra "plywood" sizes. Between the 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.





#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	Α	В	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 #67404

collar

3/16" rabbet

Use #67406

collar

6mm rabbet

9mm rabbet

						Replacement
ØI	A	В	Tool No.	Ød	L	Knives
7 2	5/8 & 3/4	30mm	RC-49360	1/2	3-3/8	*RCK-30

Knives also available for MDF & solid surface materials - in replacement carbide section.

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

b//UU
5-piece collar kit for 15/64"
(6mm), 23/64" (9mm),
15/32" (12mm), 19/32"
(15mm) & 23/32" (18mm)
for the first of the first of the

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

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

rabbet depths includes the

following:

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



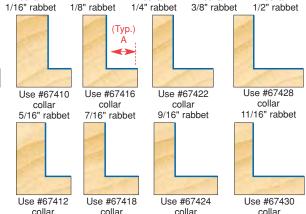
WARNING: Maximum RPM 17 = 17,000 18 different



Use #67398 Use #67400 Use #67402 Use #67408 Use #67414 Use #67420 collar collar collar collar collar collar Flush 1/16" rabbet 1/8" rabbet 3/8" rabbet 1/4" rabbet (Typ.)

12mm rabbet

(above profiles not actual size)



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

15mm rabbet



18mm rabbet



















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.

	-	1/2"
NO.		←>
	Mary	
-	7700	



A	To	ol No.	В	Ød	L	
*Flush to 1/2"	RC	-49355	12mm(.472)	1/2	3	
collars below.	Standard de	epth=1/2"				*AMA-12

*Using optional of

Torx Key #5005. Torx Screw #67115.

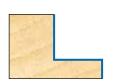
22.1-1/2

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

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

Individual C	ollars:	
	Collar	'A'
Order No.	ØDia.	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:						
Out - N-	Collar	'A'				
Order No.	ØDia.	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.



#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























Solid Surface

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™.

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	В	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
New17/32	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.

7-1/2° ANGLE

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

ØD	В	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	В	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

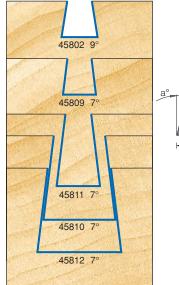
^{*}Left hand rotation

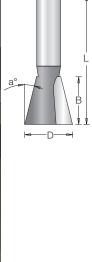
9° ANGLE

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

ØD	В	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









45820 7-1/2°





45824 8° 45800 9°



^{*6.24°} Angle



















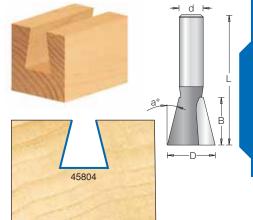


DOVETAIL

10° ANGLE

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

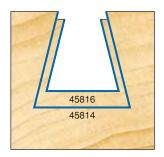
ØD	В	Ød	Tool No.	L	Application
1/2	.650	1/4	45803	2-1/2	Incra™/Leigh #101
1/2	5/8	1/2	45805	2-5/8	Incra™



14° ANGLE

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

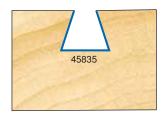
ØD	В	Ød	Tool No.	L	Application
1/2	1/2	1/4	45804	1-3/4	_
1/2	1/2	1/4	45832	2	Incra™/Omnijig 43705
1/2	1/2	1/4	45833	2-3/8	Leigh #120
1/2	.532	1/2	45806	2-1/2	Incra™/Omnijig 43750
17/32	1/2	1/4	45834	2	Incra™
3/4	3/4	1/2	45816	3	Omnijig 43774
7/8	7/8	1/2	45818	2-5/8	_
1	1	1/2	45814	2-3/4	_



18° ANGLE

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

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

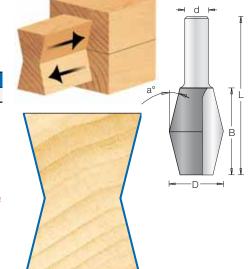


14° BUTTERFLY SPLINE

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	В	Tool No.	Ød	L
1-1/8	1-3/4	45860	1/2	3-1/4
Use with An	nana Tool's® 14° Dovetai	l bits #'s 45804,	45806, 45814,	45816 or 45818







Trimming & Beveling













В

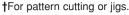
Solid Surface

DOVETAIL WITH UPPER BALL BEARINGS

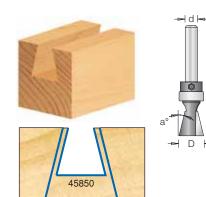
2 FLUTE

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°	В	Tool No.	Ød	L	Туре
	1/2	14°	1/2	45850	1/4	2-1/4	Dovetail
New	3/4	14°	3/4	†45852	1/2	3	Dovetail



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

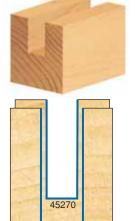


45852

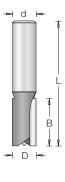
LEIGH JIG STRAIGHT BITS

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

ØD	В	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



45493

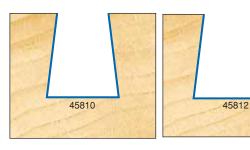


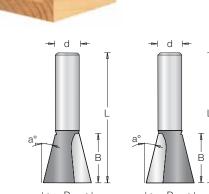
7° STAIRTREAD

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.	В	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





Right Hand



Left Hand



















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	В	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	В	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	В	Ød	Tool No.	Keller No.	L	Bearing	Туре
	7/16	3/4	1/4	45882	1633	2-5/8	47712	Dovetail
/1	6 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	В	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	В	Ød	Tool No.	Keller No.	L	Bearing	Туре
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	В	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

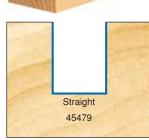
	ØD	В	Ød	Tool No.	Keller No.	L	Bearing	Туре
	1	1	1/2	45890	3637	2-3/4	47738	Dovetail
Z	6 5/8	3/4	1/4	45470	1643/2443/3643	2-5/8	47712	Straight
	7/8	1	3/8	45472	3645/2445	2-5/8	47741	Straight

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

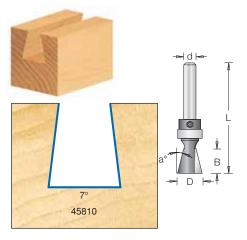
ØD	В	Ød	Tool No.	Keller No.	L	Bearing	Туре
1-1/8	1-1/4	1/2	45892	3639	3-1/8	47738	Dovetail
7/8	1-1/4	3/8	45473	3649	2-7/8	47741	Straight

WARNING: Maximum RPM $_{16}$ = 16,000; RPM $_{18}$ = 18,000



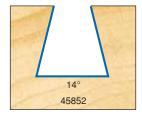


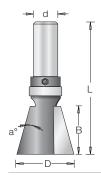




Replacement bearing for #45469, #45470, #45474, #45880, #45882 is #47712.

Replacement bearing for #45471 is #46641. Replacement bearing for #45884 is #47741.









Trimming & Beveling



Profiling









Solid Surface







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.





ØD	В	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

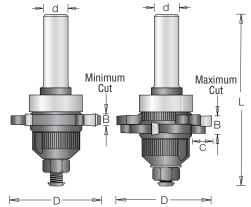
Two- and three-wing slotting cutters are available individually. Use a two-wing cutter for faster feed rates, three-wing cutters for better cut finish.

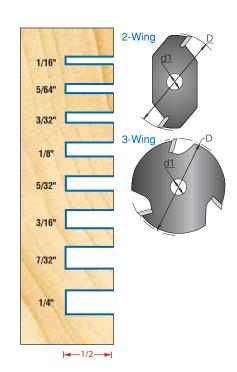


ØD	2 Wing Tool No.	3 Wing Tool No.	B Kerf	Ød1 Bore
1-7/8	53100	53200	1/16	5/16
1-7/8	53102	53202	5/64	5/16
1-7/8	53104	53204	3/32	5/16
1-7/8	53106	53206	1/8	5/16
1-7/8	*53107	*53207	5/32	5/16
1-7/8	53108	53208	3/16	5/16
1-7/8	53109	53209	7/32	5/16
1-7/8	53110	53210	1/4	5/16

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

























SLOTTING CUTTER ASSEMBLIES

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

General Specs:

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

В	1/4" Shank 2-Wing Tool No.	1/4" Shank 3-Wing Tool No.	1/2" Shank 2-Wing Tool No.	1/2" Shank 3-Wing Tool No.
1/16	53300	53400	53300-1	53400-1
5/64	53302	53402	53302-1	53402-1
3/32	53304	53404	53304-1	53404-1
1/8	53306	53406	53306-1	53406-1
* 5/32	53307	53407	53307-1	53407-1
3/16	53308	53408	53308-1	53408-1
7/32	53309	53409	53309-1	53409-1
1/4	53310	53410	53310-1	53410-1

NOTE: All above assemblies include cutter, arbor and ball bearing.

Also available with 3/8" shank by adding '-2' to part #. (example: #53400-2).

^{**}See page 80 for *Vari-Depth'* bearings (1/4" and 3/8" depth).

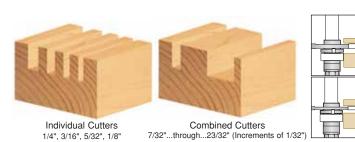
Replacement Arbors:
1/4" shank - 47600
3/8" shank - 47602
1/2" shank - 47604

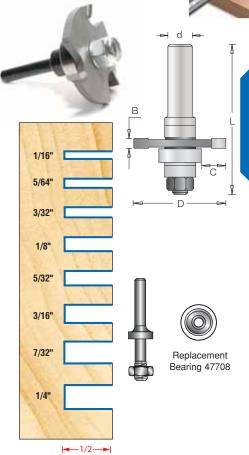
'QUADRASET'™ 2-WING ADJUSTABLE SLOTTING ASSEMBLY WITH BALL BEARING GUIDE

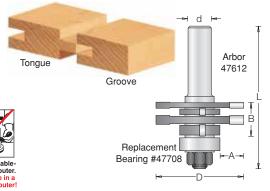
The Quadraset™ is an adjustable slotting assembly that includes 1/8", 5/32", 3/16", & 1/4" two-wing cutters, a 1/2" shank arbor with a pilot bearing, and a handful of spacers, washers and shims. Conceptually it is like a table-saw dado stack set. You can use the cutters individually on the arbor, or 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.

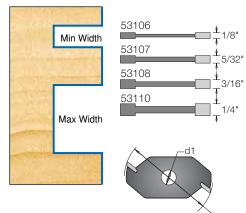
ØD	А	B-Kerf	Tool No.	Ød1	Ød	L
1-7/8	1/2	1/8-*23/32	53600 ♦	5/16	1/2	3
Extra 5/32 two-wing cutter only. 53107						
the full O/All subsequently and reciprocal distinct #F0407 subsequently						

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











^{*5/32&}quot; size also used for 'biscuit-joint' cutting.



Trimming & Beveling













Solid Surface

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.	0.D.
1/4	5/16	47727	1-3/8
3/8	5/16	47728	1-1/8
Two piece set (#4	7727/47728)	47729	

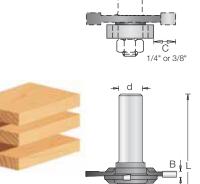
'DUO-SET'™ 2-WING ADJUSTABLE SLOTTING ASSEMBLY WITH BALL BEARING GUIDE

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.

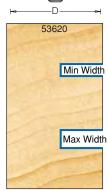
ØD	В	Tool No.	A	Ød	L
1-31/32	1/8-3/16	53620	7/16	1/2	3
1-31/32	3/16-11/32	53640	7/16	1/2	3

Replaceme	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)		









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	В	Tool No.	B1	Ød	L	
13	1-7/8	1-3/8	53610	5/32	1/2	3-3/4	



WAITINIU. WAXIIIUII I W <u>710.</u> = 10,000			
Individual C	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

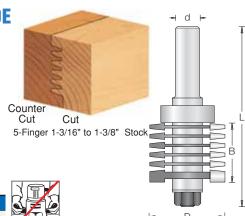
Ideal for joining wood end-to-end as well as edge-to-edge, the finger joint can be routed quickly and accurately with this tool. Rout one workpiece face up, the other face down. When the bit height is correct, the two pieces should slide together with their faces perfectly flush. The assembly includes 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.

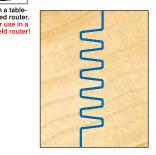
ØD	В	Tool No.	Ød	L
1-9/16	1-3/8	55392	1/2	3-3/4

Overall Specs:

Individual (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 (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)						





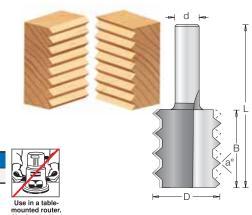


Each Finger Joint Assembly includes **FULL COLOR INSTRUCTION MANUAL** LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

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.

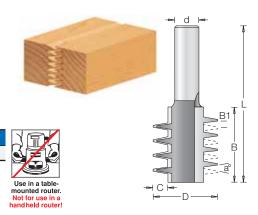
ØD	В	Tool No.	a°	Ød	L
1-3/8	1-37/64	45790	80°	1/2	3-1/16



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







Trimming











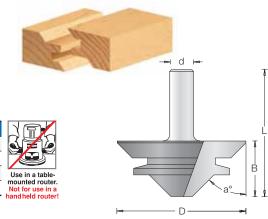




45° LOCK MITER

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





WARNING: Maximum RPM 18 = 18,000

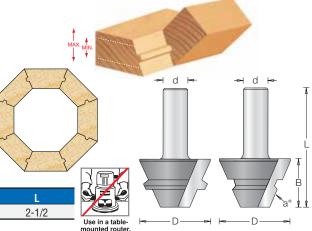


Each 45° Lock Miter Cutter includes **FULL COLOR INSTRUCTION MANUAL** LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

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

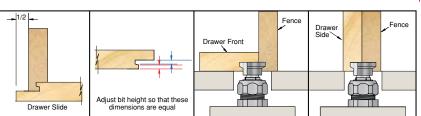


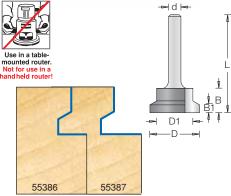
DRAWER LOCK

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.

עש	ועש	D	IUUI NU.	שע	DI	<u> </u>
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
1/2			Drawer Front	Fence	Drawer Side	Fence























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2 PIECE EDGE BANDING BIT SETS

thickness. For use only in a table mounted router.



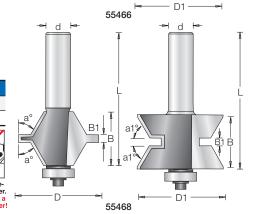
This two-piece bit set provides an economical way to create your own edge banding from the wood of your choice. This is a great way to create a finished edge on plywood or MDF panels and shelves which blends perfectly with the rest of your project.

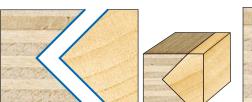
Using this bit set is simple, too. Just position each bit so that it is centered on the stock thickness and make the cut. For the best results we recommend that you cut the edge band stock slightly oversize and then flush trim it after assembly.

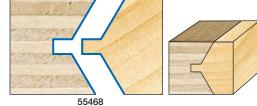
This unique set is available in two styles: 90 degree or 60 degree. The 90 degree bits can also be used to create 'V' grooves or double-sided chamfers. The 60 degree set creates a larger surface area for glue. 1/2" shank, two flutes, carbide tipped for long life. For stock 1/2" to 1" in

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

Replacement Bearing #47720.







MULTI-SIDED GLUE JOINT BITS

55466



If you're looking for a better way to construct multi-sided boxes, planters, and columns, then look no further. With these bits, there's no need for complex miters and time-consuming set-ups. Instead, simply choose the bit based upon the number of sides on the box, rout the joint, and assemble. Unlike a miter joint, the joint created by these bits aligns itself. And the joint stays in alignment while gluing, no more slipping and sliding out of position.

	ØD	В	# Sides	Tool No.	a°	Ød	L		(a°)
	1-5/8	1-1/4	16	54270	67.5°/22.5°	1/2	2-7/8		D
	1-3/4	1-3/64	8	54272	45°/45°	1/2	2-21/32		54270
	1-7/8	1-1/4	6 or 12	54274	60°/30°	1/2	2-7/8	→ d →	- d - T
4	FLUS	SH	RIBBED	54270 Above pr	54274 offiles not show	/ 54272 wn actu		B 54272	54274



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Router Bits



Trimming & Beveling















T-SLOT

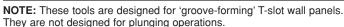
2 FLUTE

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.

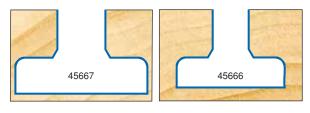


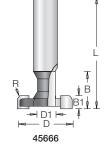
ØD	ØD1	R	Edge Type	Tool No.	В	B1	Ød	L
1-1/8	3/8	_	Straight	45660	13/16	5/16	1/2	2-1/2
1-1/8	3/8	1/4	Radius	45666	13/16	5/16	1/2	2-1/2
1-3/8	1/2	_	Straight	45662	7/8	3/8	1/2	2-1/2
1-3/8	1/2	1/4	Radius	45667	7/8	3/8	1/2	2-1/2

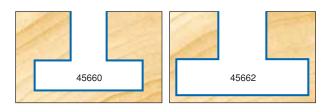


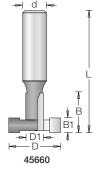










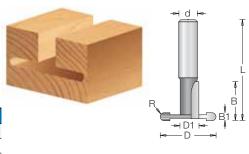


SPECIAL AMEROCK® HINGE

2 FLUTE

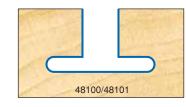
This bit is designed to produce a T-slot for Amerock® hinges. For best results use in a table-mounted router.

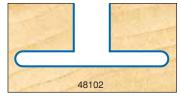
ØD	ØD1	R	Tool No.	В	B1	Ød	L	
1-1/8	3/8	5/64	*48100	21/32	5/32	3/8	2	
1-1/8	3/8	5/64	*48101	21/32	5/32	1/2	2-1/8	
1-19/32	3/8	5/64	*48102	21/32	5/32	3/8	2	



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

























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

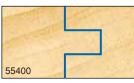


- + Can be used on 1/2" through 3/4" thick material.
- Can be used on 3/4" through 1-1/8" thick material.

Tongue is cut as shown in assembly 'A'. For groove cut, reassemble the tool as shown in 'B'. Instructions included.

Replaceme	nt 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

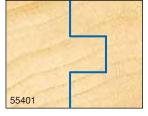


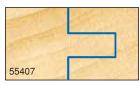




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В





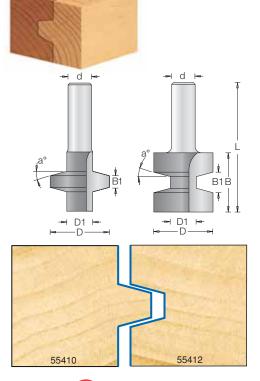
WEDGE TONGUE & GROOVE

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 tablemounted router.

ØD	ØD1	a°	В	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				







R













Rabbeting Trimming & Beveling **Profiling** Door Making Grooving

BEAD AND 'V' PANELING ASSEMBLY WITH BALL BEARING GUIDE

2-WING

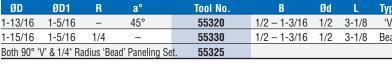
These assemblies are designed to cut tongue & groove joinery for solid wood paneling. Two patterns, a 1/4" bead (#55330) or a 45° 'V' (#55320), are available individually or as a set. Each assembly comprises a profile cutter, a rabbet cutter and a groove cutter, two different-size bearings, a

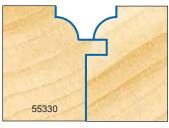
1/2" shank arbor, and a selection of washers, shims and spacers. Assemble the profile cutter, small bearing, and rabbet cutter as shown in the solid drawing to cut the tongue. To rout the groove, mount the groover and large bearing with the profiler, as shown in the ghosted drawing. The tool will work with stock from 1/2" through 1" thick.

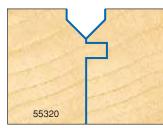
R

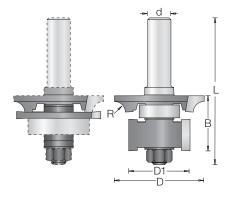


	hand held router!				
Ød	L	Туре			
1/2	3-1/8	'V'			
1/2	3-1/8	Bead			







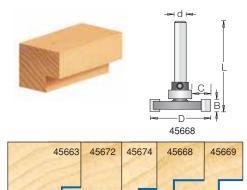


FLOORING FOR "UNDERCUTTING"

2 FLUTE • STRAIGHT DEDICATED CUTTER W/CHANGEABLE BEARINGS

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

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

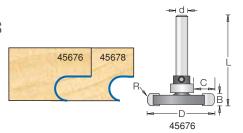


FLOORING

2 FLUTE • ROUNDED DEDICATED CUTTER W/CHANGEABLE BEARINGS

							Replace	ement
ØD	R	C	В	Tool No.	Ød	L	Bearing	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).





















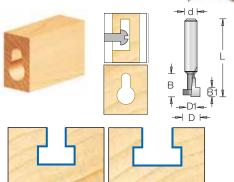


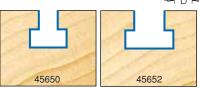


SINGLE FLUTE

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	В	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





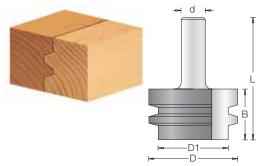
GLUE JOINT

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.



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



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-D

55341

R₁

d

- D

55340

OGEE WINDOW SASH & RAIL

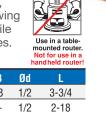
2-WING WITH BALL BEARING GUIDE

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

spacer to cut p cutter a	s, shi orofile and re	ims, and v e and rabb	vashers. Opet on all obet cutte	ne bearing, a 17 Configure as sh parts. Switch b r with spacers t	own in earing	the cand p	drawir orofile	U me N	lse in a ta ounted ro ot for use nd held ro
ØD	R	'A' Reveal	В	Tool No	B1	B2	В3	Ød	L
1-3/8	1/8	1/4	1-13/16	55340	5/16	5/8	7/8	1/2	3-3/

55341

5/16





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

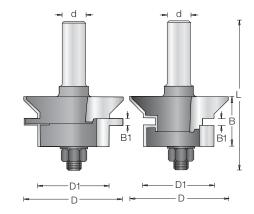
ADJUSTABLE 'V' PANEL SET

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.



ØD	ØD1	В	Tool No.	B1	Ød	L
1-11/64	1-37/64	1-1/8	55346	5/32-5/16	1/2	3-3/8
1/2"	Y	3/4"	7	1"	L	



В1 B2

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ВЗ



Straight Plunge











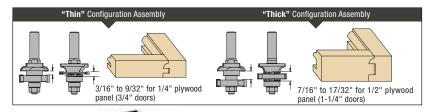








Adjust the panel groove width (3/16" to 9/32" for 1/4" plywood) (7/16" to 17/32" for 1/2" plywood)



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

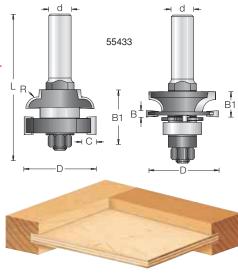
PATENT PENDING

FLAT PANEL CABINET DOOR MAKING ROUTER BIT SET

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





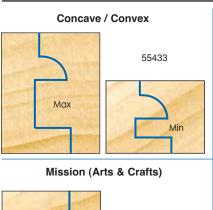


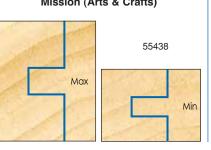
5/8" - 1-1/4" MATERIAL

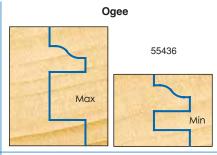
Bits in these sets have profile and groove or rabbet cutters and ball-bearing guide mounted on a 1/2" shank. Respacing of the components should only be necessary - using the provided shims - after the cutters have been resharpened. Guide straight cuts with the fence; use the pilot bearing only for cuts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

	ØD	R	a°	В	B1	Tool No.	C	Ød	L	Туре	
	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	
Nei	0 1-5/8	_	_	11/16	5/8 - 1-1/4	55438	3/8	1/2	3-11/32	Mission - Straight	
Nei	v 1-7/8	_	_	11/16	5/8 - 1-1/4	55439	1/2	1/2	3-11/32	Mission - Straight	П
Nei	o 1-7/8	_	18°	11/16	5/8 - 1-1/4	55432	1/2	1/2	3-11/32	Straight with Bevel	ī

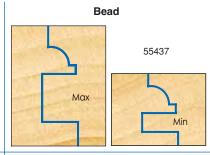








Mission (Arts & Crafts) 55439 Max Min



Straight with Bevel (Shaker) 55432 Max Min























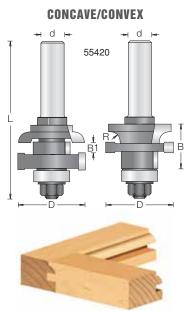
2-PIECE STILE & RAIL SETS WITH BALL BEARING GUIDE

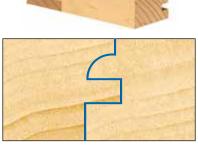
2-WING

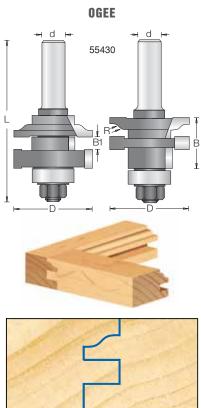
Our stile and rail sets give you two complete bits, one for doing the rail cuts, one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications. These sets are offered in two configurations, one for working material up to 1" thick,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

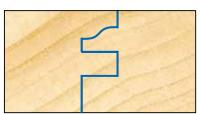
3/4" TO 1" MATERIAL

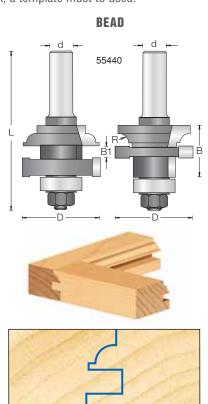
In addition to the components provided with sets of the first type, these sets include two trim cutters for stock 7/8" through 1" in thickness. (These trim cutters can be removed for making bearing-guided cuts on stock under 7/8" thick.) Use in a table-mounted router. Guide straight cuts with the fence,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











3/4" to 1" MATERIALS

	ØD	R	В	Tool No.	B1	Ød	L	Туре
	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
Ī	1-5/8	3/16	1-1/16	55440	1/4	1/2	3-5/16	Bead





Individual C	omponents:	Qty. Red	uired for 1	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

















Solid

2-PIECE STILE & RAIL SETS WITH BALL BEARING GUIDE

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.

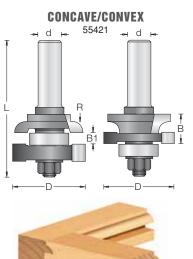
3/4" MATERIAL

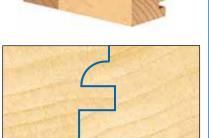
Bits in this set have profile and groove or rabbet cutters and ball-bearing guide mounted on a 1/2" shank. Respacing of the components should only be necessary - using the provided shims - after the cutters have been resharpened. Use in a table-mounted router. Guide straight cuts with the fence; use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

OGEE

55431

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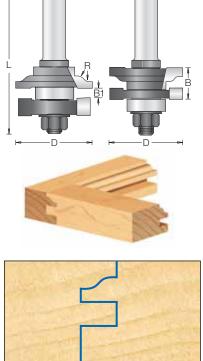




11/16

11/16

11/16



1000					
	e Wilesim				
Tool No.	B1	Ød	L	Туре	
55421	1/4	1/2	3-1/8	Concave	

1/2

1/2

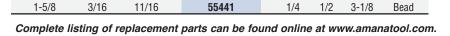
3-1/8

3-1/8

Ogee

Bead

1/4



55431

BEAD 55441 d 🛏 d







CABINET DOOR EDGE

1/4

1/4

3/16



2-WING

ØD

1-5/8

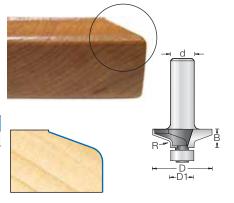
1-5/8

1-5/8

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

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

See page 137 for insert cabinet door edge router bits.























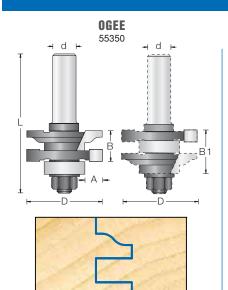


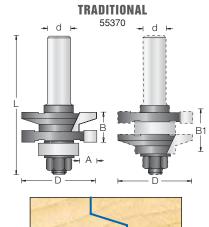
REVERSIBLE STILE & RAIL ASSEMBLIES WITH BALL BEARING GUIDE

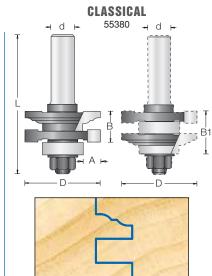
2-WING

Cut both the stiles and rails with a single economical assembly. Switch from the stile cut to the rail cut simply by rearranging the cutters and bearing on the arbor. Because the profile and the cope are cut with the same cutter, you get a perfect fit. The assembly order for each setup is shown in the drawing. Use in a table-mounted router. Guide straight cuts with the fence; use the pilot bearing only for cuts on curved rails or stiles.

3/4" MATERIAL







ØD	Pattern Type	'A' Reveal	Tool No.	В	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

Use in a table

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

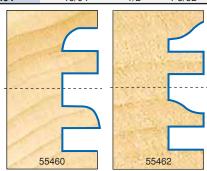
NOTE: Stile & Rail assemblies can be used on 5/8" through 7/8" material. Tongue & Groove can be used on 1/2" through 3/4" material. *Complete listing of replacement parts can be found online at www.amanatool.com.*

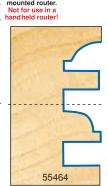
ONE PIECE STILE & RAIL

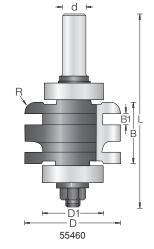
These one piece stile & rail bits are an easy and effective technique for creating cabinet door frames. You simply adjust the height of the bit accordingly in the router table to cut the profile cut (with bit lowered in the table) and the cope cut (with bit raised in the table).

ØD	ØD1	R	В	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

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



















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111

D

Traditional

Ogee





В1В

İ B B1

Solid Surface Rabbeting DOOR MAKING Straight Plunge Trimming & Beveling **Profiling** Grooving



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.	В	B1	Ød	L
14 3-3/8	*1-7/16	15°	54117	1/2	5/16	1/2	2-3/8

Replacement bearing #47706.



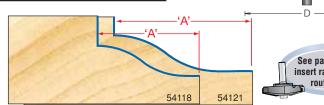
RAISED PANEL WITH BALL BEARING GUIDE 2 FLUTE

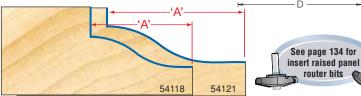
	ØD	*'A' Reveal	R	Tool No.	В	B1	Ød	L
20	2-5/8	*1-1/16	3/4	54118	5/8	5/16	1/2	2-1/2
14	3-3/8	*1-7/16	7/8	54121	9/16	3/8	1/2	2-1/2

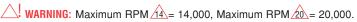
Replacement bearing #47706.



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



























Cove

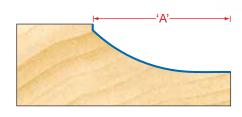
Traditional



	ØD	*'A' Reveal	R	Tool No.	В	Ød	L
14	3-3/8	*1-7/16	1-9/16	54119	1/2	1/2	2-3/8

Replacement bearing #47706.





2 FLUTE WITH BALL BEARING GUIDE

ØD	*'A' Reveal	a°	Tool No.	В	Ød	L
1-5/8	*9/16	25°	54116	1/2	1/2	2-3/8
Poploome	nt booring #/	17706				(A 1 .

Replacement bearing #47706.



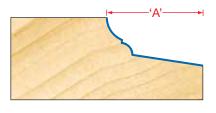


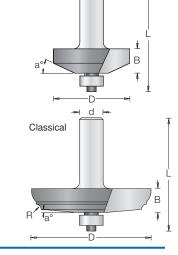
	ØD	*'A' Reveal	a°	Tool No.	R	В	Ød	L
20	2-1/2	*1	5°	54115	1/8	1/2	1/2	2-3/8

Replacement bearing #47706.









d



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



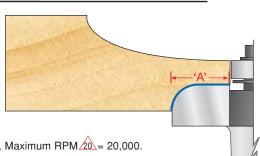
Designed to cut back side of raised panels for a flush alignment with door frames. This cutter can be used with any of our raised panel router bits found on pages 90, 91 and 93.

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

Replacement bearing #47706.







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

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



В

Ч



Trimming & Beveling













Straight

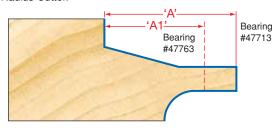
RAISED PANEL WITH BACK CUTTER 2 FLUTE WITH BALL BEARING GUIDE

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.



			*'A'								
	ØD	ØD1	Reveal	**'A1'	a°	Tool No.	R	В	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

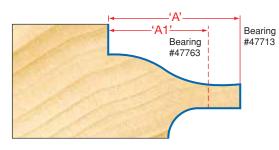
Replacement bearing #47713 (8MM x 16MM) and #47763 (8MM x 1-1/4"). Back Cutter #55435 =1/4" Kerf; 5/16" Radius Cutter.



Traditional	d H	Ī
R		Bill Bill Bill Bill Bill Bill Bill Bill
H	——D1——————————————————————————————————	-

			*'A'								
			Reveal			Tool No.	R1	В	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.

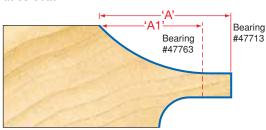


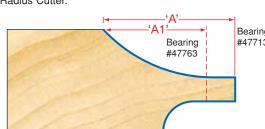
Ogee	ed d he	Ī
R R1		B1 B
H-	—D1 → H	—⊶

			*'A'								
			Reveal			Tool No.	R1	В	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.



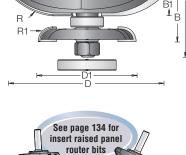




WARNING: Maximum RPM 12 =12,000

*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.



Cove



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





















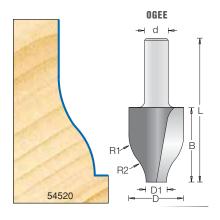
VERTICAL RAISED PANEL

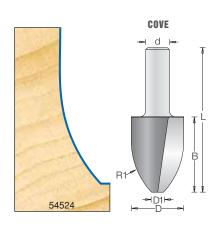
2 FLUTE

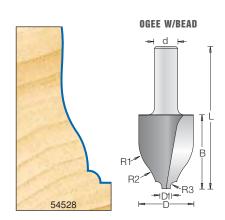
Raised panels with a low-horsepower, fixed speed router using these patented VERTICAL raised panel bits. You must do the work on a router table, with the work on edge, braced against the fence. Arched or curved shapes (i.e.: "cathedral" door panels) cannot be routed. To prolong tool life and get the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



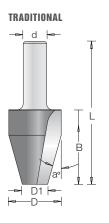
ØD	ØD1	В	a°	R1	Tool No.	R2	R3	Ød	L	Туре
1-3/16	7/16	1-5/8	_	7/8	54520	23/32	_	1/2	3-1/8	Ogee
1-1/8	9/32	1-5/8	_	1-9/16	54524	_	_	1/2	3-1/8	Cove
1-3/16	3/16	1-5/8	_	7/8	54528	23/32	1/8	1/2	3-1/8	Ogee w/Bead
1-1/8	19/32	1-5/8	15°	_	54532	_	_	1/2	3-1/8	Traditional
1-3/16	1/4	1-5/8	45°	7/8	54536	23/32	_	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

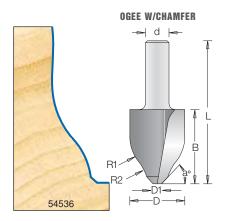


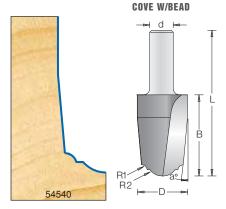
























Grooving





Jointing



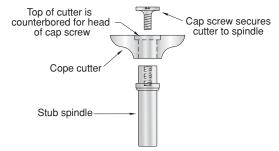




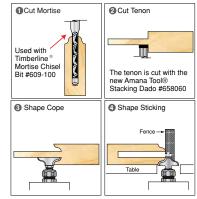




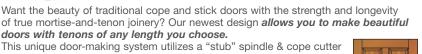












This unique door-making system utilizes a "stub" spindle & cope cutter arrangement. The counterbored cope cutter is secured to the spindle with a cap screw. A matching profile bit is used to shape the decorative ogee "sticking" along the edges of the stiles and rails. As the cope is cut on the ends of 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.

Each Stub Spindle & Cope Cutter includes **FULL COLOR INSTRUCTION MANUAL** LEARN STEP BY STEP WITH MASTER CRAFTSMAN LONNIE BIRD

ENTRY DOOR BITS

2 FLUTE • 1-3/4" MATERIAL

doors with tenons of any length you choose.

ØD	ØD1	В	R	Tool No.	Ød	L	Туре
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	G 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	В	R	Tool No.	Ød	L	Туре	
1-1/2	3/4	3/8	7/32	47513	1/2	2	Cope Cutter w/stub spir	ndle
1-1/4	_	3/8	7/32	54173	1/2	1-7/16	6 Ogee Bit	

Replacement Parts:

Cope cutter #47512 • Stub spindle with screw: #47617 Screw for stub spindle: #67012 • Ball bearing #47706

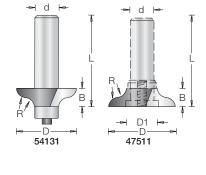
CABINET DOOR BITS

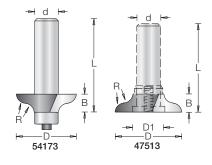
2 FLUTE • 1-3/4" MATERIAL

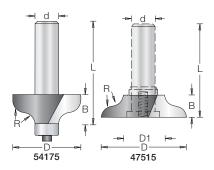
ØD	ØD1	В	R	Tool No.	Ød	L	Туре
1-5/8	3/4	15/32	1/4	47515	1/2	2	Cope Cutter w/stub spindle
1-3/8	_	15/32	1/4	54175	1/2	1-31/3	2 Ogee Bit

Replacement Parts:

Cope cutter #47514 • Stub spindle with screw: #47617 Screw for stub spindle: #67012 • Ball bearing #47706























Mullion



Router Bits

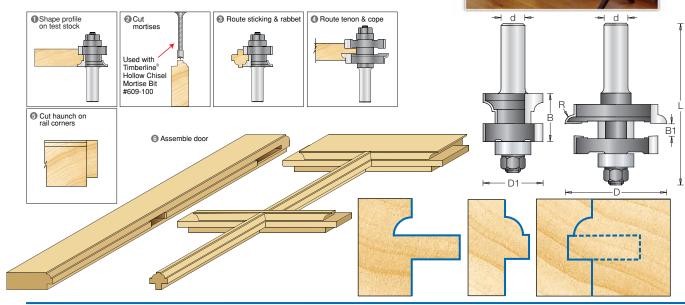


2 FLUTE • 3/4" TO 7/8" MATERIAL

If you've wanted to construct true divided light doors for fine furniture and cabinets, look no further. Amana Tool®'s divided light door set enables you to make strong, attractive divided light doors with real mortise-and-tenon joints. The first bit shapes the decorative sticking along with a rabbet for the glass. The second bit cuts the cope and the tenon. Once assembled, all of the door frame parts, stiles, rails, muntins and mullions, interlock with 3/4" long tenons. Mullions are 3/4" wide.

ØD	ØD1	В	B1	Tool No.	R	Ød	L
2-1/8	1-1/4	1	1/4	55360	3/16	1/2	3-1/8

Replacement Bearing #47759.



LONNIE BIRD New

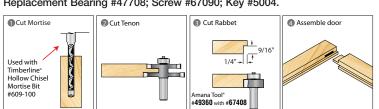
OFFSET MORTISE-AND-TENON BIT FOR MISSION STYLE GLASS DOOR

2 FLUTE • 7/8" TO 1-1/8" MATERIAL

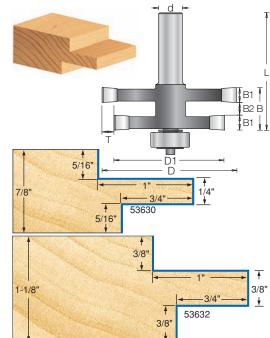
The strongest construction method for making doors is the mortise-and-tenon joint. These new bits allow you to make tenons with offset shoulders. This makes it easy to construct offset mortise-and-tenon joints for Mission Style glass doors.

ØD	ØD1	В	B1	Tool No.	B2	T	Ød	L	
2-7/8	2-3/8	7/8	5/16	53630	1/4	1/4	1/2	2-3/8	
2-7/8	2-3/8	1-1/8	3/8	53632	3/8	1/4	1/2	2-5/8	

Replacement Bearing #47708; Screw #67090; Key #5004.























DEEP MORTISE AND LONG TENON CABINET DOORS





Deep mortise-and-tenon joinery will add to the strength of a cabinet door by increasing the glue surface area. To cut the mortises, use plunge router and Amana Tool® straight plunge bit #45414 (p.94).

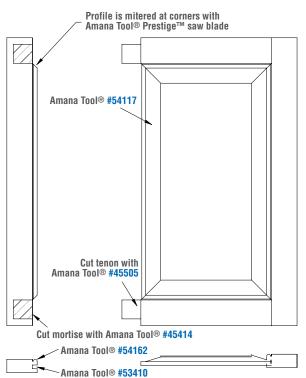
A common method for cutting tenons is with a tablesaw and a stacking dado head #658030 (p.209). Another option is to cut the tenon with a router table and mortising router bit #45505 (p.17). With either method, use the miter gauge to guide the stock along with the fence to control the tenon length.

When constructing a door with mortise-and-tenon joinery you have a number of different design options. For example, you can choose to shape a decorative "sticking" profile along the inside edges of the door frame. The sticking can be cut with any number of profile bits such as Amana Tool® #49510 (p.45) corner rounding router bit or #54170 (p.56) beading router bit. Where the profiles intersect in the corners of the frame, cut a miter on the stiles and rails with the Prestige™ PR1040 (p.190) saw blade on a tablesaw. Mitering the profile also allows you to use profiles that cannot be coped, such as the bead in the photo. Of course you can omit the sticking for a simple Mission Style door.

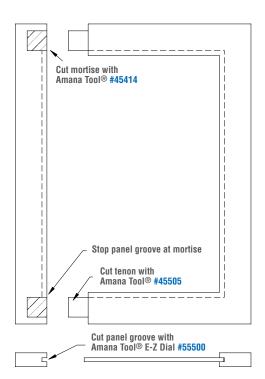
To cut the panel groove first decide what type of panel and panel material that you'll be using. There are a number of different raised panel profiles such as #54119 (p.93) and #54117 (p.92). To cut the 1/4" frame groove for the panel you can use Amana Tool® #53410 (p.78).

The E-Z Dial Slot Cutter #55500 (p.78) will allow you to cut an undersized groove for a plywood door panel. Most plywood is undersized and the E-Z Dial adjusts in increments of .004" so you can achieve a perfect fit.

Door with Metering Stick



Mission Door with Mortise & Tenon









1/2 3/4















LONNIE BIRD 1 UTER BIT SET

Patent Pending

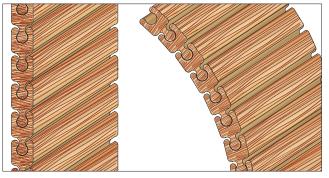
Lonnie Bird's Tambour Door Bits - requires no cloth or wires.

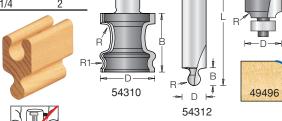
This two-piece router bit set is designed for creating tambours without the need for wires, canvas or glue. The unique design shapes slats that interlock. And, assembly is easy. Simply slide the slats together to create a beautiful, flexible tambour that's perfect for creating your own roll top desk, breadbox, or kitchen countertop storage areas.

Each slat measures approximately 1/2" x 1". For use only in a table-mounted router.



ØD	R	R1	Tool No.	В	Ød	L
Complete 3 P	iece Set		54314			
13/16	1/8	5/64	54310	13/32	1/2	2-3/4
1/2	5/64	_	54312	3/8	1/2	3
3/4	1/8	_	49496	3/8	1/4	2



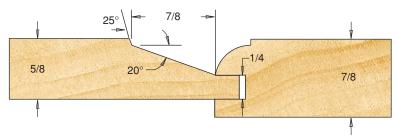


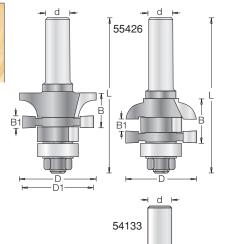


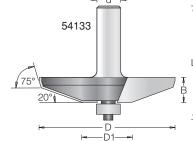
LONNIE BIRD HISTORICAL SHAKER DOOR **1/2" SHANK**

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

ØD	D1	В	B1	Tool No.	Ød	L	Туре
2-13/16	1	7/8	_	54133	1/2	2-1/64	Raised Panel
1-5/8	1-1/2	7/8	1/4	55426	1/2	3-1/2	2 Piece Set























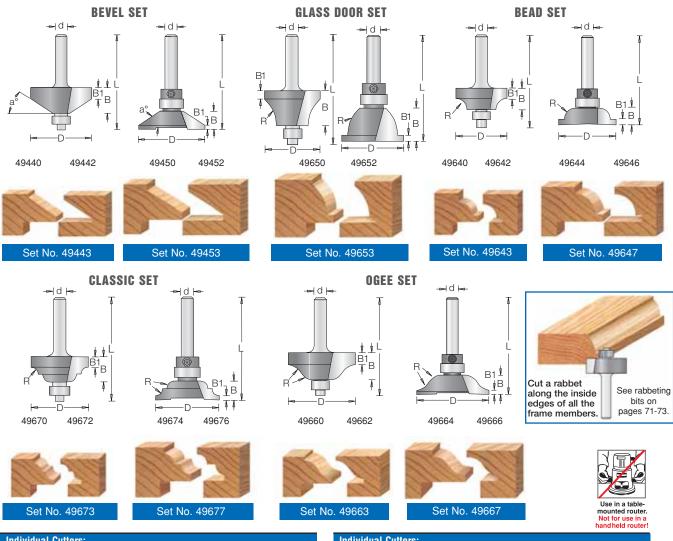


PROFILE SETS FOR GLASS DOORS, WINDOW, PANELING

AND MANY OTHER JOINERY APPLICATIONS
2 FLUTE WITH BALL BEARING GUIDES • 1/4" SHANK



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.



Individ	ual Cutt	ers:						
ØD	R	a°	В	Tool No.	B1	Ød	L	Туре
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

Individu	ıal Cutte	ers:						
ØD	R	a°	В	Tool No.	B1	Ød	L	Туре
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.

















Solid Surface



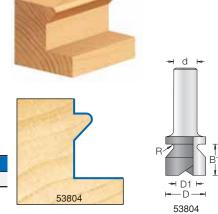
FINGER GRIP

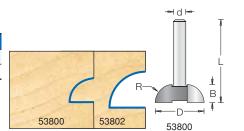
(DRAWER PULL, DOOR LIP, ETC.)

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	В	Tool No.	B1	Ød	L
7/8	1/2	1/16	13/16	53804	43/64	1/2	2-5/16

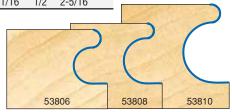


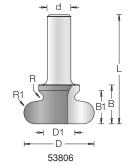


ØD	R	Tool No.	В	Ød	L
3/4	1/4	53800	1/4	1/4	1-3/4
1	3/8	53802	3/8	1/4	1-3/4

ØD	ØD1	R	R1	Tool No.	В	B1	Ød	L
3/4	25/64	3/32	3/16	53806♦	3/4	9/16	1/2	2-5/16
1-1/2	11/16	5/64	15/64	53808♦	13/16	45/64	1/2	2-5/16
1-3/4	11/16	3/32	5/16	53810♦	13/16	11/16	1/2	2-5/16



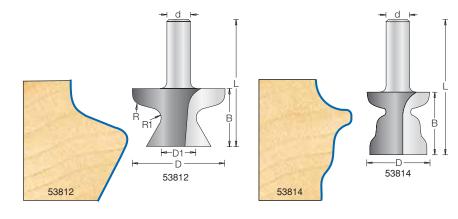


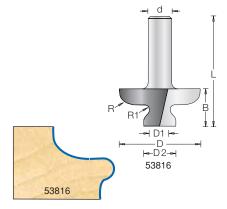


	ØD	ØD1	D2	R	Tool No	R1	В	Ød	L	
	2	3/4	-	1/4	53812♦	3/16	1-1/4	1/2	2-3/4	
	1-3/32	_	-	-	53814♦	_	1-1/4	1/2	2-3/4	
14 1	-21/32	.386	.649	1/2	53816♦	7/64	3/4	1/2	2-1/4	











Straight Plunge















Solid

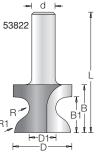
WINDOW SILL EDGE

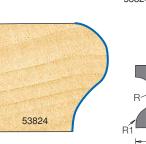


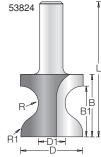
These bits shape a flowing ogee edge for creating traditional window sills.

ØD	D1	R	R1	Tool No	В	B1	Ød	L
1-1/4	1/2	7/32	1/4	53822	7/8	11/16	1/2	2-7/8
1-7/16	5/8	3/8	5/16	53824	1-3/16	1	1/2	3-7/8









d

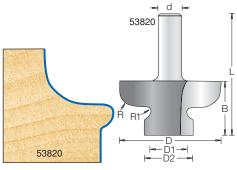
DOOR EDGE DETAIL

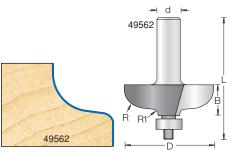
FOR (DECO)™ DOOR

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	В	Ød	L
2	23/32	31/32	3/8	53820	1/8	1-3/16	1/2	2-1/2
1-3/4	_	_	3/8	49562	3/8	11/16	1/2	2-5/8

Replacement bearing #47706 for Tool #49562.





DOOR LIP ASSEMBLY

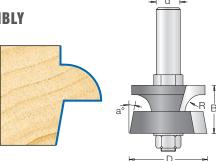
CORNER ROUND & TAPER RABBET • 2 FLUTE • COMPLETE ASSEMBLY

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

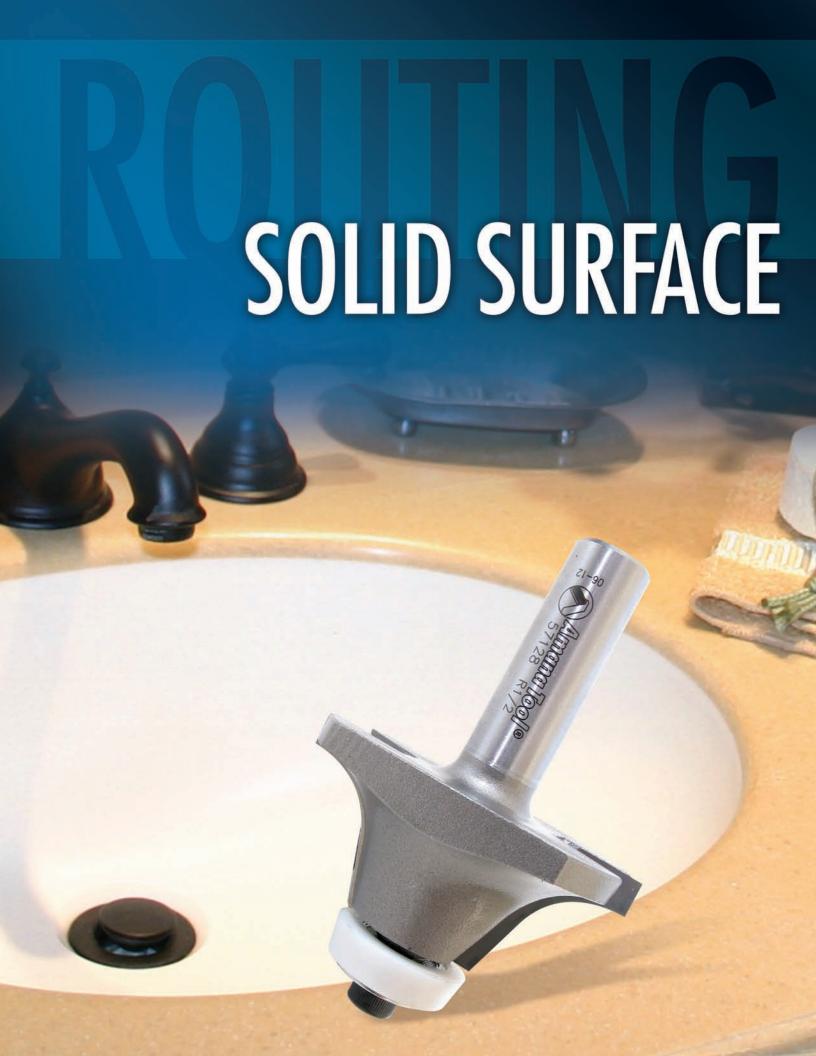
ØD	R	a°	Tool No.	В	Ød	L
1-9/16	3/8	10°	55300	1	1/2	3

Replacement P Order #	arts: Description
55302	3/8" corner round cutter
55304	10° taper rabbet cutter
47612	1/2" shank arbor with nut











Trimming & Beveling















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 carbidetipped router bits can also be used for solid surface materials.

Recommended by:



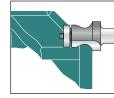
NOTE: The application specifications, current at time of publication, are intended for reference purposes and are subject to change without notice. Please refer to the Fabrication Guides provided with the particular material or bowl you are using for more specific installation instructions.

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

COUNTER-TOP 'NO-DRIP' DESIGN WITH BALL BEARING GUIDE

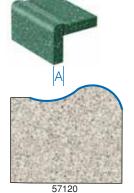
2 FLUTE

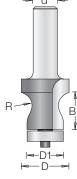
This bit will cut a 'no-drip' edge on kitchen and vanity counter-tops in one pass. Use in a handheld router.



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	ØD	ØD1	A	R	Tool No.	В	B1	Ød	L
1 3/4 3/4 5/16 57120 1-1/8 15/16 1/2 3-1/4	1	3/4		5/16	57118	7/8	5/8	1/2	3
1 0/1 0/10 0/10 1/2 0 1/1	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.

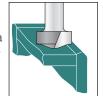




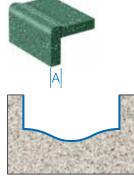
COUNTER-TOP 'NO-DRIP' DESIGN

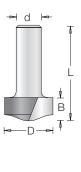
2 FLUTE

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.)



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





















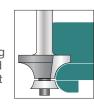




CORNER ROUNDING WITH ULTRA-GLIDE™ RADIUS BEARING

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.



								R	eplacement	
	ØD	ØD1	A	R	Tool No.	В	Ød	L	Bearing	
	1-5/8	5/8	1	1/2	57190	3/4	1/2	2-3/4	47767	
	2-1/8	5/8	1-1/2	3/4	57192	1	1/2	3	47768	
18	2-5/8	5/8	2	1	57194	1-1/4	1/2	3-3/16	47769	

Standard 1/4 x 5/8 bearing - use #47712 - (order separately).

WARNING: Maximum RPM 18 = 18,000

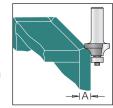


57190 57192 57194 - D1-→

CORNER ROUNDING WITH ULTRA-GLIDE™ **BALL BEARING GUIDE ASSEMBLY**

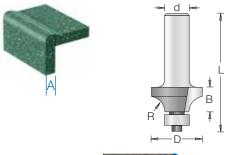
2 FLUTE

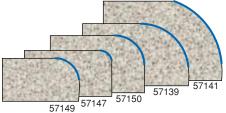
Use this bit for rounding edges where there's access to a flat surface for the Ultra-Glide™ non-marring bearing to reference. Used in concert with either the Countertop ('No-Drip') Design bit or the corner-rounding bit with a radius bearing, this bit will produce a no-drip edge or a bullnose in two passes.



		•					
ØD	A	R	Tool No.	В	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	
		0./4	F74.44		4 10	0.0/0	

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.

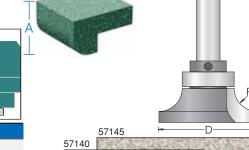
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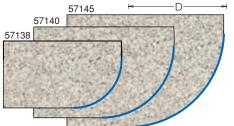
	ØD	Α	R	Tool No.	В	Ød	L	
	2-1/8	1	1/2	57138	3/4	1/2	2-7/8	
14	2-5/8	1-1/2	3/4	57140	1	1/2	3	
14	3-1/8	2	1	57145	1-3/8	1/2	3-5/16	

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









2 FLUTE

Router Bits

















SURFACE

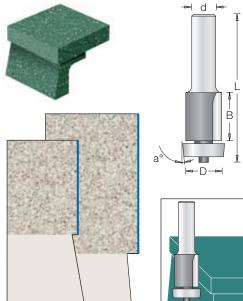
BOWL & SINK TRIM WITH ULTRA GLIDE™ BALL BEARING GUIDE

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	В	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

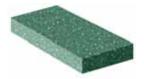


FLUSH TRIM WITH BALL BEARING GUIDE **4 FLUTE**

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	В	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.



57155 5°

57153 10°



ULTRATRIM™ SOLID CARBIDE SPIRAL TRIM WITH DOUBLE BALL BEARING GUIDE

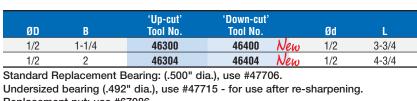
2 FLUTE

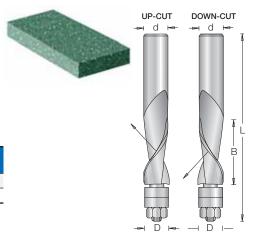
For the ultimate, chip-free finish in solid-surface, laminate, and melamine, and for template work of all kinds, use this solid carbide up-spiral bit. The twin ball-bearing pilot enhances the stability of the tool.

ØD	В	'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.

Replacement nut: use #67086.



























SOLID CARBIDE SPIRAL PLASTIC '0' FLUTE

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.

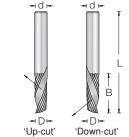
For SUPER CLEAN CUTS IN:

- Plastic Solid surface materials
- Foam board Wood



- Right Hand Helix
- Right Hand Cut





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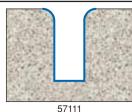
ØD	В	'Up-Cut' Tool No.	'Down-Cut' Tool No.	Ød	L	
1/8	1/2	51410	51510	1/8	2	
3/16	5/8	51412	51512	3/16	2	
1/4	3/4	51404	51504	1/4	2	

VENTING/SLOTTING WITH RADIUS EDGE

2 FLUTE

This bit is designed specifically to cut vents or drainage slots in solidsurface 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	В	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









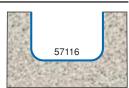
2 FLUTE

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	В	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















Trimming













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	В	Tool No.	C	Ød	L
12 3	3/16	57165	7/8 & 1	1/2	3-5/32
12 3-5/8	1/4	57166	1	1/2	3-9/32

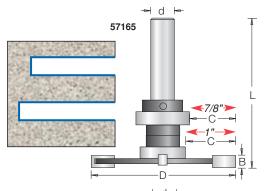
Tool No.	Bearing	Spacer	Collar	Key	
57165	47745, 47747	55371	47739	5002	
57166	47749	55363	47739	5002	

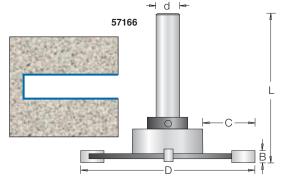


WARNING: Maximum RPM 12 = 12,000

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	В	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

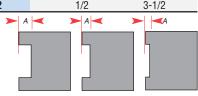
2 FI IITE

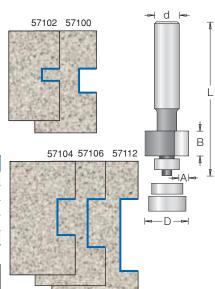
With the router resting securely on the top surface, you can groove countertop edges for decorative wood veneer, plastics, brass, or other metal inlays. Three ball bearings are provided with each tool to produce three different inlay depths-1/16", 1/8" or 3/16". Includes #5003 5/32" hex key.

ØD	В	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

























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

2 FLUTE

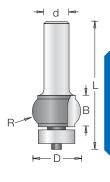
This bit cuts a large flute in the edge of a counter with the router resting on the top surface. For use on solid surface material.

ØD	R	В	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).







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

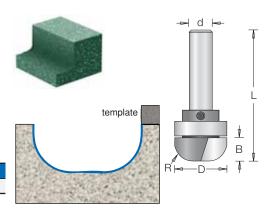
2 FLUTE

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	В	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.



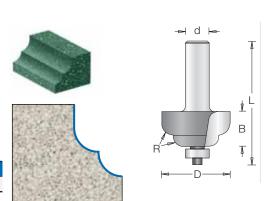
DOUBLE COVE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

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 $^{\text{TM}}$ bearing is gentle on the material.

ØD	R	Tool No.	В	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.



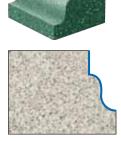
ROMAN OGEE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

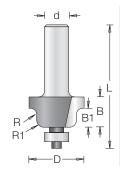
2 FLUTE

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.	В	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.























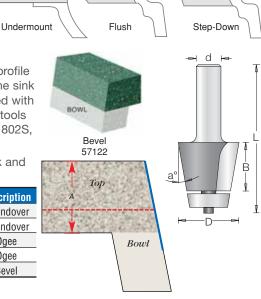
These bits prepare and/or finish counter-top edges in conjunction with undermount bowl installations. The roundover and ogee bits trim and profile the counter-top edges after the bowl is mounted. The bevel bit trims the sink cut-out flush with an installed undermount bowl, but it also can be used with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

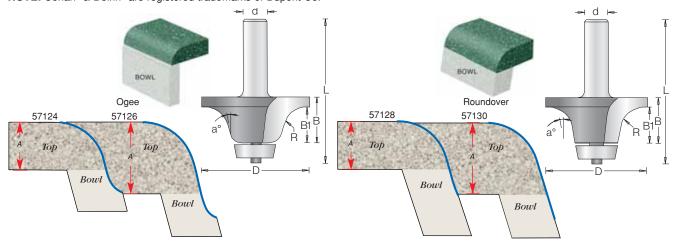
The bevel tool can be used in bevel mount applications of Corian® sink and bowl #'s 804A, 805A, 830A, 852LA, 852RA, and 854RA.

I	ØD	a°	R	A	Tool No.	В	B1	Ød	L	Description
ĺ	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
Ī	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
ĺ	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.





























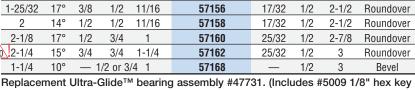
UNDERMOUNT BOWL WITH ULTRA-GLIDE™ **BALL BEARING GUIDE**

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

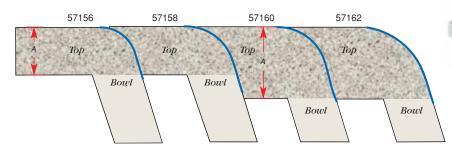
These bits are designed specifically for use in undermount installations of Corian® bowl #874-S. They trim and profile the counter-top edges after the bowl is mounted.

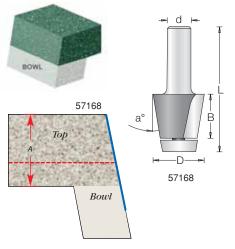
	ØD	a°	R	A	В	Tool No.	B1	Ød	L	Description
	1-25/32	17°	3/8	1/2	11/16	57156	17/32	1/2	2-1/2	Roundover
	2	14°	1/2	1/2	11/16	57158	17/32	1/2	2-1/2	Roundover
	2-1/8	17°	1/2	3/4	1	57160	25/32	1/2	2-7/8	Roundover
20	2-1/4	15°	3/4	3/4	1-1/4	57162	25/32	1/2	3	Roundover
	1-1/4	10°	— 1	/2 or 3	/4 1	57168	_	1/2	3	Bevel

and #67146 special flat head machine screw).

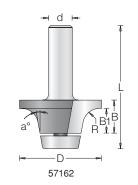


WARNING: Maximum RPM 20 = 20,000





BOWL



UNDERMOUNT PROFILE BOWL

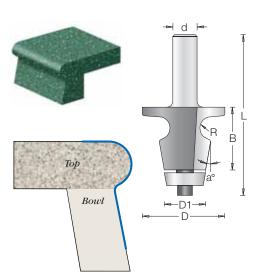
2 FLUTE WITH BALL BEARING GUIDE ASSEMBLY

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.	В	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.



















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Router Bits

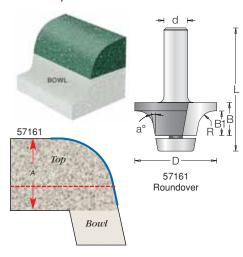
WILSONART® BOWL WITH ULTRA-GLIDE™ **BALL BEARING GUIDE ASSEMBLY**

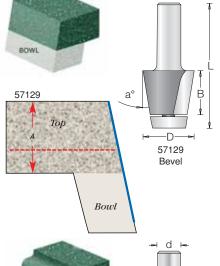
2 FLUTE

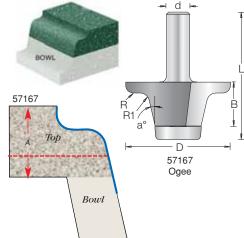
These three bits, designed specifically for use with the Wilsonart® bowl, produce three different edge treatments - a bevel with a hard edge, a bevel with a rounded-over edge, and a bevel with an ogee-profile edge. Use with any handheld router; the Ultra-Glide™ bearing guides the cut.

ØD	a°	R	R1	Counter-top Thickness - A	Tool No.	В	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 1/2 - 3/4	57167	15/16	_	1/2	2-3/4	Ogee

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







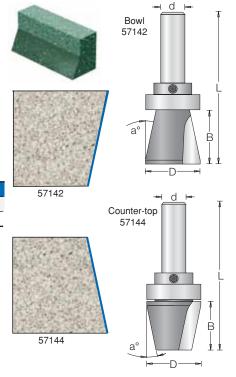
TOPMOUNT BOWL & COUNTER-TOP WITH BALL BEARING GUIDE

2 FLUTE

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

ØD	a°	В	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.

























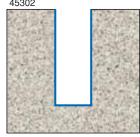
TOPMOUNT ROUTER EUROPEAN TYPE

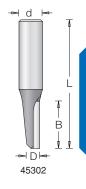
For sink cut-outs and to prepare counter-top for topmount installation of sink or bowl. Among others, can be used for Corian® sink and bowl #'s 830A, 852RA, 852LA, and 854RA.

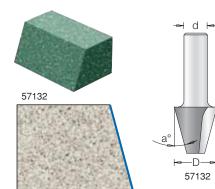
ØD	a°	В	Tool No.	Description	Ød	L
3/8	_	1	45302	1-Flute plunge bit	1/2	2-3/4
29/32	15°	15/16	57132	2-Flute bevel	1/2	2-1/2
31/32	_	5/8	57134	2-Flute Ogee bit	1/2	2-3/8

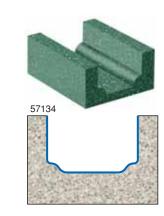
NOTE: Corian® & Delrin® are registered trademarks of Dupont Co.













BEVEL WITH BALL BEARING GUIDE

2 FLUTE

Forms a profile decorative edge for solid surface material.

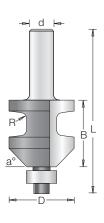
ØD	a°	R	Tool No.	В	Ød	L
1-3/8	45°	1/8	57226	1-7/16	1/2	3-1/2

Replacement bearing #47712.











Trimming & Beveling











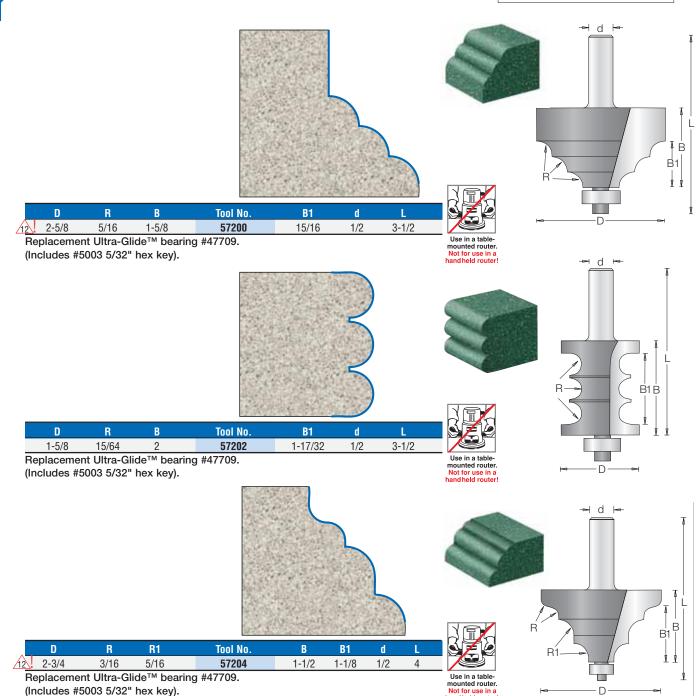


DECORATIVE EDGE WITH ULTRA-GLIDE™ BALL BEARING GUIDE ASSEMBLY

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.



















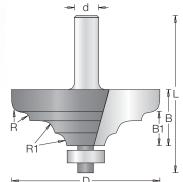












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Tool No. В1 1/4 3/16 57206 1-1/8 3/4 1/2 3

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



	D	R	R1	Tool No.	В	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).



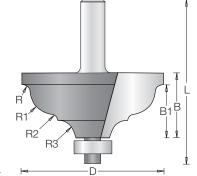


 hand held rou
₹

	D	R	R1	R2	Tool No.	R3	В	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).





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Trimming & Beveling











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SOLID SURFACE

DECORATIVE EDGE WITH ULTRA-GLIDE™ **BALL BEARING GUIDE ASSEMBLY**

2 FLUTE



В 15/16 3-7/16 1/2

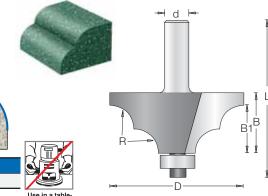
2-3/4 3/16 1-9/16 57212 Replacement Ultra-Glide™ bearing #47709. (Includes #5003 5/32" hex key).

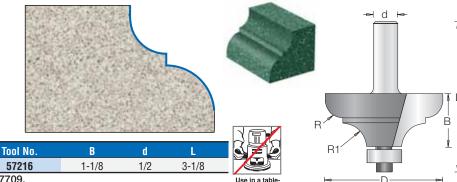




Tool No.

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





3/8 Replacement Ultra-Glide™ bearing #47709. (Includes #5003 5/32" hex key).

R1

1/2

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.





12 2-1/2













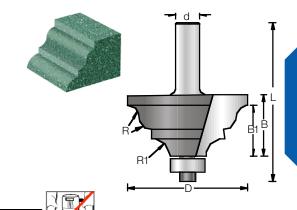






2 FLUTE





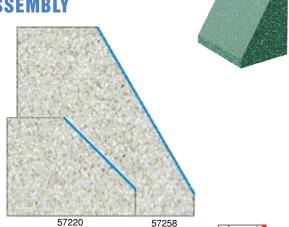
D	R	R1	Tool No.	В	B1	d	L
12 2-1/2	1/4	3/8	57218	1-1/4	1-1/16	1/2	3-5/8
Replaceme	ent Ultra-	Glide™ beari					

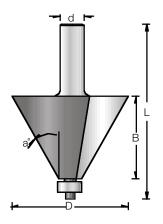
(Includes #5003 5/32" hex key).

CHAMFER WITH ULTRA-GLIDE™ **BALL BEARING GUIDE ASSEMBLY**

2 FLUTE

Chamfer and even bevel solidsurface edges with one of these two bits. These large bits must be run at reduced speed in a highhorsepower router.





	D	a°	Tool No.	В	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.

DOUBLE BULLNOSE WITH BALL BEARING GUIDE

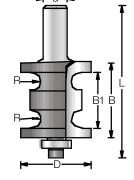
2 FLUTE

Cut bullnose profiles on two layers in a stack in one pass with this large cutter.



Maria Berning Golde	
	√ 😭 🗸

				200					
D	R	В	Tool No.	B1	d	Ĺ			
1-1/2	15/64	2	57238	1-1/2	1/2	3-1/8			
Replacement bearing #47712.									
^l		DD14 4	A				mounted router. Not for use in a hand held router!		









R1

Trimming & Beveling



Grooving









d ⊢



SOLID SURFACE

TAPERED REED WITH ULTRA-GLIDE™ **BALL BEARING GUIDE ASSEMBLY**

2 FLUTE

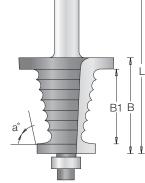
Taper and reed an edge in one operation with this bit, which can accommodate material up to 1-1/2" thick. Profile can be cut with or without a step at the top and/or bottom of the reeding. Use with a handheld router equipped with an edge guide. The pilot bearing is intended for use with a template.



1/2

3-1/8





78° 2 57240 1-1/2 Replacement Ultra-Glide™ bearing assembly #47707.

R

 \triangle ! WARNING: Maximum RPM $\frac{1}{18}$ = 18,000

MULTI RADIUS WITH ULTRA-GLIDE™ **BALL BEARING GUIDE ASSEMBLY**

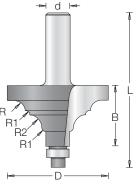
2 FLUTE

n

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.







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

Tool No.

MULTI REVERSE WITH ULTRA-GLIDE™

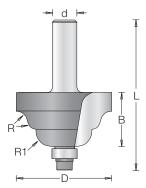
BALL BEARING GUIDE ASSEMBLY

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.

100		200	200		
SEE	E CO		SE		
2392	35.39	390	500		
3655	1176	367	1350	130	
855		1889	900	1200	
CALL TAN			543	200	
S#950:		Barr	for the		KIN I
10.029	William.	15,00	36.73	9000	700
1	SERVE	655			
50000	2000			UP TO	22579





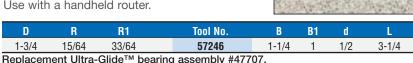
	D	R	R1	Tool No.	В	d	L
	2	11/64	3/8	57244	1-1/8	1/2	3-1/4
_				 			

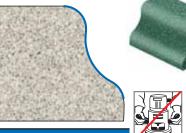
Replacement Ultra-Glide™ bearing assembly #47707.

LONG OGEE WITH ULTRA-GLIDE™ **BALL BEARING GUIDE ASSEMBLY**

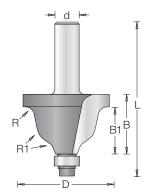
2 FLUTE

To soften and beautify a thick or builtup edge, use this bit, which cuts a vertically elongated reverse ogee profile. Use with a handheld router.



























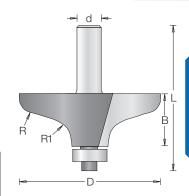


DECORATIVE EDGE WITH ULTRA-GLIDE™ **BALL BEARING GUIDE ASSEMBLY**

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.





	D	R	R1	Tool No.	В	d	L	
15	3	5/16	1/2	57248	1-1/8	1/2	3-1/8	
			OU L TM L .		00			

Replacement Ultra-Glide™ bearing assembly #47709.

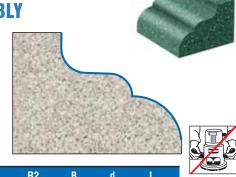


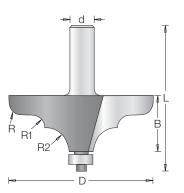
WARNING: Maximum RPM 15 =15,000



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 guarter-round. 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.	R2	В	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.



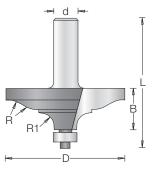
WARNING: Maximum RPM 16 = 16,000

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 solidsurface 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



2-3/4



and run a					
D	R	R1	Tool No.	В	d

Replacement Ultra-Glide™ bearing #47707.

19/64

19/32



7/8

57254



Trimming & Beveling











Router Bits

Grooving

Profiling

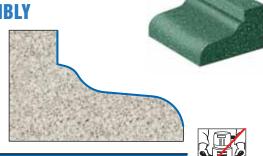
Rabbeting

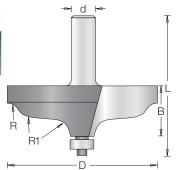
SOLID SURFACE

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.



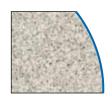


	D	R	R1	Tool No.	В	d	L
1	3-1/8	13/64	23/64	57256	1-1/8	1/2	2-15/10
	Donlacom	ont Illtra C	lido TM boori	na #47707			

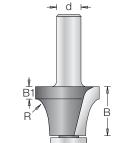
Replacement Ultra-Glide™ bearing #47707.

 \triangle ! WARNING: Maximum RPM 4 = 14,000

DECORATIVE EDGE TRIM







D	В	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.





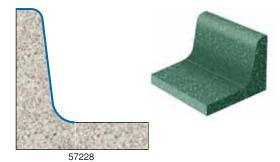
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Í	/	7 7 1	
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S		7	
		B	
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D	В	Tool No.	d	L	
5/8	1-13/16	57260	1/2	3-1/8	

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.



u
R' B1 B1
R1 a° L LL

	D	a°	R	R1	Tool No.	В	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























MASTER ROUTER SET

ORDER NO. AMS-124 2 FLUTE • 1/4" SHANK

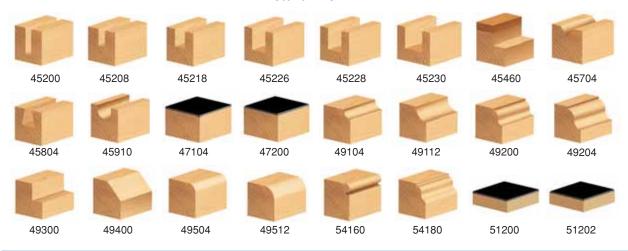


For any woodworker, our "master" set provides bits for the most common, frequently performed routing operations. It includes bits for cutting traditional joints - dadoes and rabbets, sliding dovetails, mortises and tenons, laps and half-laps. It includes bits for profiling edges and embellishing broad 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



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



















Sets include a custom-made hardwood storage case.

















ORDER NO. AMS-208 2 FLUTE • 1/2" SHANK

8-PIECE PROFILE SET

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.





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.



49518



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.







Set No. AMS-203

Sets include a custom-made hardwood storage case.



















2-PIECE STILE & RAIL/HORIZONTAL **RAISED PANEL SETS**

ORDER NO. AMS-300 2 FLUTE • 1/2" SHANK

This easy-to-use set combines the twopiece 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 tablemounted router; the panel-raiser must be run at reduced RPM's.



54118



ORDER NO. AMS-301 2 FLUTE • 1/2" SHANK

This easy-to-use set combines the twopiece 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 tablemounted router; the panel-raiser must be run at reduced RPM's.



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 tablemounted router: the panel-raiser must be run at reduced RPM's.





3-PIECE DOOR MAKING SET

ORDER NO. AMS-404 2 FLUTE • 1/2" SHANK **RAISED PANEL WITH BACKCUTTER**

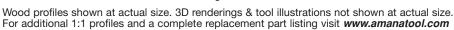
This three-piece set combines the two-piece ogee stile-and-rail cutter set with a cove raised panel bit with a backcutter. Use only in a tablemounted router; the panel-raiser must be run at reduced RPM's.





54229

Sets include a custom-made hardwood storage case.







PLUNGE













Door Making

8-PIECE PROFILE SET

ORDER NO. AMS-108 2 FLUTE • 1/4" SHANK



Set No. AMS-108

















49112 49512 **CORNER ROUND BEADING SET**

ORDER NO. AMS-550 - 2 FLUTE • 1/4" SHANK

Consists of one each of the following:

49496 Radius corner round, 1/4" Shank 49500 3/16" Radius corner round, 1/4" Shank 2. 3. 4. 5. 6. 7. 49504 Radius corner round, 1/4" Shank 3/8" Radius corner round, 1/4" Shank 1/2" Radius corner round, 1/4" Shank 49512 49516 3/16" x 3/8" bearing (changes all above to beading)

47702 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:

49506 Radius corner round, 1/2" Shank Radius corner round, 1/2" Shank Radius corner round, 1/2" Shank 2. 49514 49518 Radius corner round, 1/2" Shank Radius corner round, 1/2" Shank 4. 49519 5/8" 5. 49520 6. 7. 3/16" x 3/8" bearing (changes all above to beading) 47702

5000 3/32" Hex key



Set No. AMS-555









Bead







Set No. AMS-118 1/2" Shank







1/4' Corner Round

1/4'

3/8' Bead Corner Round

3/8'

1/2 Corner Round

5/8" 1/2' Corner Round Bead

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:

1/2" Radius cove bit, 1/2" shank 49118

1/2" Radius corner round bit, 1/2" shank 49518

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. 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







TOOLING

LONG LASTING INSERT KNIVES PROVIDE SUPERIOR SMOOTH QUALITY CUTS **EVERY TIME**.

- Quick and precise replacements of dull knives.
- Due to insert accuracy tool life is extended.
- Insert tooling allows for harder grades of carbide.
- Special carbide grades for special applications.
- Knives can be re-sharpened multiple times without affecting the original profile
- Cost effective solution compared to replacing brazed router bits.





















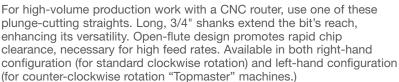




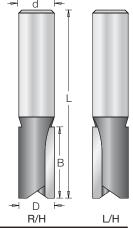
STRAIGHT PLUNGE **OPEN FLUTE**

3/4" SHANK









		R/H	L/H			
ØD	В	Tool No.	Tool No.	Ød	L	
3/4	2	45455	45454	3/4	5	
3/4	2-1/2	45456	45457	3/4	4-1/2	
3/4	1-1/4	45458	_	3/4	3-1/4	

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

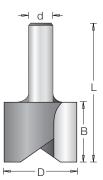
STRAIGHT PLUNGE OPEN FLUTE

1/2" AND 3/4" SHANK

2 FLUTE

Mill broad surfaces with any of these large-diameter, plunge-cutting bits. The open flute design provides excellent chip clearance, essential for the high feed rates characteristic of CNC routers.



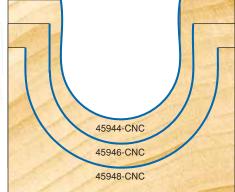


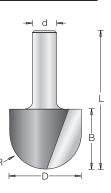
ØD	В	Tool No.	Ød	L
1-1/4	1-1/4	45450-CNC	1/2	2-7/8
1-1/2	1-1/4	45452-CNC	1/2	2-7/8
1-3/4	1-1/4	45453-CNC	1/2	2-7/8
2	1-1/4	45480-CNC	3/4	3-1/2

CORE BOX 2 FLUTE



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





ØD	R	В	Tool No.	Ød	L	Max. RPM
1-1/4	5/8	1-1/4	★ 45944-CNC	1/2	2-3/4	18,000
1-1/2	3/4	1-1/4	★45946-CNC	1/2	2-3/4	18,000
2	1	1-1/4	★45948-CNC	1/2	2-3/4	18,000

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





















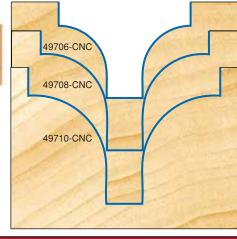


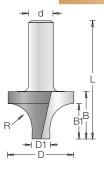


ROUND OVER 2 FLUTE



This bit creates a flat-bottom groove between two quarter-round shapes. Short vertical walls extending below the radius lend extra depth to the appearance. Depending upon the cut depth adjustment, the radii can be flush with the work surface or recessed. The profile can be formed on an edge using an edge guide or on the router table using a fence.





	ØD	ØD1	R	Tool No.	В	B1	Ød	L
14	1-3/8	23/64	1/2	★49706-CNC	1	3/4	1/2	2-1/2
14	1-3/4	1/2	5/8	★49708-CNC	1-1/4	1	1/2	2-3/4
14	. 2	1/2	3/4	★49710-CNC	1-7/16	1-1/8	1/2	2-15/16

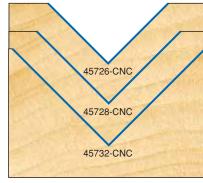
★WARNING: These tools have an open flute design (not anti-kickback) and are intended for high feed-rate CNC machine use only. Do not use in portable routers.

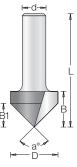
'V' GROOVE

2 FLUTE



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





ØD	a°	В	Tool No.	B1	Ød	L
18 1-1/4	90°	3/4	★45726-CNC	5/8	1/2	2-1/2
18 1-1/2	90°	1	★45728-CNC	3/4	1/2	2-3/4
18 2	90°	1-3/4	★45732-CNC	1	1/2	3-1/4

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

NOTE: 90° 'V' Groove bits are for decorative purposes and are not intended for 'miter-folding', etc.



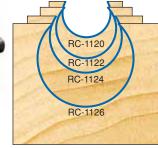
WARNING: Maximum RPM 14 = 14,000; 18 = 18,000

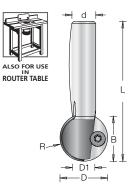
BALL END INSERT ROUTER BIT





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	В	Flutes	R	Tool No.	Ød	Ţ	Screw#	Repl. T.C. Knife
1/2	13/32	1/4	1	1/4	RC-1120	1/2	2-5/8	67112	RCK-51
5/8	13/32	5/16	1	5/16	RC-1122	1/2	2-3/4	67112	RCK-52
3/4	19/32	3/8	2	3/8	RC-1124	1/2	2-5/8	67112	RCK-53
1	43/64	1	2	1/2	RC-1126	1/2	2-7/8	67115	RCK-54

















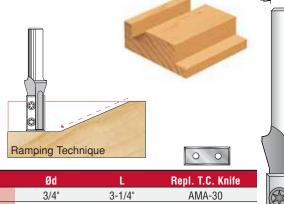






INSERT STRAIGHT ROUTER BIT SINGLE & DOUBLE FLUTE

This group of router bits are not designed to plunge. Using the "ramping technique" the router is eased in and routes. Available in three different grades of carbide for various applications.



ØD	В	Flutes	Tool No.	Ød	L	Repl. T.C. Knife
1/2"	30(1-3/16")	1	RC-2154	3/4"	3-1/4"	AMA-30
5/8"	30(1-3/16")	1	RC-2156	3/4"	3-3/8"	RCK-30
5/8"	50(2")	1	RC-2158	3/4"	4-1/8"	RCK-50
5/8"	30(1-3/16")	2	RC-2080	3/4"	3-3/8"	AMA-30
5/8"	50(2")	2	* RC-2082	3/4"	4-1/8"	AMA-30
3/4"	30(1-3/16")	1	RC-2160	3/4"	3-3/8"	RCK-30
3/4"	50(2")	1	RC-2162	3/4"	4-1/8"	RCK-50
3/4"	30(1-3/16")	2	RC-2084	3/4"	3-3/8"	RCK-30
3/4"	50(2")	2	* RC-2086	3/4"	4-1/8"	RCK-30
7/8"	30(1-3/16")	1	RC-2164	3/4"	3-3/8"	RCK-30
7/8"	50(2")	1	RC-2166	3/4"	4-1/8"	RCK-50
7/8"	30(1-3/16")	2	RC-2088	3/4"	3-3/8"	RCK-30
7/8"	50(2")	2	* RC-2090	3/4"	4-1/8"	RCK-30
7/8" 7/8" 7/8"	50(2") 30(1-3/16")	2	RC-2166 RC-2088 * RC-2090	3/4"	4-1/8" 3-3/8"	RCK-50 RCK-30

NOTE: All above two flute router bits have two cutting edges per knife.

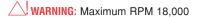
WARNING: Recommended RPM 14,000-18,000

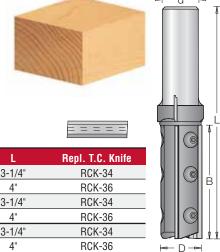
INSERT STRAIGHT ROUTER BIT

2 FLUTE & 3 FLUTE

Tested by many of the world's largest furniture manufacturers, these new CNC router bits yield cuts which are cleaner than typical insert bits. Unlike the other style of straight insert bits this category has a channel whereby the carbide is inserted and tightened. This tool is specifically suited for peripheral

work. Availar	ole with double ar	na tripie flutes.				
ØD	В	Flutes	Tool No.	Ød	L	Repl. T.C. Knife
5/8"	30(1-3/16")	2	RC-3204	3/4"	3-1/4"	RCK-34
5/8"	50(2")	2	RC-3208	3/4"	4"	RCK-36
3/4"	30(1-3/16")	2	RC-3260	3/4"	3-1/4"	RCK-34
3/4"	50(2")	2	RC-3264	3/4"	4"	RCK-36
3/4"	30(1-3/16")	3	RC-3300	3/4"	3-1/4"	RCK-34
3/4"	50(2")	3	RC-3304	3/4"	4"	RCK-36
3/4"	30(1-3/16")	3	RC-3305	5/8"	3-1/4"	RCK-34
3/4"	50(2")	3	RC-3307	5/8"	4"	RCK-36







^{*50}mm cutting edge is achieved using two 30mm staggered knives.

















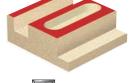






INSERT SUPER PLUNGE ROUTER BIT

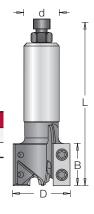
This router bit is designed for fast and direct penetration into the material and quick removal of wood, MDF, melamine and man-made material.







ØD	В	Ød	L	Teeth	Tool No.	Repl. T.C. Knife	Repl. T.C. Knife	Max. RPM
40(1-1/2")	29.5(1-5/32")	3/4"	100(4")	2+2	RC-2180	RCK-30	AMA-12	18,000
60(2-3/8")	29.5(1-5/32")	3/4"	100(4")	2+2	RC-2182	RCK-30	ICK-30	18,000



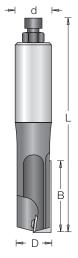
INSERT STRAIGHT ROUTER BIT WITH PLUNGE CENTER TIP

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





ØD	В	Ød	L	Tool No.	Repl. T.C. Knife	Repl. T.C. Knife	Max. RPM
18(23/32")	30(1-3/16")	3/4"	105(4-1/8")	RC-2060	RCK-160	RCK-30	18,000
18(23/32")	50(2")	3/4"	125(5")	RC-2062	RCK-162	RCK-50	18,000



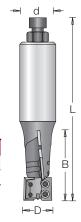
INSERT UP & DOWN SHEAR ROUTER BIT

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





ØD	В	Ød	Tool No.	L	Repl. T.C. Knife	Max. RPM
20(25/32")	30(1-3/16")	3/4"	RC-2300	110(4-11/32")	RCK-16	18,000
20(25/32")	50(2")	3/4"	RC-2304	130(5-1/8")	RCK-28	18,000





CNCRouter Bits















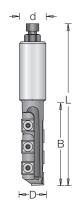




INSERT STAGGER-TOOTH ROUTER BIT

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



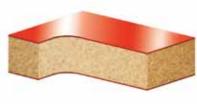


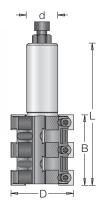


ØD	В	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
22(7/8")	42(1-11/16")	3/4"	RC-4200	115(4-9/16")	18,000	AMA-12
22(7/8")	62(2-7/16")	3/4"	RC-4204	135(5-5/16")	18,000	AMA-12

INSERT ROUGH RABBETING & SIZING ROUTER BIT

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







ØD	В	Ød	Tool No.	L	Max. RPM	# of blades	Repl. T.C. Knife
50(2")	56(2-13/64")	3/4"	RC-2350	113(4-1/2")	18,000	10	AMA-12
50(2")	78(3-1/16")	3/4"	RC-2354	135(5-5/16")	18,000	14	AMA-12



























INSERT STRAIGHT RABBETING WITH SCORER 2+2 DESIGN

Insert rabbeting router bit complete with two cutting flutes and scorer. Suitable for trimming and rabbeting in softwood, hardwood and man-made boards. Scorer will give an improved finish at the bottom of the cut. For use on routers and machining centers with CNC control.







	C

ØD	В	Ød	L	Tool No.	Max. RPM	Repl. T.C. Knife	Repl. T.C. Knife
40(1-1/2")	30(1-3/16")	3/4"	100(4")	RC-2380	18,000	RCK-30	RCK-70
40(1-1/2")	50(2")	3/4"	120(4-3/4")	RC-2381	18,000	RCK-50	RCK-70
60(2-3/8")	30(1-3/16")	3/4"	100(4")	RC-2382	18,000	RCK-30	RCK-70
60(2-3/8")	50(2")	3/4"	120(4-3/4")	RC-2383	18,000	RCK-50	RCK-70

INSERT SPOILBOARD SURFACING & RABBETING WITH SCORER 2+2 DESIGN Insert spoilboard, planing and rabbeting router bit complete with two cutting flutes and two up-shear scorer will give excellent results in MDF, Balsa Core, hardwood, softwood and all man-made materials. A good tool for fast removal of materials over a large surface area. The scorer will give an improved finish at the bottom of the cut. 0

ØD	В	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
80(3-1/8")	12(15/32")	3/4"	RC-2252	90(3-1/2")	18,000	HMA-12, HCK-70

For Additional Knives see page 160.



To produce MDF Shaker cabinet doors use RC-2252 and square corners with 45200.





CNCRouter Bits



















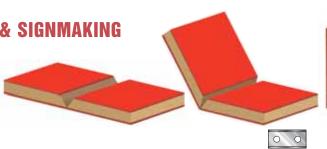




'V' GROOVE - "MITER FOLD" & SIGNMAKING INSERT ROUTER BIT

SINGLE FLUTE & 2 FLUTE

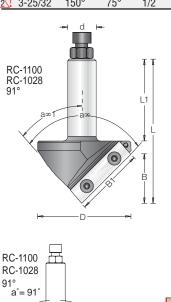
Designed to miter fold MDF, melamine and wood to a perfect joint.

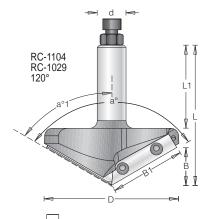


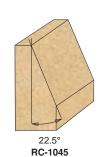


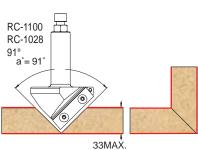
3/4" SHANK

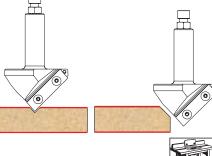
	ØD	a°	a°1	В	B1	Flutes	Tool No.	Ød	L1	L	Repl. T.C. Knife	Torx® Screw
18	2-5/8	90°	45°	1-9/32	1-27/32	1	RC-1030	3/4	2-5/32	3-13/16	RCK-133	67110
18	2-5/8	91°	45.5°	1-5/16	1-3/8	1	RC-1028	3/4	2-3/8	3-7/8	RCK-117	67110
12	3-13/32	120°	60°	31/32	1-31/32	2	RC-1029	3/4	2-3/8	3-27/32	RCK-112	67115
12	3-27/32	130°	60°	13/16	1-31/32	2	RC-1025	3/4	2-3/8	3-7/8	RCK-112	67115
12	3-25/32	150°	75°	1/2	1-31/32	2	RC-1027	3/4	2-3/8	3-1/2	RCK-112	67115

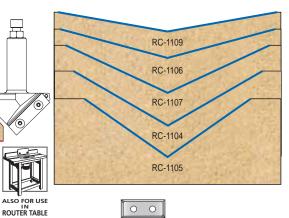












1/2" SHANK

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

WARNING: Maximum RPM 22 = 12,000; 44 = 14,000; 46 = 16,000; 48 = 18,000; 22 = 22,000 Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For a complete replacement parts listing for the above tools please refer to our website: www.amanatool.com























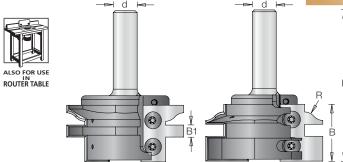


INSERT STILE & RAIL SET

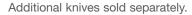


FOR 3/4" TO 1-3/16" MATERIAL

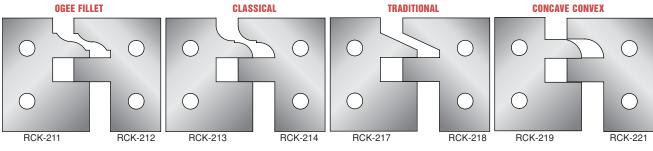
Our stile and rail sets give you two complete bits, one for doing the rail cuts and one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications.



ØD	В	B1	R	Tool No.	Ød	C	L	Max. RPM
2-5/8	1-11/64	1/4	1/4	*RC-1130	1/2	3/8	3-1/8	18,000
*Set comes	with Ogee Kniv	ves installed	(RCK-215 & R	CK-216)		29/	/32" — G	EE 29/32"
					13/16"	0	3/8"	148



3/16" RCK-215 RCK-216 CLASSICAL **TRADITIONAL CONCAVE CONVEX**



INSERT STILE & RAIL WITH EASED EDGE SET 1/2" DEEP TONGUE & GROOVE

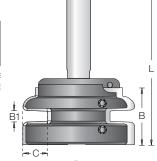


FOR 3/4" TO 1-5/16" MATERIAL

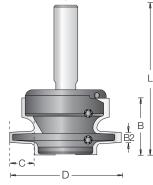
Our stile and rail sets give you two complete bits, one for doing the rail cuts and one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications.







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ØD	В	B1	B2	Ød	Tool No.	C	L	Max. RPM	Repl. T.(C. Knife
2-3/8"	1-3/16"	1/4"	5.5(7/32")	1/2"	RC-1132	1/2"	2"	18,000	RCK-340	RCK-342

0



2 FLUTE

CNCRouter Bits

















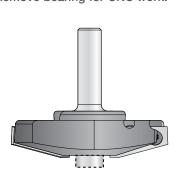


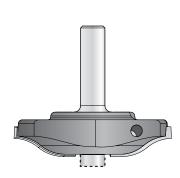
INSERT RAISED PANEL

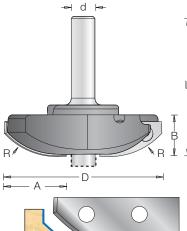


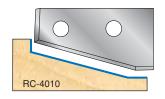
Insert Raised panel bits for CNC machine or router table. Bits include ball bearing & anti-dust plug. May also be used with optional back cutter below. Remove bearing for CNC work.

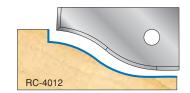


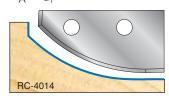












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ØD	В	Ød	R	Tool No.	A	L	Repl. T.C. Knife
3-3/8	51/64	1/2	-	RC-4010	1-3/8	2-3/4	RCK-224
3-3/8	3/4	1/2	7/8	RC-4012	1-3/8	2-3/4	RCK-226
3-3/8	27/32	1/2	1-37/64	RC-4014	1-7/16	2-7/8	RCK-228

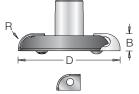


All above Insert Raised panel bits include plug, ball bearing and retaining screw.

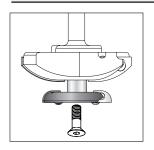
BACK CUTTER (OPTIONAL)







ØD	В	Tool No.	R	Repl. T.C. Knife	
2-1/8	23/64	RC-4102	5/16	RCK-232	

































ADJUSTABLE INSERT MISSION TONGUE & GROOVE SET

FOR 5/8" TO 1-3/16" MATERIAL

Adjust the panel groove width from 5.4mm - 6.6mm using the easy to use adjustment knob - no shims necessary.



PATENT PENDING

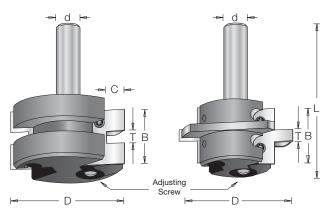


The perfect fix for undersized plywood flat panel "Mission Style, Arts & Crafts and Shaker" cabinet doors! Set includes unique adjustment system.

- Designed to cut precise grooves to provide undersized plywood veneered panels with a snug rattle free fit.
- Each set includes 2 pcs. (1 for stile cuts & 1 for rail cuts)



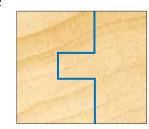


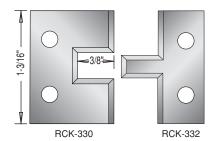


ØD	В	Ød	C	Tool No.	T	L	Max. RPM
2-3/8"	1-3/16"	1/2"	3/8"	*RC-4022	6.1-6.6(1/4" + -)	2-15/16"	18,000

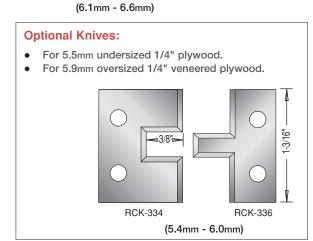
*Set includes RCK-330 & RCK-332





























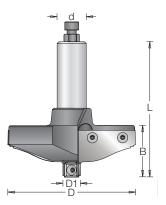




INSERT MULTI PROFILE RAISED PANEL ROUTER BIT

Insert profile router bit with two cutting flutes. Suitable for producing various raised panel profiles in softwood, hardwood and man-made boards. Tool can be supplied complete with a small trimmer for machining the edge of the panel. One router will take all eight different profiles. For use on routers and machining centers with CNC control.





INFINITY SYSTEM



ØD	ØD1	В	Tool No.	Ød	L	Max. RPM	Repl. T.C. Knife
112(4-7/16")	18(23/32")	28(1-1/8")	RC-4000	3/4"	110(4-11/32")	12,000	RCK-200
112(4-7/16")	18(23/32")	28(1-1/8")	RC-4001	3/4"	110(4-11/32")	12,000	RCK-210
112(4-7/16")	18(23/32")	28(1-1/8")	RC-4002	3/4"	110(4-11/32")	12,000	RCK-220
112(4-7/16")	18(23/32")	28(1-1/8")	RC-4003	3/4"	110(4-11/32")	12,000	RCK-230
112(4-7/16")	18(23/32")	28(1-1/8")	RC-4004	3/4"	110(4-11/32")	12,000	RCK-240
112(4-7/16")	18(23/32")	28(1-1/8")	RC-4005	3/4"	110(4-11/32")	12,000	RCK-250
112(4-7/16")	18(23/32")	28(1-1/8")	RC-4006	3/4"	110(4-11/32")	12,000	RCK-260
112(4-7/16")	18(23/32")	28(1-1/8")	RC-4007	3/4"	110(4-11/32")	12,000	RCK-270

TRIMMER BIT (OPTIONAL)

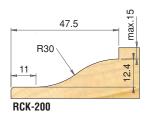


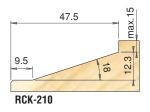
ØD1	В	B1	Tool No.	Ød	L	Repl. T.C. Knife
18(23/32")	12(15/32")	18(23/32")	RC-4100	8(5/16")	31(1-1/4")	AMA-12
				=		_

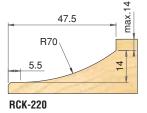


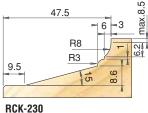


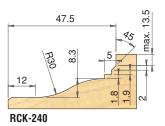
INSERT KNIVES FOR MULTI PROFILE RAISED PANEL ROUTER BIT

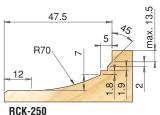


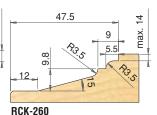












47.5 5.1 R6 6.7 **RCK-270**

(Wood profiles not shown at actual size.)





















CNCRouter Bits



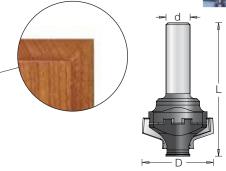


Cuts a decorative edge on door cabinet fronts. Shallow design will also work well with European hinges.



ALSO FOR USE IN ROUTER TABLE





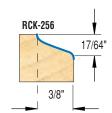
ØD	Ød	Tool No.	L
1-1/2	1/2	* RC-2120	2-25/32

^{*}RCK-252 included (2).

Additional knife sets sold separately.









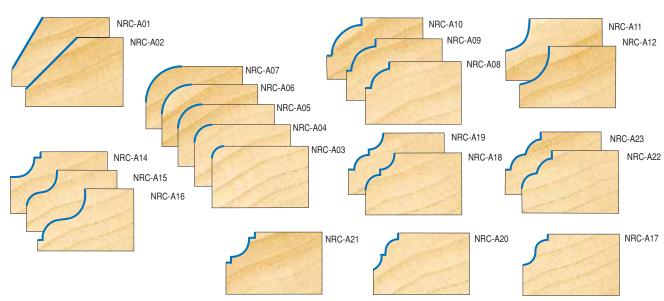
MULTI-FACE PROFILE (EDGE) FORM ROUTER BIT

This innovative cutter is part of our patent pending Nova System (see pages 50-51). The hard, durable carbide blades provide durability, even on abrasive sheet stock. And because the profiles are interchangeable, you'll only need to purchase one bit. Choose from a wide variety of popular profiles illustrated below.



ØD	В	Ød	Tool No.	L	L1	Max. RPM
40(1-1/2")	17.5(11/16")	3/4"	* RC-2470	110.5(4-3/8")	2.5(3/32)"	28,000

^{*}NRC-A13 included.

























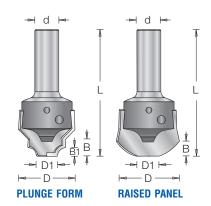


This series of profiles utilizing our patented Nova™ Tool body system of interchangeable carbide insert knives (see pages 50-51) are designed to give the appearance of a Raised Panel door in MDF or solid panels.

One pass is all that is needed for a simple raised panel look using one of the "Plunge Form" profiles.

Replacement knives are MDF Grade Carbide and will last much longer than standard brazed carbide tipped bits.

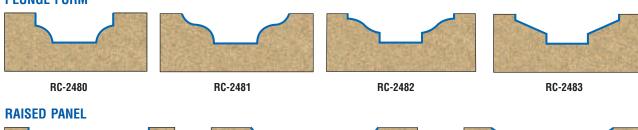


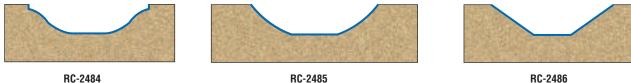


ØD	D1	В	Style	Tool No.	B1	Ød	L	Repl. T.C. Knife
25/32	7/16	23/64	Bead	RC-2480	3/16	1/2	2-5/8	RCK-480
25/32	7/16	15/32	Ogee	RC-2481	_	1/2	2-5/8	RCK-481
25/32	7/16	7/16	Ogee	RC-2482	1/4	1/2	2-5/8	RCK-482
1-3/8	15/32	25/64	Traditional	RC-2483		1/2	2-5/8	RCK-483
1-7/64	7/16	1/4	Ogee	RC-2484	7/64	1/2	2-5/8	RCK-484
1-11/32	23/64	17/64	Cove	RC-2485		1/2	2-5/8	RCK-485
1-11/32	25/64	21/64	Traditional	RC-2486		1/2	2-5/8	RCK-486
					· · · · · · · · · · · · · · · · · · ·			

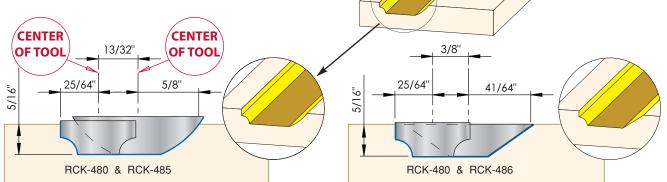
Replacement knives are interchangeable and may be purchased separately.

PLUNGE FORM





To create a more authentic raised panel with a deeper reveal, use one of the many "Raised Panel" profiles in conjunction with the "Plunge Form" profile for one pass each. Complete the look with one pass of the "door edge" (see page 137) on the outside of the door.



















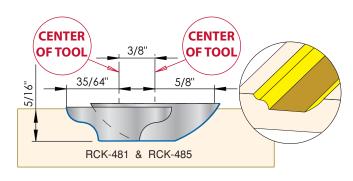


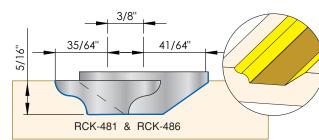


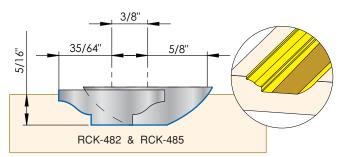


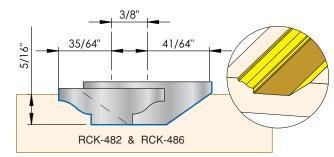


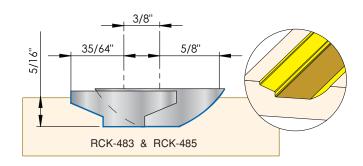
MDF CABINET DOORS INSERT BITS (CONTINUED)

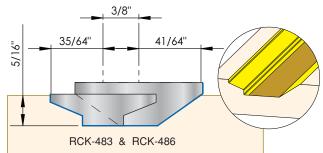


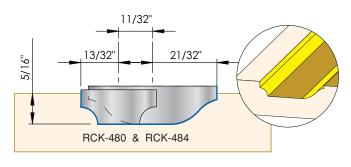


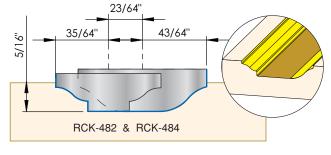


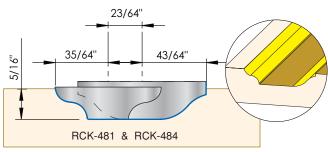


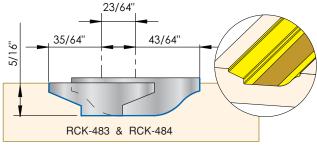


















CNCRouter Bits



















W+33.3

Ød

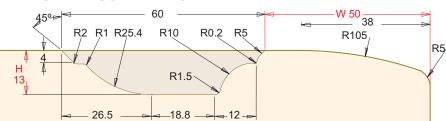
L

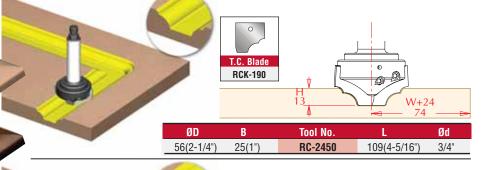


CNC MULTI PROFILE CARBIDE INSERT ROUTER BITS

FOR MDF CABINET DOORS





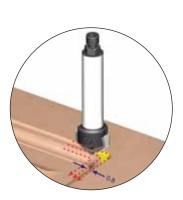


0

RCK-192

В

Tool No.



W = width of the frame.

H = maximum depth of the frame.

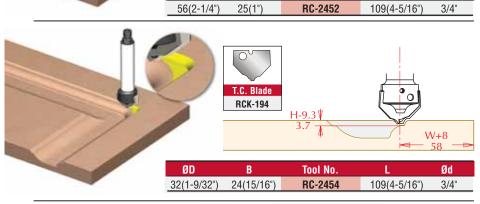
The dimension W determines the frame width.

The dimension H determines the profile depth.

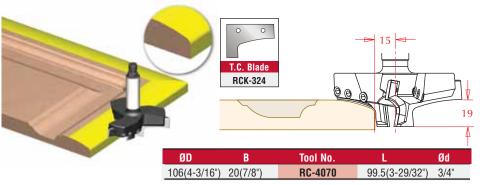
In the example shown,

W = 50 and H = 13.

Any change in the dimensions of the frame width and depth should be done according to the formula that is written on each tool drawing.



ØD























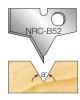




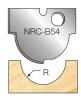
MULTI-FACE PROFILE ROUTER BIT

This selection of bits is specifically designed for plunge cutting. The sharp point ensures a clean, smooth entry, and the special carbide inserts can be quickly and easily replaced.













d

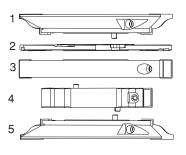
ØD	a°	R	Profile	Tool No.	Ød	L	Max. RPM
29.5(1-5/32")	45	_	NRC-B51	RC-2460	3/4"	82.5(3-1/4")	28,000
29.5(1-5/32")	30	_	NRC-B52	RC-2462	3/4"	82.5(3-1/4")	28,000
29.5(1-5/32")	_	6.3(1/4")	NRC-B53	RC-2464	3/4"	82.5(3-1/4")	28,000
29.5(1-5/32")	_	12.5(1/2")	NRC-B54	RC-2466	3/4"	82.5(3-1/4")	28,000
29.5(1-5/32")	_	4(5/32")	NRC-B55	RC-2468	3/4"	82.5(3-1/4")	28,000

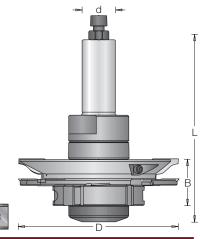
Custom sizes available.

INSERT STILE & RAIL ROUTER BIT SETS

Insert stile and rail CNC router bit set comes with up to five different stacking cutters and interchangeable knives for producing various stile and rail profiles.

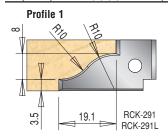
For softwood, hardwood and man-made boards.

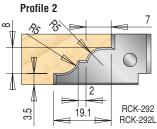


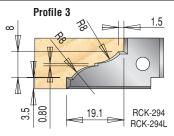


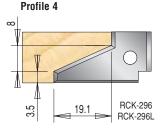
Sets:

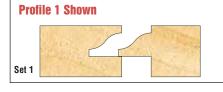
ocis.								
ØD	Set No.	Cutters	В	Profile	Ød	Tool No.	Max. RPM	Repl. T.C. Knife
120(4-3/4	4") 1	1,2,3,4	20-35(7/8"-1-3/8")	1	3/4"	RC-2260	12,000	RCK-291, RCK-19, RCK-71, RCK-68, RCK-11
120(4-3/	4") 1	1,2,3,4	20-35(7/8"-1-3/8")	2	3/4"	RC-2262	12,000	RCK-292, RCK-19, RCK-71, RCK-68, RCK-11
120(4-3/4	4") 1	1,2,3,4	20-35(7/8"-1-3/8")	3	3/4"	RC-2264	12,000	RCK-294, RCK-19, RCK-71, RCK-68, RCK-11
120(4-3/4	4") 1	1,2,3,4	20-35(7/8"-1-3/8")	4	3/4"	RC-2266	12,000	RCK-296, RCK-19, RCK-71, RCK-68, RCK-11
120(4-3/	4") 2	1,2,3,4,5	20-35(7/8"-1-3/8")	1	3/4"	RC-2268	12,000	RCK-291, RCK-19, RCK-71, RCK-68, RCK-11, RCK-291L
120(4-3/4	4") 2	1,2,3,4,5	20-35(7/8"-1-3/8")	2	3/4"	RC-2270	12,000	RCK-292, RCK-19, RCK-71, RCK-68, RCK-11, RCK-292L
120(4-3/4	4") 2	1,2,3,4,5	20-35(7/8"-1-3/8")	3	3/4"	RC-2272	12,000	RCK-294, RCK-19, RCK-71, RCK-68, RCK-11, RCK-294L
120(4-3/	4") 2	12345	20-35(7/8"-1-3/8")	4	3/4"	RC-2274	12 000	BCK-296 BCK-19 BCK-71 BCK-68 BCK-11 BCK-296I

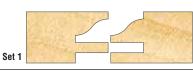


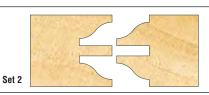














CNCRouter Bits



Straight











→ d 1→

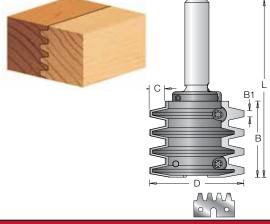




INSERT GLUE JOINT



Insert glue joint router bit complete with two cutting flutes. Suitable for producing finger joints in softwood, hardwood and man-made boards. For use on routers and machining centers with CNC control.

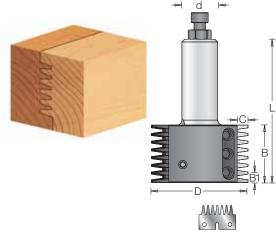




ØD	В	B1	C	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife	
50(2")	40(1-1/2")	3(1/8")	8(5/16")	1/2"	RC-2246	94(3-11/16")	18,000	RCK-234	

INSERT FINGER JOINT ROUTER BIT

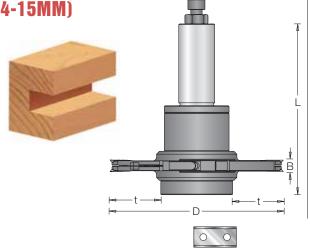
Insert finger jointing router bit complete with two cutting flutes. Suitable for producing finger joints in softwood, hardwood and man-made boards. For use on routers and machining centers with CNC control.



ØD	В	B1	C	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
70(2-3/4")	40(1-1/2")	5.4(7/32")	8(5/16")	3/4"	RC-2240	100(4")	12,000	RCK-92

INSERT ADJUSTABLE GROOVING ROUTER BIT (4-15MM)

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating). Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings. Replaceable inserts ensure a constant cutting diameter and finish quality. For use on routers and machining centers with CNC control.



ØD	В	t	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
120(4-3/4")	4-15.5(5/32"-5/8")	1-3/16"	3/4"	RC-2340	120(4-3/4")	12,000	AMA-17, RCK-71, RCK-18























d

D 48mm

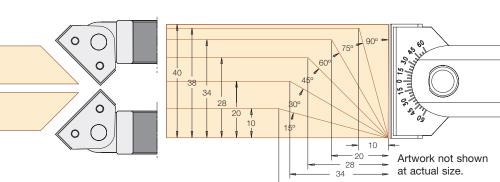


INSERT ADJUSTABLE CHAMFER ROUTER BIT

Insert router bit complete with two cutting flutes. Suitable for producing chamfer cuts at various angles in softwood, hardwood and man-made boards. Cutting angle can be adjusted in 7.5° steps by using a notched scale. Fine adjustment of 1° is also possible. For use on routers and machining centers with CNC control.



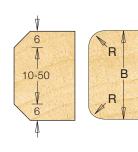




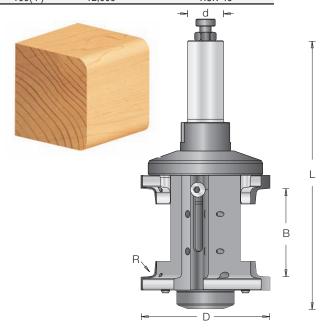
ØD	В	a°	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
85(3-3/8")	40(1-1/2")	-45° → +90°	3/4"	RC-2370	100(4")	12,000	RCK-40

INSERT DOUBLE ROUNDING AND CHAMFERING ROUTER BIT SYSTEM

Insert profile router bit with two cutting flutes. Suitable for profiling in softwood, hardwoods and man-made boards (with or without coating). Tool will be supplied with special inserts and backing plates ground to the customer's own specification. For use on routers and machining centers with CNC control.







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	ØD	R/a°	В	Tool No.	Ød	L	Max. RPM	UPPER	LOWER	
	90(3-9/16")	3	18-58(25/32 to 2-9/32")	RC-2200	3/4"	186(7-5/16")	10,000	RCK-280	RCK-280L	ICK-60
	90(3-9/16")	4	18-58(25/32" to 2-9/32")	RC-2202	3/4"	186(7-5/16")	10,000	RCK-282	RCK-282L	ICK-60
	90(3-9/16")	5	18-58(25/32" to 2-9/32")	RC-2204	3/4"	186(7-5/16")	10,000	RCK-284	RCK-284L	ICK-60
	90(3-9/16")	6	18-58(25/32" to 2-9/32")	RC-2206	3/4"	186(7-5/16")	10,000	RCK-286	RCK-286L	ICK-60
	90(3-9/16")	8	20-60(13/16" to 2-3/8")	RC-2208	3/4"	186(7-5/16")	10,000	RCK-288	RCK-288L	ICK-60
	90(3-9/16")	10	22-62(7/8" to 2-7/16")	RC-2210	3/4"	186(7-5/16")	10,000	RCK-289	RCK-289L	ICK-60
	90(3-9/16")	45°	12-62(1/2" to 2-7/16")	RC-2212	3/4"	186(7-5/16")	10,000	RCK-290	RCK-290L	ICK-60
	Complete Set	3-10 & 45°	12-62(1/2" to 2-7/16")	RC-2214	3/4"	186(7-5/16")	10,000			

Available in 25x55 (1" to 2-5/32") - Special Order.



ICK-60

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CNCRouter Bits

ROUTER BIT

INSERT MULTI PURPOSE PROFILE















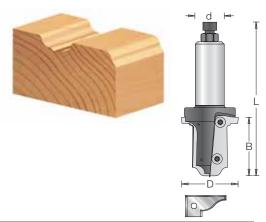




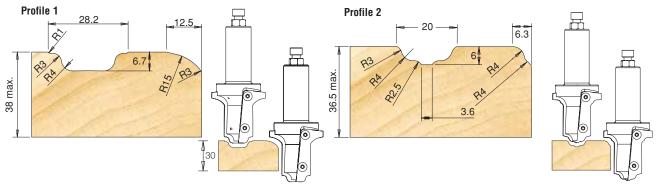


Compression Signmakin

Insert straight router bit with two cutting flutes. Suitable for profiling in softwood, hardwood and man-made board (with or without coating). Tool will be supplied with standard inserts (profile 1 or 2), or can be supplied with special inserts, ground to the customer's own specification. For use on routers and machining centers with CNC control.



ØD	В	Profile	Ød	Tool No.	L	Max. RPM	Repl. T.C. Knife
50(2")	60(2-3/8")	1	3/4"	RC-2360	120(4-3/4")	18,000	RCK-172
50(2")	60(2-3/8")	2	3/4"	RC-2362	120(4-3/4")	18,000	RCK-174

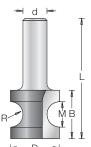


BULLNOSE

2 FLUTE & 3 FLUTE

Shape the full edge of a workpiece with a bullnose radius bit. Ideal for shaping stair treads, window sills, table and counter edges, shelves, and making moldings. The "nose diameter" (M) is the thickness of stock that can be nosed, i.e., given a full 180-degree roundover. Flats at top and bottom of the cutting edges create fillets on stock thicker than the nose diameter. Must be used with an edge guide on handheld routers or the fence on a router table.



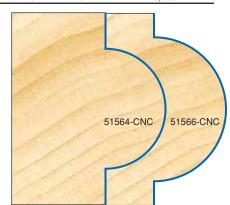


*'M'	R	В	Flute	Tool No.	ØD	Ød	L	Max. RPM
1-1/4	5/8	2	2	★51564-CNC	2	1/2	3-1/2	18,000
1-1/2	3/4	2	3	★51566-CNC	2-3/8	1/2	3-1/2"	18,000

^{*&#}x27;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.





























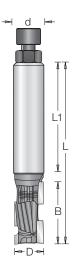


POLYCRYSTALLINE DIAMOND (PCD)

If you're looking for the ultimate in tooling, you've found it. Our Polycrystalline Diamond tooling will cut a wide variety of tough, abrasive materials including particleboard, medium density fiberboard (MDF), plywood and plastic. Yet the cutting edge lasts up to 200 times longer than carbide. In the long run Polycrystalline Diamond is the most economical choice.

DIAMOND TIPPED (PCD) ROUTER BIT UP/DOWN-SHEAR W/CARBIDE PLUNGE POINT RH ROTATION

Diamond tipped router bit for grooving, jointing & rabbeting in composite materials (particleboard, MDF both raw or with melamine, veneer, hardwood, etc.). Up/Down-shear for double sided material. Resharpening one to two times. Number of blades 1+1.

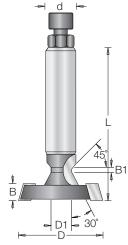


CHIPBOARD WITH PLASTIC COATING
Multipliers for Different Materials:
MDF: 0.8. Chipboard without coating: 1.1
Cross grain veneer: 0.7
Feed Rate mm/min Feed Rate inches/min

ØD	В	Ød	L1	L	Tool No.	Max. RPM	FROM	UP TO	FROM	UP TO
1/2	1	1/2	1-3/8	2-3/4	DRB-200	30,000	5,400	9,000	213	354
1/2	1	1/2	1-3/4	3-3/8	DRB-204	30,000	5,400	9,000	213	354
1/2	1-3/8	1/2	1-3/4	3-3/4	DRB-208	30,000	5,040	8,400	198	331
5/8	1	1/2	1-3/8	2-7/8	DRB-212	27,000	6,300	9,450	248	372
5/8	1-5/8	5/8	1-3/4	4	DRB-216	27,000	3,600	5,400	128	170
3/4	1	3/4	2	3-3/8	DRB-220	24,000	7,560	10,080	298	397
3/4	1-3/8	3/4	2	3-3/4	DRB-224	24,000	6,660	8,880	262	350
3/4	1-5/8	3/4	2	4	DRB-228	24,000	5,760	7,680	227	302
3/4	2-1/16	3/4	2	4-1/2	DRB-232	24,000	4,500	6,000	0	0

DIAMOND TIPPED (PCD) 'T' SLOT ROUTER BIT

'T' Slot diamond tipped router (standard 'T' slot). Use with particleboard MDF, both raw or with melamine, veneer, hardwood, etc. Re-sharpening one to two times.



ØD	В	D1	# of blades	Tool No.	B1	Ød	L	Max. RPM
1-3/8	1/4	3/8	2+1	DRB-300-RH	1/16	1/2	2-3/8	30,000
1-3/8	1/4	3/8	2+1	DRB-304-LH	1/16	1/2	2-3/8	30.000



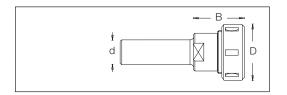


CNC Accessories

REPLACEMENT PARTS — ADAPTER/HOLDER

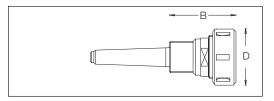
STRAIGHT ADAPTER FOR ER COLLETS

ØD Adapter Standard	Tool No.	В	Ød	Collet Standard
50(2") —	HO-100	55(2-5/32")	20(7/8")	ER32
63(2-1/2") —	HO-104	55(2-5/32")	25(1")	ER40



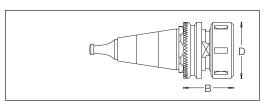
STRAIGHT ADAPTER FOR ER32 COLLETS

ØD	Adapter Standard	Tool No.	В	Collet Standard
50(2")	M2	HO-108	60(2-3/8")	ER32



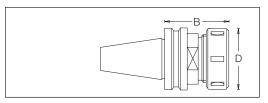
ISO TOOL HOLDER WITH PULL STUD FOR MORBIDELLI & SCM MACHINES

ØD	Adapter Standard	Tool No.	В	Collet Standard
50(2")	IS030	H0-112	55(2-5/32")	ER32



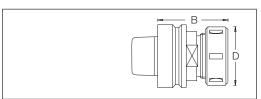
ISO TOOL HOLDER

D Ad	apter Standard	Tool No.	В	Collet Standard
50(2")	IS030	HO-116	50(2")	ER32
63(2-1/2")	IS030	HO-120	55(2-5/32")	ER40
50(2")	ISO40	HO-124	63(2-1/2")	ER32
63(2-1/2")	ISO40	HO-128	73(2-7/8")	ER40



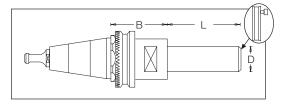
HSK TOOL HOLDER

ØD Adapter Standard	Tool No.	В	Collet Standard
50(2") HSK63F	HO-132	68(2-11/16")	ER32
63(2-1/2") HSK63F	HO-136	68(2-11/16")	ER40



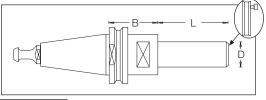
ISO TOOL HOLDER WITH ARBOR FOR MORBIDELLI MACHINES*

ØD Adapter Standard	Tool No.	В	L
30(1-3/16") ISO30	HO-140	35(1-3/8")	70(2-3/4")
30(1-3/16") ISO30	HO-144	35(1-3/8")	100(4")



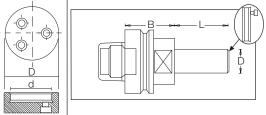
ISO TOOL HOLDER WITH ARBOR*

ØD Adapter Standard	Tool No.	В	L
30(1-3/16") ISO30	HO-148	35(1-3/8")	70(2-3/4")
30(1-3/16") ISO30	HO-152	35(1-3/8")	100(4")



HSK TOOL HOLDER WITH AN ARBOR*

ØD Adapter Standard	Tool No.	В	L
30(1-3/16") HSK63F	HO-156	33(1-5/16")	70(2-3/4")
30(1-3/16") HSK63F	HO-160	33(1-5/16")	100(4")



*Fixing flange on arbor supplied with screws.



CNC Accessories



REPLACEMENT PARTS — RETAINING STUD FOR MACHINES



Machine	ØD1 ØD	Tool No.	Adapter L G	↓
Morbidelli, SCM	8.5(11/32") 6.5(1/4")	CO-300	ISO30 22(7/8") M10	
Busellato, Weeke, Bulleri, Maka	12/1/0"\ 0/2/0"\	CO-304	ISO30 24(15/16") M12	
Cosmec, Reichenbacher	13(1/2") 9(3/8") 19(3/4") 14(9/16")	CO-308	ISO30 24(15/16") M12 ISO40 26(1-1/32") M16	
				†
				-
Alberti, Vitap, Masterwood	13(1/2") 9(3/8")	CO-312	ISO30 24(15/16") M12	5 - T- O
Esseteam	12(15/32") 8(5/16")	CO-316	ISO30 24(15/16") M12	
			, ,	
0140	10.0(1(0)) 0(0(0))	00.000	10000 04/45/400 1440	
CMS	12.8(1/2") 9(3/8")	CO-320	ISO30 24(15/16") M12	
Belotti	13(1/2") 9(3/8")	CO-324	ISO30 23(15/16") M12	
Biesse	13(1/2") 9(3/8")	CO-328	ISO30 24(15/16") M12	
			<u>, , , , , , , , , , , , , , , , , , , </u>	t t
Biesse, Masterwood	12(15/32") 8(5/16")	CO-332	ISO30 24(15/16") M12	
Dicase, imaster wood	12(13/32) 0(3/10)	00 002	10000 24(10/10) WHZ	
.,				
Komo	13(1/2") 9(3/8")	CO-336	BT30 24(15/16") M12	
				Ţ '
Shoda (BT30-BT40), Heian (BT3	35) 11(7/16") 7(9/32")	CO-340	BT30 23(15/16") M12	ļ
	13(1/2") 8.5(11/32")	CO-344	BT35 28(1-1/8") M12	
	15(19/32") 10(13/32")	CO-348	BT40 35(1-3/8") M16	i i a fine i

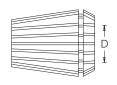


CNC Accessories

REPLACEMENT PARTS — COLLETS FOR ER32 NUT & ER40 NUT







ØD	ER32 Tool No.	ER40 Tool	No.
2-3	CO-100	-	
3-4	CO-104	CO-200	
4-5	CO-108	CO-202	
5-6	CO-112	CO-204	
6-7	CO-116	CO-206	
7-8	CO-120	CO-208	
8-9	CO-124	CO-210	
9-10	CO-130	CO-212	
10-11	CO-134	CO-214	
11-12	CO-138	CO-216	
12-13	CO-142	CO-218	
13-14	CO-146	CO-220	
14-15	CO-150	CO-222	
15-16	CO-154	CO-224	
16-17	CO-158	CO-226	
17-18	CO-162	CO-228	
18-19	CO-166	CO-230	
19-20	CO-170	CO-232	
20-21	_	CO-234	
21-22	_	CO-236	
22-23	_	CO-238	
23-24	_	CO-240	
24-25	_	CO-242	
25-26	_	CO-244	
1/4"	CO-174	CO-246	
3/8"	CO-178	CO-248	
1/2"	CO-182	CO-250	
5/8"	CO-186	CO-252	
3/4"	CO-190	CO-254	



REPLACEMENT PARTS — **KEY**

ØD	Tool No.
For ER32 nut	WR-100
For ER40 nut	WR-104









CNC Router Bit Feed Rate Info

The following charts give you the **recommended** feed rates for working with different spiral family groups on different wood types, plastics & aluminium. Because of the dependency which we have between the cutting conditions and the non-uniformity of the wood pieces, it is important to understand that these values are only recommendations. Wood fiber direction, wood type, wood humidity, clamping stiffness, machine stiffness, etc., all these variables together or one by one can change the cutting condition. It is recommended that in any new application, you reach the recommended feed rate gradually and if the cutting quality is OK, you can continue to increase the feed rate values. Please remember, the larger your chip per tip (high feed rate) the lifetime of the tool is increased.

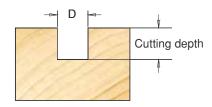
Explanation of the charts

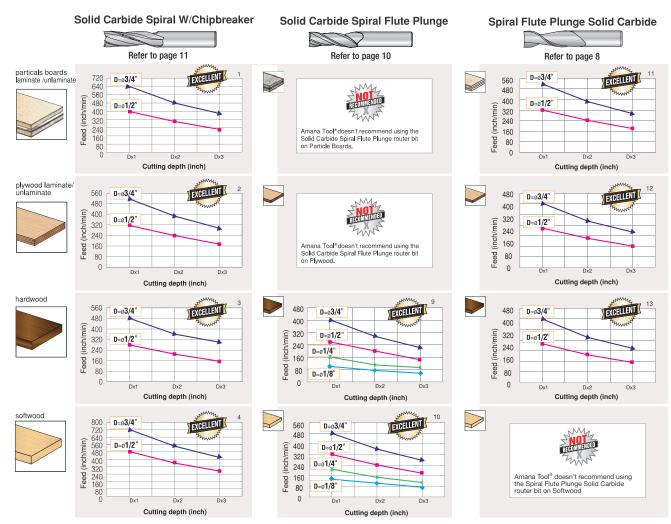
Each chart is relating to one type of the different tool families on a different type of wood. Each line on a chart is relating to the cutting diameter of the tool. If you cannot find the exact diameter, please relate it as a parallel line to the existing lines.

The information on the charts require a rotation speed of 18,000 RPM. Changing the rotation speed has a proportionally straight relation to the feed rate. For example, if your tool is rotating at 12,000 RPM you have to decrease the feed rate by the relation of 12,000/18,000. Cutting depth or wood thickness is given with values which relate to the diameter. For example, cutting diameter is 10mm and wood thickness is 20mm so it becomes a cutting depth of 2xD.

How to get a feed rate value from the chart

- Choose the correct chart according to the tool family and the wood type.
- 2. Locate your line on the chart according to diameter size.
- Evaluate your cutting depth according to the cutting diameter - is it equal to 1xD or 2xD or 1.5xD, etc.
- **4.** Find the right feed rate according to the wood thickness on the chart.



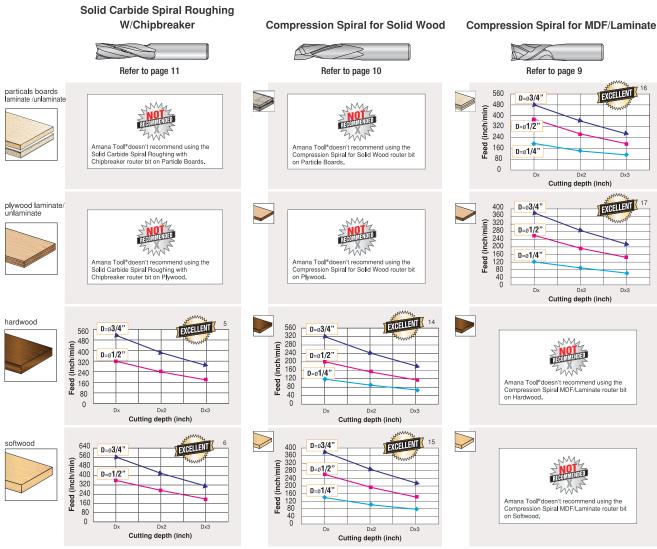




CNG ROUTER BIT

CNC Router Bit Feed Rate Info





Spiral Flute Plunge for Solid Wood Spiral Flute Plunge for Solid Wood Refer to page 8 Refer to page 8 particals boards laminate /unlaminate D=03/4hardwood 400 Feed (inch/min) 320 D=Ø1/2 240 D=Ø1/4 160 Amana Tool®doesn't recommend using the Spiral Flute Plunge for Solid Wood router bit on Hardwood. 80 D=Ø1/8 0 Cutting depth (inch) plywood laminate/ unlaminate 360 320 EXCELLENT D=Ø3/4" 280 240 200 160 120 80 Amana Tool®doesn't recommend using the Spiral Flute Plunge for Solid Wood router bit on Softwood. 40 Cutting depth (inch)



Replacement Parts Index



TOOL NO.	PAGE #	BEARING(S)	SET SCREW	SCREW	DUST Shield	FLAT Washer	LOCK Washer	COLLAR W/ SET SCREW	COLLAR SET SCREW ONLY	SNAP RING	HEX NUT
44100 45360 to 45364	16 23	47706 47721	-		67098	_	=	47739	_		67086
45460(S) to 45461	22	47701	-		_	_	_	47724	67091	_	-
45462(S)	22	47712	-	-	-	-	-	47724	67091	-	-
45463 45464(S)	22	47721 47714	-		-	_	-	47739 47724	67091 67091		
45465	22	47721	-	-	-	-	-	47739	67091	-	-
45466 45467	22	47722 47754	-		_		-	47730 47739	67091 67091		
45468	22	47738	-	_	-	_	-	47740	67091	_	-
45469 to 45470	77	47712	-	-	-	-	-	-	-		-
45471 45474	77 77	46641 47712	-		_				_		
45476 to 45479	77	47712	-	-	-	-	-	-	-	47752	-
45482 to 45483 45485	22	47712 47714			-		-	47724 47724	67091 67091		
45561	21	47714	-		-	_	_	47724	67091	_	-
45563	21	47721			-	-	-	47740	67091		
<u>45565</u> 45567	21 21	47754 47758	-		-		=	47740 47740	67091 67091		
45582	21	47701	-	-	-	-	-	47724	67091	-	-
45584 45586	21 21	47712 47714	_		-		-	47724 47724	67091 67091		-
45588 to 45590	21	47756	-	-	-	-	-	47740	67091	-	-
45668, 45676	88	47701	-		-		-	47724	-		
45669,45670,45672,45678 45674	88 88	47712 47708	-		-		-	47724 47724	_		-
45750 to 45950	36	47701	-	-	-	-	-	47724	-	-	-
45788 45850	37 76	47738 47701	-		-		-	47740 47724	_		-
45880 to 45882	77	47712	-	-	-	-	-	-	-	-	-
45884 45983	77 38	47741 47701	_		-	_	-	- 47724	- 67091		-
45988	38	47714			-	_		47724	67091		
45990	38	47721	-	-	-	-	-	47739	67091	-	-
45992 46192	38 26	47738 47706	_		-	_	-	47740	67091		67086
46300 to 46304	26,106	47706 (2)	-	67096	67098	-	-	-	-	-	67086
47090 to 47092 47100 to 47102	24	47723 47702	-	67134 67096	67100	67202	-				-
47104 to 47120	24	47706	-	67096	67098	67202	-	=	=		-
47105,47109,47111,47113	25	47706	-	-	_	-	-	-	-	-	-
47124 to 47128 47129	25 25	47706 47706	-	67109 -	67078	67101	=		_		
47124-2 to 47128-2	25	47706 (2)	-	-	67098	67202	-	-	-	-	67118
47130 to 47138 47140 to 47141	25 24	47714 47714	_	67109	67101		-				
47144	18	47706		67096	67098	67202		_	-		
47150 to 47154	29	47704	-	67095	67100	67124	-	-	-	-	-
47160 to 47162 47180	30 25	47706 47712	-	67109	-	67101	-		_		
47182 to 47184	25	47714	-	67109	-	67101	-	-	-	-	-
47190 to 47194 47200 to 47204	30 30	47718 47706		67096 67096	67098 67098	67101 67202	-		-		
47206	30	47704	-	67096	67100	67082	-	_	-	_	
47210 47200 to 47204	31	47706	-	67096	67098	67202	-	-	-		
47300 to 47304 47400 to 47416	31 32	47716 47708	-	67096 –	67098	67202 67204			_		67088
49092 to 49119	52	47704	-	67095	67100	67200	-	-	-	-	_
49120 to 49122 49150 to 49154	52 51	47706 47712 (2)	-	67096 67109	67098	67202 67101	-		-	47748	
49200 to 49206	55	47704	-	-	-	-	-	-	-	-	-
49207 49208 to 49214	55 56	47704 47704	_	67095	- 67100	67200	-	-	_		
49300 to 49302	70	47706		67096	67098	67202		_			
49310	71	47706	-	-	-	-	-	-	-	-	_
49340 to 49350 49360	72	See Page 47701 (2)	-	67094	-	67202	_		_		
49400 to 49402	45	47704	-	67095	67100	67200	-	-	-	-	
49404 49405	45 45	47706 47710	-	67096 67093	67098	67202 67101	-				
49406 to 49410	45	47706	_	67096	67098	67202	-	=	-		
49412 40414 to 40416	45	47704 47706	-	67095	67100	67200	-	-	-	-	_
49414 to 49416 49440, 49450	45 94	47706 47702	-	67096 67096	67098 67101	67202 67202	-	-	_		
49442, 49452	94	47701	-	-	-	-	-	47724	67091	-	-
49492 to 49526 49540 to 49560	47 68	47706 47706	-	67096 67096	67098 67098	67202 67202	-		-		-
49562	102	47706	-	67096	67098	67202	-	-	-	-	-
49592 to 49622 49640, 49644, 49650	48 94	47702 47702	-	67096 67096	67101 67101	67202 67202	-	-	_		-
49642, 49646, 49652	94	47701	-	-	-	-	=	47724	67091		
49660, 49664	94	47702	-	67096	67101	67202	-	-	-	-	-
49662, 49666 49670, 49674	94 94	47701 47702		67096	67101	67202		47724	67091 –		
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49730 49750 to 49760	45 46	47708 47736	-		-	_	-	-	_	-	67088 67088
49770	46	47708	_	-	-	-	_	=	_		67088
51530 to 51534	50	47716	-	67096	67098	67202	-	-	-	-	_
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51574 to 51576	49	47714	-	67093	67126	-	-	-	-	-	-
<u>51592</u> 53600	50 80	47738 47708	_	67022	-		-	47740	67091 -		-
53610	81	47708	=	-	-	=	=	=	=	=	67088
53620 to 53640	81	47736	-	- 67006	_	- 67202	-	-	-	-	67088
54102 to 54108 54115 to 54116, 54119	53 98	47706 47706	-	67096 -	67098	67202	-	-	_		
54117 to 54118, 54121	97	47706	-	67096	67098	67202	-	-	-	-	-
54120 to 54127 54128 to 54135	55 53	47706 47706	-	67096 67096	67098 67098	67202 67202	-	-	_		-
54136 to 54182	54	47706	-	-	-	-	-	-	-	-	-
54144 to 54150	52	47706	_	-	_	_	-	-	-	-	-

Replacement Parts Index

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								J.L	А
			\bigcirc	\bigcirc	\bigcirc			\bigcirc	\Box
	SET		DUST	FLAT	LOCK	COLLAR W/	COLLAR SET	SNAP	HEX
BEARING(S)	SCREW	SCREW	SHIELD	WASHER	WASHER	SET SCREW	SCREW ONLY	RING	NUT
BEARING(S) 47706		SCREW 67096							
			SHIELD	WASHER				RING	

										\bigcup	H
			SET		DUST	FLAT	LOCK	COLLAR W/	COLLAR SET	SNAP	HEX
TOOL NO.	PAGE #	BEARING(S)	SCREW	SCREW	SHIELD	WASHER	WASHER	SET SCREW	SCREW ONLY	RING	NUT
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54180 to 54182	56 54	47716 47706		67096 67096	67098 67098	67202 67202	_		_		-
54184 to 54186	57	47706	-	67096	67098	67202	-	-	-	-	-
54188	57	47716	-	67096 67109	67098	67082	-	47704	67001		-
54190 to 54194 54198	56 67	47712 (2) 47702	-	67096		67100		47724	67091 -		
54200	67	47706	-	67096	-	67100	-	-	-	-	-
54202 to 54204	62	47706 47716		67096	67103	67202 67202					-
54211 to 54217 54218 to 54220	60 62	47716	-	67096 67096	67098	67202	_		_		-
54221	99	47713, 47763	-	-	-	-	-	-	_	-	67088
54222 to 54226 54227	63 99	47706 47713, 47763	-	67096	67098	67202	_				67088
54228	63	47706	-	67096	67098	67202	_	_	-	_	-
54229	99	47713, 47763	-	-		-	-	-	-	-	67088
54230 to 54232 54234 to 54238	65 64	47712 47716		67096	67103	67202	_		_		
54240	64	47706	-	67096	67103	67202	-	-	-	-	-
54260, 54266	65	47706	-	67096	67098	67202	-		-		-
54262 54268 to 54269	69 69	47706 47716	-	67096 67096	67098 67103	67202 67202	-				-
54280	65	47716	-	67096	67103	67202	-	-	-	-	-
54282 54284 to 54286	66 66	47714 47712		67109 67096	67103	67101 67202	-				
54288 to 54290	66	47706		67096	67098	67202	-		_		-
54292	53	47706	-	67096	67098	67202	-	_	-	-	-
54294 54296	59 58	47716 47712 (2)		67096 67096	67098 67098	67202 67202		47724			-
54300 to 54308	59	47712 (2)		67096	67098	67202		-	_	-	-
54320 to 54322	58	47706	-	67096	67098	67202	-	-	-	-	-
54324 54330 to 54332	58 59	47712 47701, 47706		67096 67096	67103 67098	67202 67202		47724	_		
54350 to 54356	60	47716	-	67096	67103	67202	_	-	_		-
55312 to 55314	31	47727	-	-	-	67204	-	-	-	-	67088
55320 to 55330 55340	87 89	47708, 47762 47708									67088 67088
55350 to 55380	93	47708	-	-	-	-	-	-	-	-	67088
55392	82	47736	-	-	-	-	-	-	_	-	67088
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56140	44	47734	-	-	-	-	-	-	-	47750	-
56148 56150	44	47708 47734		-		-	_	_	67091 67091	47748 47750	-
56154	44	47721				-			-	47748	
56156	44	47738	-	-	-	-	-	-	-	47750	-
56158 56190	44	47734 47701						47724	67091	47750	-
56192	41	47714	-	-	-	-	-	47724	67091	-	-
56194	41 41	47708	-	-	-	-	-	47724	67091	-	-
56196 to 56198 57100 to 57112		47738 47714,47712,47701	-	67109		67101	_	47740	67091		-
57118 to 57120	104	47709	-	67109	-	67101	-	-	-	-	-
57122 to 57126 57127	110 109	47726 47707		67109 67096	67126	67101 67202	67101		_		-
57128	110	47726	-	67109		67101	-		_		
57129	112	47732	-	67146		-	-	-	-	-	-
57130 57138, 57140	110 105	47726 47737		67093 67091	67126 –	67126	_	47740	67091		-
57139, 57141	105	47707	-	67096	-	67202	-	-	-	-	-
57142 to 57144	112	47738	-	67091	-	-	-	47740	67091	-	
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57147, 57149 to 57152	105	-	-	-	-	-	-	-	-	-	-
57153 57154	106 106	47726 47709		67109	67103	67101					-
57155	106	47133	-	67146		67101			_		
57156 to 57160, 57162	111	47731	-	67146	-	-	-	-	-	-	-
57161 57164	112 108	47732 47709	-	67146 67146		67101	_				
57165	107	47745, 47747	-	-	-	55371	-	47739	-	-	-
57166 57167	107 112	47749 47732	-	- 67146		55363	-	47739	_		-
57168	111	47731	-	67146		_					-
57184 to 57186	24, 106	47714	-	67109	67116	-	67128	-	-	-	-
57190 57192	48, 105 48, 105	47767 47768	-	67109 67109		67101 67101	-	-	-	-	-
57194	48, 105	47769		67109		67101			_		
57200 to 57204	114	47709	-	67109	67116	67101	-	-	-	-	-
57212 to 57216 57218	116 117	<u> </u>	-								_
57220	117	47707	-	67096		67202					-
57224	111	47726	-	67109	67126	67101	-	-	-	-	-
57226 57232	113 109	47712 47737	-	67096	67103	67202	-	47740	<u> </u>		-
57234	109	47707		67096	-	67082	_	-	_	_	
57238	117	47712	-	67096	67103	67202	-	-	-	-	-
57240 to 57242 57244 to 57246	118 119	47707 47707		67096 67096		67082 67082	_		_		
57248	119	47709	-	67109	67116	67101	_	=	_		-
57252 to 57256	120	47707	-	-	_	-	-	-	-	-	-
57257 57258	121 117	<u> </u>	-	67096		67082	_	-	_		-
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STEEL BALL BEARING GUIDES



Amana Tool® uses only the finest industrial quality precision ball bearings available. Bearings are double steel-shielded for extra rigidity and to inhibit dust. A special high-performance, high-temperature grease is used for maximum life.

Bearing #'s 47701-HP, 47706-HP and 47712-HP have Teflon® shields which provide a better seal and increased bearing life while routing materials that generate very fine dust particles (such as solid surface).

NOTE: Solvents should not be used to clean ball bearings, as this will deteriorate the special grease. 'Frozen' bearings (ones that do not rotate freely), should be replaced immediately.

FRACTIONAL LISTED BY SIZE/STEEL SHIELDS & NEW TEFLON® SHIELDS

Ød	ØD	В	Tool No.	Application
1/8	1/4	.110 (7/64)	47723	47090, 47092 1/4" diameter trim bits.
1/8	3/8	.155 (5/32)	47704	47206, 49400, 49402, smaller cove bits, several types of form bits,
				and old style 3/8" diameter trim bits, new 'no-file' trim bits.
1/8	1/2	.171 (11/64)	47700	Old style 1/2" diameter flush trim bits.
3/16	3/8	.124 (1/8)	47702	3/8" diameter flush trim, all beading bits, (49300/49302), 49340, 49350,
				49540, 49542, 49550, many types of form bits.
3/16	1/2	.195 (3/16)	47706	Our most popular bearing. Fits 1/2" diameter flush trim, some bevel trim, all
				corner rounds, raised panel, rabbet, ovolo, many types of form bits and
				51570, 54160, 54162, 54198, 54370 & new style 54200 & 54220 (after 12/95).
3/16	1/2	.195 (3/16)	*47706-HP	*With Teflon® dust shields used as a substitute for 47706 (see above) for
		, ,		fine dust conditions.
3/16	.490	.195 (3/16)	47715	New undersized 1/2" diameter bearing for use after resharpening. Fits all tools
				such as flush trims, corner rounds, etc., that use the standard 47706 bearing.
3/16	5/8	.195 (3/16)	47718	'Overhang' bits, 49340, 49350 (49300/49302).
3/16	3/4	.280 (9/32)	47720	(49300/49302), 49340, 49350, RC-4950
3/16	7/8	.196 (3/16)	47719	49340, 49350 for 1/4" rabbet.
3/16	1-1/8	.312 (5/16)	47743	49340, 49350 for 1/8" rabbet.
1/4	1/2	.186 (3/16)	47701	45460, 45461, 45750, 45850, 45950, 57100, 57106, 57112, RC-1014.
1/4	1/2	.186 (3/16)	*47701-HP	*With Teflon® dust shields used as a substitute for 47701 (see above) for
		` '		fine dust conditions.
1/4	5/8	.195 (3/16)	47712	45462, 45476, 45478, 45479, 45809, 45811, 47180, 51530, 51532, 51534,
		, ,		54188, 54190, 54192, 54194, 54296, 54324, 54350, 54352, 54354, 54356,
				57100, 57106, 57112, 'RC' series bevel trim bits.
1/4	5/8	.195 (3/16)	*47712-HP	*With Teflon® dust shields used as a substitute for 47712 (see above) for
		` '		fine dust conditions.
1/4	3/4	.280 (9/32)	47714	45464, 45988, 47140, 47182, 47184, 51574, 51576, 57100, 57106, 57112,
		, ,		and old style 57118, 57120.
1/4	1	.344 (11/32)	47710	49405
5/16	3/4	.280(9/32)	47759	55360
5/16	.865 (7/8)	.275 (9/32)	47708	1/2" depth of cut slotting assemblies, all stile & rail, 49730, 49770, 53610
				55400, 55401, 56148, 55340.
5/16	1-1/4	.196	47763	New raised panel with back cutter 54221, 54227, 54229.
5/16	1.319 (1-5/16)	.335 (21/64)	47762	55320, 55330, 55325
3/8	7/8	7mm	47741	For 45884, 45499
1/2	3/4	.156 (5/32)	47721	45463, 45465, 45990
1/2	1-1/8	.312 (5/16)	47738	45468, 45789, 45992, 51590, 57142, 57144 and old style 57138 & 57140
				(prior to 6/95). For new style 57138 & 57140 (after 6/95) use Ultra-Glide™ 47737.
1/2	1	5.7mm	47745	57165
1/2	1-1/4	5.7mm	47747	57165
1/2	1-1/2	.500 (1/2)	47749	57166

NOTE: Fractional size specifications shown in parentheses () are approximate, and are provided for reference purposes only. Tool numbers shown in parentheses () exhibit optional (not standard) bearings for these tools.

METRIC LISTED BY SIZE/STEEL SHIELDS

Ød	ØD	В	Tool No.	Application
4MM	8MM	3MM (7/64)	47703	New miniature router bits.
5mm	13mm	4mm (5/32)	47705	Old Style (Prior to 12/95) 54200, 54220. For new style (after 12/95) use 47706.
5mm	16mm	5mm (3/16)	47716	47300, 47302, 51572, 54164 through 54172, 54215,
				54217, 54268, 54269, 54294, 57188, RC-4952, RC-4954, RC-4956.
6mm	19mm	6mm (15/64)	47711	'RC' series flush trim bits.
7mm	14mm	5mm (3/16)	47746	RC-1040, RC-1042, RC-1044
8mm	16mm	5mm (3/16)	47713	New raised panel with back cutter 54221, 54227, 54229.
8mm	28mm	9mm (23/64)	47736	49750, 55392
10mm	26mm	8mm (5/16)	47722	45466
12mm	32mm	9.9mm	47744	55460, 55462, 55464
15mm	35mm	11mm (7/16)	47734	56140, 56150, 56158
15mm	1	.218 (7/32)	47754	45467
15mm	1-1/4	.343 (11/32)	47756	45469
15mm	1-1/2	.343 (11/32)	47758	45470

 $\stackrel{\overline{\square}}{\Leftrightarrow}$



^{*} Teflon® is a registered trademark of the Dupont Co.

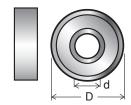


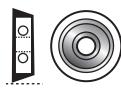
ULTRA-GLIDE™ HIGH-PERFORMANCE BALL BEARING GUIDE ASSEMBLIES



Using the same quality standards as our regular steel bearings, these Ultra-Glide™ bearing assemblies feature satin-smooth Delrin® sleeves. Delrin® is an industrial synthetic plastic material similar to nylon, and will leave no marks on the material being cut. Applications include solid-surface materials such as Gibraltar®, Corian®, Surell® & Fountainhead®. etc.; Plexiglas® & other clear acrylics; and plastic laminates. Not recommended for regular wood applications due to a higher wear factor. Product #'s 47709, 47725, 47726, 47731 & 47733 now include new Teflon® dust shields. These bearings provide a better seal to increase bearing life while routing materials that generate very fine dust particles (such as solid surface).

Ød	ØD	Taper/R	Tool No.	Application
3/16	.500 (1/2)	-0-	47707	1/2" diameter flush trim, corner rounds, etc. All tools that
				accept our regular #47706 steel bearing.
1/4	.750 (3/4)	-0-	* 47709	47140, 57154 trim bits, and new style 57118, 57120, 57257.
5/16	1.382 (1-3/8)	-0-	47727	Slot cutter assemblies: 1/4" depth of cut; and 53610.
5/16	1.137 (1-9/64)	-0-	47728	Slot cutter assemblies: 3/8" depth of cut; and 53610.
5/16		-0-	47729	Set of two above: 47727 & 47728.
1/4	.965 (31/32)	10°	* 47725	Old style 57122 bevel bit with 31/32" large diameter.
1/4	.866 (7/8)	10°	* 47726	New style 57122 and other 'solid-surface' type bits.
1/4	.866 (7/8)	10°	* 47731	57156 through 57168 bowl bits only.
1/4	1	12°	* 47732	57129 and 57161
1/4	1	5°	* 47733	New bowl bits.
15mm	1.125 (1-1/8)	-0-	47737	New style 57138, 57140 (after 6/95). Old style use 47738.
1/4	27/32	1/2	47767	57190
1/4	3/4	3/4	47768	57192
1/4	3/4	1	47769	57194





NOTE: Outside dimensions are approximate and are given for reference purposes only.

Gibraltar® is a registered trademark of Wilsonart® International. Delrin®, Corian® and Teflon® are registered trademarks of the Dupont Co. Surell® is a registered trademark of the Formica Corp. Fountainhead® is a registered trademark of the Nevamar Corp. Plexiglas® is a registered trademark of the Rohm & Haas Corp.

ROUTER ARBORS WITH HEX NUT AND WASHERS

Ød	Α	В	Tool No.	C	Application
1/4	1-1/4	7/8	47600	2-3/8	2 & 3-Wing slotting assemblies, and
3/8	1-1/4	7/8	47602	2-3/8	single 4-wing trim cutter assemblies.
1/2	1-1/2	7/8	47604	2-3/8	
1/4	1-1/4	5/8	47606	2-1/8	Shorter length than 47600.
1/2	1-1/2	1-3/8	47612	3-1/8	Double trim cutters, rail & stile, 53600, 55300, 55320,
					55325, 55330, 55400. (Replaces 55360 arbor.)
1/2	1-7/16	2-9/16	47618	4-3/16	49730, 49770
1/2	1-3/8	2-1/8	47620	3-3/4	49750, 55340, 55392
1/2	1-5/16	1-3/4	47622	3-5/16	55420, 55430, 55440
1/4	1-1/4	7/8	47610	2-3/8	General purpose.
1/4	1-7/16	1/4	* 47611	1-13/16	Screw Type mortising bits 55250 through 55258.
1/2	1-3/4	1/4	* 47614	1-1/2	Screw Type mortising bits 55250 through 55258.
	1/4 3/8 1/2 1/4 1/2 1/2 1/2 1/2 1/4 1/4	1/4 1-1/4 3/8 1-1/4 1/2 1-1/2 1/4 1-1/4 1/2 1-1/2 1/2 1-7/16 1/2 1-5/16 1/4 1-1/4 1/4 1-7/16	1/4 1-1/4 7/8 3/8 1-1/4 7/8 1/2 1-1/2 7/8 1/4 1-1/4 5/8 1/2 1-1/2 1-3/8 1/2 1-7/16 2-9/16 1/2 1-3/8 2-1/8 1/2 1-5/16 1-3/4 1/4 1-1/4 7/8 1/4 1-7/16 1/4	1/4 1-1/4 7/8 47600 3/8 1-1/4 7/8 47602 1/2 1-1/2 7/8 47604 1/4 1-1/2 7/8 47606 1/2 1-1/2 1-3/8 47612 1/2 1-7/16 2-9/16 47618 1/2 1-3/8 2-1/8 47620 1/2 1-5/16 1-3/4 47622 1/4 1-1/4 7/8 47610 1/4 1-7/16 1/4 *47611	1/4 1-1/4 7/8 47600 2-3/8 3/8 1-1/4 7/8 47602 2-3/8 1/2 1-1/2 7/8 47604 2-3/8 1/4 1-1/4 5/8 47606 2-1/8 1/2 1-1/2 1-3/8 47612 3-1/8 1/2 1-7/16 2-9/16 47618 4-3/16 1/2 1-3/8 2-1/8 47620 3-3/4 1/2 1-5/16 1-3/4 47622 3-5/16 1/4 1-1/4 7/8 47610 2-3/8 1/4 1-7/16 1/4 *47611 1-13/16

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

A C C

HEX NUTS FOR ROUTER ARBORS

Description	Tool No.	Application
10-32 NF	67086	46300, 46304 Spiral Trim bits.
5/16-24 NF	67088	All arbors with 5/16-24 NF thread.
1/4-28 NF	67089	47610 arbor. "Nova"
5mm x .8mm (10-32)	67118	47124-2, 47126-2, 47128-2 Trim bits.
12mm x 1.75mm	67131	55460, 55462, 55464





^{*} Includes new Teflon® dust shields.



STEEL DUST SHIELDS

Application: Used between ball bearing and router bit to inhibit dust. 'Cone-shaped' end always faces the bearing.

Diameters		
'd' Inside x 'D' Outside	Tool No.	Use with Bearing #
3/16 x 1/2	67098	47700, 47701, 47706, 47712, 47714, 47718, 47720.
1/8 x 3/8	67100	47704
5mm x 16mm	67103	47716
1/4 x 5/8	67116	47712 (Solid surface bowl bits only).
3/16 x 5/8	67126	47712 (Solid surface bowl bits only).

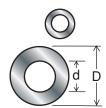




STEEL FLAT LOCK WASHERS

Application: Used between ball bearing & screw head or hex nut to serve as a lock washer. Part No. 67101 is used in place of a dust shield on beading bits #'s 49592 through 49622.

Diameters 'd' Inside x 'D' Outside	Tool No.	Use with Bearing #	Use with Screw #
1/8 x 1/4	67082	47703	67080
3/16 x 5/16	67101	47702	67094, 69096
12mm x 18.7mm	67125	47744	55460, 55462, 55464
12mm x 18.7mm	67128	47714	57184 - 57186
1/4 x 3/8	67132	47701	'Face Inlay' spacer.
3/32 x 1/4	67200	47704	67095
1/8 x 5/16	67202	47706	67094, 67096
5/16 x 1/2	67204	47708	5/16 thread arbors (for slot cutters).
1/4 x .356	67206	47701	'Superabbet' spacer.
3/16 x 5/16	67208	47706	Multi-Rabbet spacer.

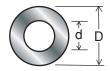


STEEL SPACERS

Application: General purpose arbor spacers used on assembly type tools that require cutter adjustment.

Diameters 'd' Inside x 'D' Outside	Tool No.	'B' Face Width
5/16 x 5/8	55366	3.0mm (1/8)
5/16 x 5/8	55367	3.4mm (9/64)
5/16 x 5/8	55368	6.0mm (1/4)
5/16 x 5/8	55369	5.5mm (7/32)
1/2 x 3/4	55363	6.0mm (1/4)
1/2 x 18mm	55371	5.0mm

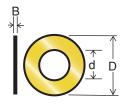




STEEL SHIMS

Application: General purpose arbor shims used on assembly type tools that require cutter adjustment. Particularly useful after tool re-sharpening.

Diameters		
'd' Inside x 'D' Outside	Tool No.	'B' Shim Thickness
5/16 x 5/8	55356	.05mm (.002)
5/16 x 5/8	55357	.10mm (.004)
32mm x 3/4	55358	.18mm (.007)
5/16 x 5/8	55402	1.00mm (.040)
5/16 x 5/8	55404	.50mm (.020)
5/16 x 5/8	55403	.40mm (.015)







BALL BEARING RETAINING COLLARS AND SNAP RINGS

Application: To retain bearings on tools furnished with upper ball bearing guides. Collars include #67091 set screw.

Diameters 'd'Inside x 'D' Outside	Tool No.	Used On Tool No. ('s)
.289 x .375	47748	56130, 56148, 49150, 49152, 49154
.542 x .675	47750	56140, 56150





Snap Rings

Diameters		Face	
'd' Inside x 'D' Outside	Tool No.	Thickness	Used On Tool No.('s)
1/4 x 7/16	47724	.203 (13/64)	45460, 45461, 45462, 45464, 45750, 45850,
			45950, 45988, 54190, 54192, 54194.
3/8 x 5/8	47730	.203 (13/64)	45466.
1/2 x 23/32	47739	.234 (15/64)	45463, 45465, 45467, 45991.
1/2 x 25/32	47740	.234 (15/64)	45468, 45469, 45470, 45990, 45992,
			51592, 57138, 57140, 57142, 57144.



Retaining Collars

SOCKET HEAD ALLEN TYPE, TORX® AND PHILLIPS RETAINING SCREWS

CASE HARDENED • BLACK OXIDE FINISH

Туре	Description	Tool No.	Use With Key Size	Application
Allen	3.5 x 6mm	67018	2.5mm (#5007)	RC-2000
Allen	3 x .5 x 10mm	67080	2.5mm (#5007)	'mini' bits
Allen	4 x .7mm x 12mm	67090	3mm (#5004)	20200 Adj. C/S
Allen	#10-32 x 3/8 NF	67093	5/32 (#5003)	Multi-Use
Allen	#5-40 x 1/2 NC	67094	3/32 (#5000)	Multi-Use
Allen	#3-48 x 3/8 NC	67095	5/64 (#5001)	Multi-Use
Allen	#5-40 x 3/8 NC	67096	3/32 (#5000)	Multi-Use
Allen	#10-32 x 1/2 NF	67109	5/32 (#5003)	Multi-Use
Torx®	4 x .7mm x 5mm	67115	#T-15 (#5005)	Torx® screw for insert trim & plunge bits
Torx®	3.5 x .6mm x 3mm	67117	#T-15 (#5005)	Torx® screw for insert plunge bits
Phillips	#2-56 x 7/32 NC	67134	#0 phillips	47090 & 47092 1/4 trim bits
Allen	#10-32 x 3/8 NF	67146	1/8 (#5009)	Special



Allen



Phillips



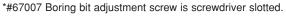
Torx



ALLEN-TYPE SET SCREWS FLAT (FP) & CUP-POINT (CP)

CASE HARDENED • BLACK-OXIDE FINISH

Description	To al Nia	Hee With Ven Oire	Annlinekina
Description	Tool No.	Use With Key Size	Application
5mm x .8mm (FP)	* 67007	*S/D Slotted	Boring Bits
6mm x 1.0mm (FP)	67008	3mm (#5008)	Rosette Cutterheads
3 x 4mm Special (FP)	67015	1.5mm (#5000)	RC-3100
3 x 5mm Special (FP)	67016	1.5mm (#5000)	RC-3200 & 3110
3 x 6mm Special (FP)	67017	1.5mm (#5000)	RC-3204 & 3307
6mm x 1.0mm (CP)	67079	3.0mm (#5004)	Metric Countersinks (6mm to 12mm)
6mm x 1.0mm (FP)	67083	3.0mm (#5004)	#55 Countersinks with 1 Screw
5mm x .8mm (CP)	67087	2.5mm (#5007)	Metric Countersinks (5mm only)
#5-40 NC (CP)	67091	1/16 (#5002)	47724-47752 Collars
#10-24 NC (CP)	67092	3/32 (#5000)	#55 Countersinks with 2 Screws
5mm x .8mm (FP)	67097	2.5mm (#5007)	Metric Chucks







Allen







ALLEN-TYPE HEX & TORX® KEYS SHORT ARM

CASE HARDENED • BLACK OXIDE FINISH

Туре	Size	Tool No.	Key Screw #(s)	Use With Application
Allen	3/32	5000	67094,67096	Multi-Use
Allen	5/64 (2.0mm)	5001	67095	Insert plunge
Allen	1/16	5002	67091	47724-47730, 47739 collars
Allen	5/32	5003	67093,67109	Helix trim & bowl bits
Allen	3mm	5004	67090	20200 Adj. C/S
Allen	.050 (1.2mm)	5006	67077	Insert plunge RC-2000
Allen	2.5mm	5007	67087,67097	Metric C/S & chucks
Allen	1/8	5009	67109	Solid surface bits
Allen	3mm	5012	67142	Insert Cutterheads
Allen	1.5mm	5011	67015,67016,67017	New insert bits RC-2000 & RC-3000 series
Allen	4mm	5010	67144	Profile Pro [™] Cutterheads
Torx®	*T-25	5025	67154	61288, 61292







TORX® & ALLEN KEY

CASE HARDENED • BLACK-OXIDE FINISH

Туре	Key Size	Tool No.	Use With Screw #	Application
Torx®	#T-15	5005	67115	'RC' Series insert trim bits
Torx®	#T-9	5090	67160	Insert cutterheads
Allen	3 mm	5008	67008	Rosette Cutterheads-Hex Key







HEX KEY / 'T'- HANDLE

CASE HARDENED • BLACK-OXIDE FINISH

Туре	Key Size	Tool No.	Use With Screw #	Application
Allen	2.5mm	5013	_	Insert Cutterheads-T Handle
Allen	4mm	5014	67144	Insert Cutterheads-T Handle



WRENCH HANDLE

CASE HARDENED • BLACK-OXIDE FINISH

Tool No.	Application
5017	EZ Dial™ Slot Cutters
5015	Nova System™ Router Bits









10 PIECE BRASS TEMPLATE GUIDE SET

Includes 7 different guides, #ADP-09 adapter and 2 threaded lock collars in a molded plastic case.

Description	Tool No.	
10 piece template guide set	BTG-100	

Includes the following sizes:	
I.D.	0.D.
1/4	5/16
9/32	3/8
11/32	7/16
13/32	1/2
17/32	5/8
21/32	3/4
5/8	51/64



BRASS INLAY BUSHING

Includes both 3/16" & 9/16" O.D. for 1:1 ratio. Threaded lock collar included. Use #46200 1/8" down-cut spiral (not included).

Description	Tool No.	
Inlay Bushing	BTG-200	



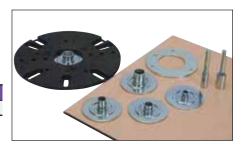
9 PIECE ROUTER TEMPLATE GUIDE SET

Includes:

Universal base plate, 5 different guides, lock ring, 2 centering pins and mounting screws in a molded plastic case.

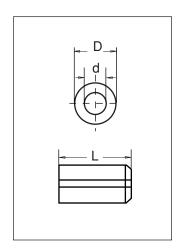
Description	Tool No.	
9-Piece Bushing Set	RGB-200	

Includes the following sizes:							
I.D.	0.D.						
1/4	5/16						
3/8	7/16						
17/32	5/8						
3/8	7/16 (long)						
17/32	5/8 (long)						



ROUTER SHANK REDUCTION BUSHINGS

ØD	Ød	Tool No.	L
1/4	3mm	RB-100	1
1/4	1/8	RB-102	1
8mm	6mm	RB-104	1
8mm	1/4	RB-106	1
3/8	1/4	RB-108	1
10mm	8mm	RB-110	1
12mm	6mm	RB-112	1
12mm	8mm	RB-114	1
1/2	1/4	RB-116	1
1/2	8mm	RB-118	1
1/2	10mm	RB-120	1
1/2	3/8	RB-122	1-3/16







STRAIGHT CARBIDE INSERT KNIVES

New grades now available for different material types such as softwood/hardwood, MDF/solid surface and micro-finish for general purpose. All knives have a 35° bevel, except the micro finish 'MF' series which has a 45° bevel.

		<u>'G'</u> 35° General Purpose Wood, Chipboard, Plywood	<u>'S'</u> 35° Softwood/ Hardwood	<u>'H'</u> 35° MDF, Chipboard, Solid Surface	<u>'MF'</u> 45° Micro-finish General Purpose	Tool Application
	12 x 12 x 1.5mm 4 CUTTING EDGES 12mm 4 CUTTING EDGES 12mm 4 CUTTING EDGES	Tool # AMA-12	Tool # SMA-12	Tool # HMA-12	Tool # MFA-12	Insert Trim Bits RC-1000, RC-1008, RC-1010, RC-1012, RC-1014, RC-1024, RC-1026, RC-2257, RC-2258.
	14 x 14 x 2.0mm 4 CUTTING EDGES 14mm 6.5mm -2.0mm	Tool # RCK-70	Tool # SCK-70	Tool # HCK-70	-	Insert Cutterheads 61288, 61292, 61340, 61360, 61362, 61460, 61462, 61470, 61472, 61480, 61482.
	14 x 14 x 1.2mm 4 CUTTING EDGES 14mm 8.6mm 1.2mm	Tool # RCK-71	_	_	-	Insert Cutterheads 61330, 61350, 61450, 61452.
New	- 1	Tool # RCK-73	_	_	-	Various
	15 x 15 x 2.5mm 4 CUTTING EDGES 15mm 6.2mm 6.2mm 2.5mm	Tool # RCK-15	_	_	-	Various
	18 x 18 x 2.0mm 4 CUTTING EDGES 18mm 10.3mm 2mm	Tool # RCK-18	_	_	-	Insert Cutterheads 61330, 61350, 61450, 61452.
	7.5 x 12 x 1.5mm 2 CUTTING EDGES 12mm 4mm 7.5mm -1.5mm	Tool # AMA-17	_	Tool # HCK-17	_	Insert Trim Bits RC-1040, RC-1042, RC-1044. Insert Cutterheads 61360, 61384.
New	8 x 5.5 x 1.1mm 2 CUTTING EDGES 5.5mm	Tool # RCK-8	-	_	_	Use on RC-2000
New	14 x 14 x 1.2mm 4 CUTTING EDGES 14mm 8.6mm	Tool # RCK-75				For Holz-Her System
0	Note: Knives shown actual size.					Amana Tool

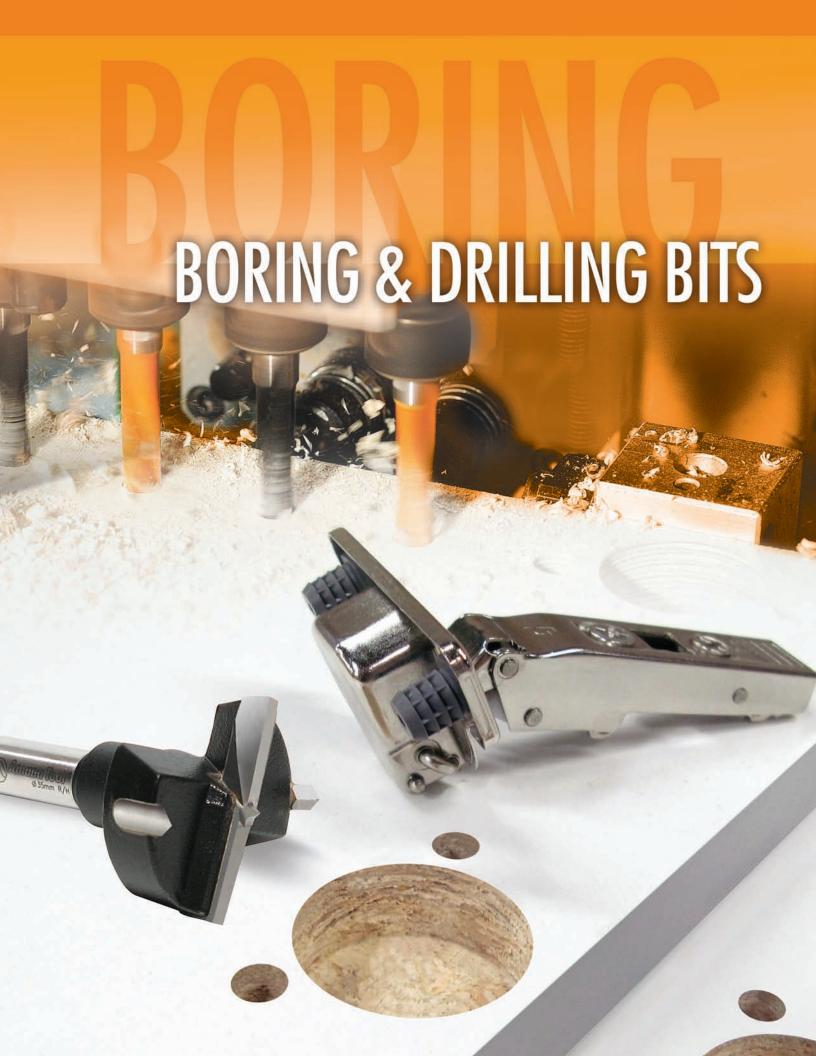


	'G' 35⁰	'S' 35⁰	'H' 35°	'MF' 45°	
	General Purpose Wood, Chipboard, Plywood	Softwood/ Hardwood			Tool Application
20 x 5.5 x 1.1mm 2 CUTTING EDGES 5.5mm 1.1mm	Tool # RCK-32		——————————————————————————————————————	—	Insert Straight Bit RC-3100.
30 x 5.5 x 1.1mm 2 CUTTING EDGES	Tool # RCK-34	_	Tool # HCK-34	_	Insert Straight Bits RC-3110, RC-3200, RC-3204, RC-3260, RC-3300, RC-3305, RC-3310, RC-3312, RC-3318, RC-3320.
50 x 5.5 x 1.1mm 2 CUTTING EDGES 5.5mm 50mm	Tool # RCK-36	_	Tool # HCK-36		Insert Straight Bits RC-3208, RC-3264, RC-3304, RC-3307, RC-3314, RC-3316, RC-3322, RC-3324.
30 x 9 x 1.5mm 4 CUTTING EDGES 9mm 4mm 1.5mm	Tool # AMA-30	_	Tool # MDF-30	_	Insert Straight Bits RC-1080, RC-1082, RC-1154, RC-2080, RC-2082, RC-2154.
50 x 9 x 1.5mm 4 CUTTING EDGES 9mm 26mm 50mm	Tool # AMA-50	_	_	_	Various
15 x 12 x 1.5mm 2 CUTTING EDGES 12mm 4mm 4mm 1.5mm	Tool # ICK-15	_	Tool # HCK-15	_	Insert Cutterheads 61342, 61362, 61386.
20 x 12 x 1.5mm 2 CUTTING EDGES 12mm	Tool # ICK-20	Tool # SCK-20	Tool # HCK-20	_	Insert Cutterhead 61388.
25 x 12 x 1.5mm 2 CUTTING EDGES 12mm 4mm 4mm 1.5mm	Tool # AMA-25	_	Tool # HMA-25	_	Various
25 x 12 x 1.5mm 2 CUTTING EDGES 12mm 4mm 1.5mm	Tool # ICK-25	_	Tool # HCK-25		Various
Note: Knives shown actual size.					mana Tool®



		'G' 35° General Purpose Wood, Chipboard, Plywood	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish General Purpose	Tool Application
MET LAUCEMENT FAMILS	30 x 12 x 1.5mm 2 CUTTING EDGES 12mm 1.5mm 1.5mm	Tool # ICK-30	Tool # SCK-30	Tool # HCK-30	Tool # MFK-30	Insert Trim Bits RC-1002, RC-1004, and general use.
	29.5 x 12 x 1.5mm 4 CUTTING EDGES 12mm 1.5mm	Tool # RCK-30	Tool # SRK-30	Tool # HRK-30	_	Insert Straight Bits RC-1084, RC-1086, RC-1088, RC-1090, RC-1156, RC-1160, RC-1164, RC-2084, RC-2086, RC-2088, RC-2090, RC-2156, RC-2160, RC-2164.
	50 x 12 x 1.5mm 2 CUTTING EDGES 26mm 1.5mm	Tool # ICK-50	Tool # SCK-50	Tool # HCK-50	_	Insert Cutterheads 61304, 61306, . 61310
	50 x 12 x 1.5mm 4 CUTTING EDGES 26mm 50mm 1.5mm	Tool # RCK-50	Tool # SRK-50	Tool # HRK-50		Insert Cutterheads RC-1158, RC-1162, RC-1166, RC-2158, RC-2162, RC-2164.
	30 x 12 x 1.5mm 2 CUTTING EDGES 12mm 4mm 30mm 1.5mm	Tool # ICK-35RH	_	_		Edgebander trim knives, right hand.
	30 x 12 x 1.5mm 2 CUTTING EDGES 12mm 1.5mm	Tool # ICK-35LH	_	_	_	Edgebander trim knives, left hand.
Nen	50 x 12 x 1.7mm 4 CUTTING EDGES 50 mm 1.7mm	Tool # RCK-151	_	_	_	Use on RC-2400 Use on RC-1006

















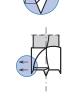
†BRAD POINT BORING

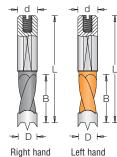
57mm LONG, 10mm X 27mm SHANK

	ØD	В	Tool No RH	Tool No LH	Ød	L
	3mm	18mm	*201003	* 301003	10mm	57mm
	3.2mm	27mm	201032	301032	10mm	57mm
	4mm	27mm	201004	301004	10mm	57mm
	4.5mm	27mm	201045	301045	10mm	57mm
	5mm	27mm	201005	301005	10mm	57mm
	5.1mm	27mm	201051	301051	10mm	57mm
	5.2mm	27mm	201052	301052	10mm	57mm
	5.5mm	27mm	201055	301055	10mm	57mm
	6mm	27mm	201006	301006	10mm	57mm
_	6.5mm	27mm	201065	301065	10mm	57mm
	6.7mm	27mm	201067	301067	10mm	57mm
	7mm	27mm	201070	301070	10mm	57mm
Neu	7.5mm	27mm	201075	301075	10mm	57mm
_	8mm	27mm	201008	301008	10mm	57mm
	8.2mm	27mm	201082	301082	10mm	57mm
_	9mm	27mm	201090	301090	10mm	57mm
	10mm	27mm	201010	301010	10mm	57mm
_	10.5mm	27mm	201105	301105	10mm	57mm
	11mm	27mm	201011	301011	10mm	57mm
_	12mm	27mm	201012	301012	10mm	57mm
	14mm	27mm	201014	301014	10mm	57mm
	15mm	27mm	201015	301015	10mm	57mm
	16mm	27mm	201016	301016	10mm	57mm
	17mm	27mm	201017	301017	10mm	57mm
	18mm	27mm	201018	301018	10mm	57mm
	19mm	27mm	201019	301019	10mm	57mm
	20mm	27mm	201020	301020	10mm	57mm
	3/16	27mm	201047	301047	10mm	57mm
	1/4	27mm	201007	301007	10mm	57mm
_	3/8	27mm	201009	301009	10mm	57mm
	1/2	27mm	201013	301013	10mm	57mm







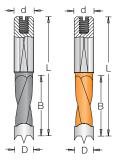


70mm LONG, 10mm X 35mm SHANK

3mm	18mm	*204003	* 304003	10mm	70mm
3.2mm	35mm	204032	304032	10mm	70mm
4mm	35mm	204004	304004	10mm	70mm
4.5mm	35mm	204045	304045	10mm	70mm
5mm	35mm	204005	304005	10mm	70mm
5.1mm	35mm	204051	304051	10mm	70mm
5.2mm	35mm	204052	304052	10mm	70mm
5.5mm	35mm	204055	304055	10mm	70mm
6mm	35mm	204006	304006	10mm	70mm
6.5mm	35mm	204065	304065	10mm	70mm
6.7mm	35mm	204067	304067	10mm	70mm
7mm	35mm	204070	304070	10mm	70mm
7.5mm	35mm	204075	304075	10mm	70mm
8mm	35mm	204008	304008	10mm	70mm
8.2mm	35mm	204082	304082	10mm	70mm
9mm	35mm	204090	304090	10mm	70mm
10mm	35mm	204010	304100	10mm	70mm
11mm	35mm	204011	304011	10mm	70mm
12mm	35mm	204012	304012	10mm	70mm
13mm	35mm	204130	304130	10mm	70mm
14mm	35mm	204014	304014	10mm	70mm
15mm	35mm	204015	304015	10mm	70mm
16mm	35mm	204016	304016	10mm	70mm
17mm	35mm	204017	304017	10mm	70mm
3/16	35mm	204047	304047	10mm	70mm
1/4	35mm	204007	304007	10mm	70mm
3/8	35mm	204009	304009	10mm	70mm
7/16	35mm	204111	304111	10mm	70mm
1/2	35mm	204013	304013	10mm	70mm
5/8	35mm	204113	304113	10mm	70mm







Right hand Left hand









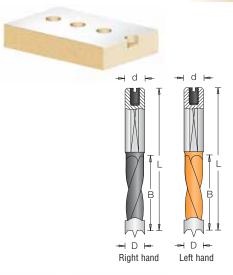




†BRAD POINT BORING

77mm LONG, 10mm X 44mm SHANK

ØD	В	Tool No RH	Tool No LH	Ød	L
4mm	44mm	202004	302004	10mm	77mm
5mm	44mm	202005	302005	10mm	77mm
5.1mm	44mm	202051	302051	10mm	77mm
5.2mm	44mm	202052	302052	10mm	77mm
6mm	44mm	202006	302006	10mm	77mm
7mm	44mm	202070	302070	10mm	77mm
8mm	44mm	202008	302008	10mm	77mm
8.2mm	44mm	202082	302082	10mm	77mm
9mm	44mm	202090	302090	10mm	77mm
10mm	44mm	202010	302100	10mm	77mm
11mm	44mm	202011	302011	10mm	77mm
12mm	44mm	202012	302012	10mm	77mm



†THROUGH-HOLE ('V' POINT)

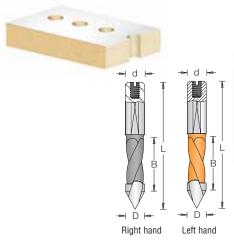
57mm LONG, 10mm X 25mm SHANK

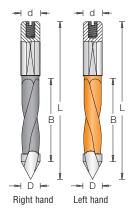
ØD	В	Tool No RH	Tool No LH	Ød	L
4mm	25mm	313004	413004	10mm	57mm
5mm	25mm	313005	413005	10mm	57mm
6mm	25mm	313006	413006	10mm	57mm
7mm	25mm	313070	413070	10mm	57mm
8mm	25mm	313008	413008	10mm	57mm
9mm	25mm	313090	413090	10mm	57mm
10mm	25mm	313010	413010	10mm	57mm
12mm	25mm	313012	413012	10mm	57mm
1/4	25mm	313007	413007	10mm	57mm
3/8	25mm	313009	413009	10mm	57mm
1/2	25mm	313013	413013	10mm	57mm



ØD	В	Tool No RH	Tool No LH	Ød	L
4mm	40mm	314004	414004	10mm	70mm
5mm	40mm	314005	414005	10mm	70mm
5.5mm	40mm	314055	414055	10mm	70mm
6mm	40mm	314006	414006	10mm	70mm
7mm	40mm	314070	414070	10mm	70mm
8mm	40mm	314008	414008	10mm	70mm
9mm	40mm	314090	414090	10mm	70mm
10mm	40mm	314010	414010	10mm	70mm
11mm	40mm	314011	414011	10mm	70mm
12mm	40mm	314012	414012	10mm	70mm
14mm	40mm	314014	414014	10mm	70mm
16mm	40mm	314016	414016	10mm	70mm
3/16	40mm	314047	414047	10mm	70mm
1/4	40mm	314007	414007	10mm	70mm
9/32	40mm	314281	414281	10mm	70mm
21/64	40mm	314833	414833	10mm	70mm
11/32	40mm	314343	414343	10mm	70mm
3/8	40mm	314009	414009	10mm	70mm
7/16	40mm	314111	414111	10mm	70mm
1/2	40mm	314013	414013	10mm	70mm
5/8	40mm	314113	414113	10mm	70mm

[†] Application: Not to be used in portable drills or handheld routers.













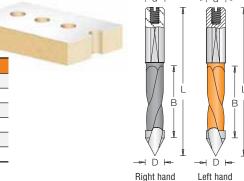




†THROUGH-HOLE ('V' POINT)

77mm LONG, 10mm X 45mm SHANK

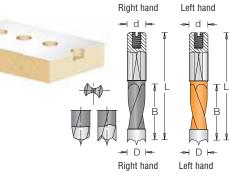
ØD	В	Tool No RH	Tool No LH	Ød	L
5mm	45mm	315005	415005	10mm	77mm
6mm	45mm	315006	415006	10mm	77mm
7mm	45mm	315070	415070	10mm	77mm
8mm	45mm	315008	415008	10mm	77mm
9mm	45mm	315090	415090	10mm	77mm
10mm	45mm	315010	415010	10mm	77mm



†HIGH PERFORMANCE DITEC™ BRAD POINT BORING

Application: New series of Ditec™ dowel drills with special grinding and high performance carbide for ultra long-lasting applications.

					-		
	ØD	В	Tool No RH	Tool No LH	Ød	L	
ĺ	5mm	27mm	205005	305005	10mm	57mm	
	8mm	27mm	205008	305008	10mm	57mm	
	5mm	35mm	206005	306005	10mm	70mm	
	8mm	35mm	206008	306008	10mm	70mm	



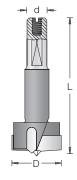
HINGE BORING

57mm LONG, 10mm SHANK, 2-WING W/SPURS

Application: Boring machines (10mm shank) and drill presses (3/8" shank)

ØD	Ød	Tool No RH	Tool No LH	L
15mm	10mm	203151	203155	57mm
16mm	10mm	203161	203165	57mm
18mm	10mm	203181	203185	57mm
20mm	10mm	203201	203205	57mm
22mm	10mm	203221	203225	57mm
25mm	10mm	203251	203255	57mm
26mm	10mm	203261	203265	57mm
28mm	10mm	203281	203285	57mm
30mm	10mm	203301	203305	57mm
32mm	10mm	203321	203325	57mm
35mm	10mm	203351	203355	57mm
38mm	10mm	203381	203385	57mm
40mm	10mm	203401	203405	57mm
3/4	10mm	203751	203755	57mm





70mm LONG, 10mm SHANK, 2-WING W/SPURS

ØD	Ød	Tool No RH	Tool No LH	L
13mm	10mm	203132	203134	70mm
14mm	10mm	203142	203144	70mm
15mm	10mm	203152	203154	70mm
16mm	10mm	203162	203164	70mm
20mm	10mm	203202	203204	70mm
25mm	10mm	203252	203254	70mm
26mm	10mm	203262	203264	70mm
30mm	10mm	203302	203304	70mm
35mm	10mm	203352	203354	70mm
40mm	10mm	203402	203404	70mm
9/16	10mm	203146	203148	70mm
3/4	10mm	203752	203754	70mm





[†] Application: Not to be used in portable drills or handheld routers.











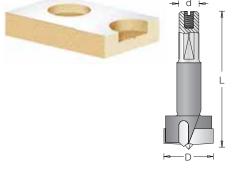
THINGE BORING

77mm LONG, 10mm SHANK, 2-WING W/SPURS

ØD	Ød	Tool No RH	Tool No LH	L
25mm	10mm	203256	203258	77mm
30mm	10mm	203306	203308	77mm
35mm	10mm	203356	203358	77mm

90mm LONG, 2-WING W/SPURS

ØD	Tool No Right Hand	Ød	L	
16mm	203166	10mm	90mm	
18mm	203186	10mm	90mm	
22mm	203226	10mm	90mm	
28mm	203286	10mm	90mm	
35mm	203357	10mm	90mm	
35mm	203359	3/8	90mm	



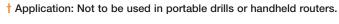
THINGE BORING

10mm ROUND SHANK • 2-WING WITH SPURS

Application: Drill Presses Only / Metric European hinges.

тррпоапот. В	TIII FTESSES OTILY /	Wictile Ediopt	Jan minges.	
ØD	Ød	Tool No.	L1	L
8mm	10mm	203008	30mm	90mm
10mm	10mm	203010	30mm	90mm
11mm	10mm	203011	30mm	90mm
12mm	10mm	203012	30mm	90mm
13mm	10mm	203013	30mm	90mm
14mm	10mm	203014	30mm	90mm
15mm	10mm	203015	30mm	90mm
16mm	10mm	203016	30mm	90mm
17mm	10mm	203017	30mm	90mm
18mm	10mm	203018	30mm	90mm
19mm	10mm	203019	30mm	90mm
20mm	10mm	203020	30mm	90mm
21mm	10mm	203021	30mm	90mm
22mm	10mm	203022	30mm	90mm
23mm	10mm	203023	30mm	90mm
24mm	10mm	203024	30mm	90mm
25mm	10mm	203250	30mm	90mm
26mm	10mm	203260	30mm	90mm
27mm	10mm	203027	30mm	90mm
28mm	10mm	203028	30mm	90mm
29mm	10mm	203029	30mm	90mm
30mm	10mm	203300	30mm	90mm
31mm	10mm	203031	30mm	90mm
32mm	10mm	203032	30mm	90mm
33mm	10mm	203033	30mm	90mm
34mm	10mm	203034	30mm	90mm
35mm	10mm	203350	30mm	90mm
36mm	10mm	203036	30mm	90mm
37mm	10mm	203037	30mm	90mm
38mm	10mm	203380	30mm	90mm
39mm	10mm	203039	30mm	90mm
40mm	10mm	203040	30mm	90mm



















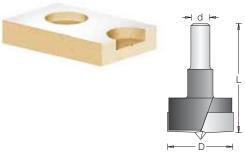
HINGE BORING

3/8" SHANK • 2-WING

Application: Drill presses only, right hand rotation. Economical alternative to other 35mm hinge bits.

ØD	Ød	Tool No.	L
35mm	3/8	EB-351	57mm

NOTE: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.



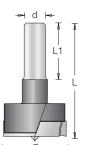
THINGE BORING FOR ROUTERS

60mm LONG, 1/2 SHANK, 2-WING (NO SPURS)

Application: Designed for high RPM (22,000) on plunge routers, CNC routers, machining centers and point-to-point machines.

	ØD	Ød	Tool No.	L1	L	
28	35mm	1/2	203431	30mm	60mm	

WARNING: Maximum RPM 28 = 28,000

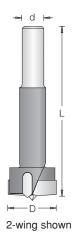


TERACTIONAL SIZE BORING

2 & 3 WING • WITH SPURS

Application: 1/2" shank for use in drill presses only.

ØD	Ød	Tool No.	L	Wings
1	1/2	420108	4	2
1-1/8	1/2	420208	4	2
1-1/4	1/2	420308	4	2
1-3/8	1/2	420408	4	2
1-1/2	1/2	420508	4	2
1-5/8	1/2	420608	4	2
1-3/4	1/2	420708	4	2
1-7/8	1/2	420808	4	2
2	1/2	420908	4	3
2-1/8	1/2	420918	4	3
2-1/4	1/2	420998	4	3



†METRIC COUNTERSINKS

2 FLUTE • CARBIDE-TIPPED

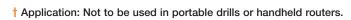
Application: Use with 10mm shank boring bits to drill and countersink for screws in one pass.

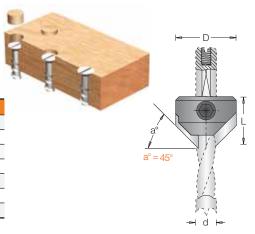
Ød	Tool No RH	Tool No LH	L
5mm	316005	416005	16.5mm
6mm	316006	416006	16.5mm
7mm	316007	416007	16.5mm
8mm	316008	416008	16.5mm
9mm	316009	416009	16.5mm
10mm	316010	416010	16.5mm
12mm	316012	416012	16.5mm
	5mm 6mm 7mm 8mm 9mm 10mm	5mm 316005 6mm 316006 7mm 316007 8mm 316008 9mm 316009 10mm 316010	5mm 316005 416005 6mm 316006 416006 7mm 316007 416007 8mm 316008 416008 9mm 316009 416009 10mm 316010 416010

Replacement set screw #67087 (5mm only).

Replacement set screw #67079 (6mm to 12mm).

NOTE: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.













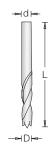




†METRIC BORING DRILLS SOLID CARBIDE

Application: Boring machines for shelving hardware, etc. Use with adapters or bushings, shown below.

Ød & ØD	Tool No RD	Tool No LH	L
2mm	363002	463002	49mm
2.5mm	363025	463025	55mm
3mm	363003	463003	55mm
3.2mm	363032	463032	55mm
3.5mm	363035	463035	55mm
4mm	363004	463004	55mm
4.5mm	363045	463045	55mm
5mm	363005	463005	55mm



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†10mm SHANK DRILL ADAPTERS

WITH RETAINING SCREW

Application: Use with solid carbide drills, shown above. For quick insertion and removal from chuck. (Can be used on left or right hand drills.)

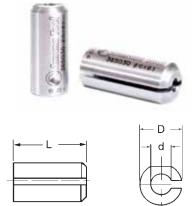
ØD	Ød	Tool No.	L
2mm	10mm	364020	38mm
2.3mm	10mm	364023	38mm
2.5mm	10mm	364025	38mm
3mm	10mm	364030	38mm
3.2mm	10mm	364032	38mm
3.5mm	10mm	364035	38mm
4mm	10mm	364040	38mm
4.5mm	10mm	364045	38mm
5mm	10mm	364050	38mm
1/4"	10mm	364063	38mm

Replacement set screw #67092 (new style #10-24) or #67097 (old style 5x8mm).

†10mm SHANK DRILL BUSHINGS

Application: Use with solid carbide drills, shown above. Economical alternative to drill adapters. (Can be used on left or right hand drills.)

ØD	Ød	Tool No.	L
2mm	10mm	365020	23mm
2.5mm	10mm	365025	23mm
3mm	10mm	365030	23mm
3.2mm	10mm	365032	23mm
3.5mm	10mm	365035	23mm
4mm	10mm	365040	23mm
4.5mm	10mm	365045	23mm
5mm	10mm	365050	23mm





[†] Application: Not to be used in portable drills or handheld routers.



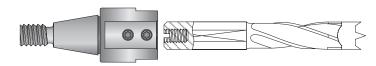








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Application: Replace worn or damaged chucks. In stock for immediate delivery. Meets or exceeds O.E.M. specifications.

Due to many different styles, please order carefully.

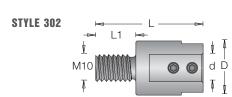
CHUCK FOR NOTTMEYER MACHINES

ØD	L1	Tool No RH	Tool No LH	M	Ød	L
19.5mm	15mm	310010	310105	8mm	10mm	40mm

STYLE 310 W M8 M8 T

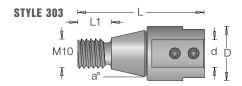
CHUCK FOR TORWEGGE • AYEN MACHINES

ØD	L1	Tool No RH	Tool No LH	M	Ød	L	
19.5mm	15mm	302010	302105	10mm	10mm	40mm	



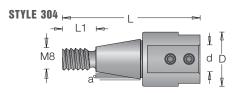
CHUCK FOR BUSSELATTO • OMPEC MACHINES

ØD	L1	Tool No RH	Tool No LH	a°	M	Ød	L
19.5mm	11mm	303010	303105	30°	10mm	10mm	46mm



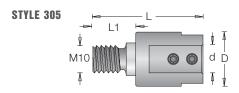
CHUCK FOR BILEK MACHINES

ØD	L1	Tool No RH	Tool No LH	a°	M	Ød	L
19.3mm	11mm	304010	304105	20.8°	8mm	10mm	48mm



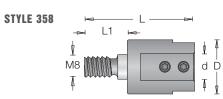
CHUCK FOR HOLZ-HER • S.C.M.I. • MORBIDELLI • BIESE REIMALL • VITAP • WEEKE MACHINES

ØD	L1	Tool No RH	Tool No LH	M	Ød	L
19.5mm	16mm	305010	305105	10mm	10mm	41mm



CHUCK FOR • MORBIDELLI • NOTTMEYER MACHINES

ØD	L1	Tool No RH	Tool No LH	M	Ød	L
19.3mm	15mm	358010	358105	8mm	10mm	41mm



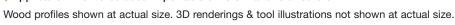
CHUCK FOR SCHEER MACHINES

ØD	L1	Tool No RH	Tool No LH	M	Ød	L	
19.5mm	_	359010	359105	10mm	10mm	42mm	

NOTE: Right hand tools rotate clockwise. Left hand tools rotate counter-clockwise.

STYLE 359 M10 T

[†] Application: Not to be used in portable drills or handheld routers.













ROSETTE **CUTTER SYSTEM CARRIDE TIPPED**

The only Rosette Cutter featuring replaceable carbide tipped insert knives. Fifteen different standard knife profiles available along with three sizes of blank knives for custom grinding.

The only Rosette Cutter with an optional shaper cutter head to make matching moldings.

Precision balanced for high speed operation on a heavy-duty drill press, milling machine, lathe or shaper. All cutter bodies are manufactured using the highest quality tool steel.

The Rosette Cutter works well in softwoods, hardwoods. MDF and solid surface materials such as Corian®, Gibraltar®, Surell®, etc.

BLANK CARBIDE TIPPED KNIVES:

59500 1-3/16" width 59510 1-1/2" width 59520 1-15/16" width

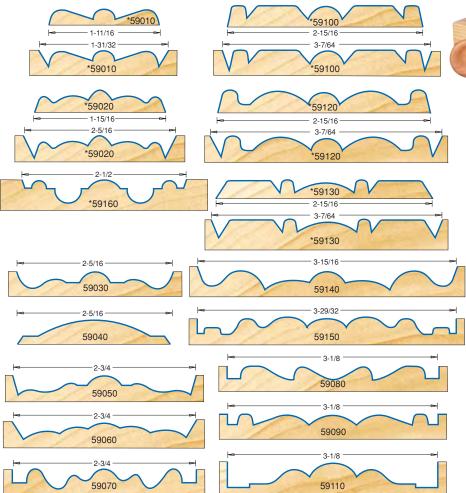
Accessories/Parts:

Special 1" x 3/4" shaper cutter bushing - #59700

Replacement 3mm hex key - #5008 Replacement special screw - #67008 (6 required)

Replacement 1/2" shank arbor only -#59702





COMPLETE ROSETTE CUTTER SYSTEM

Important Ordering Instructions:

- 1) Select the desired product number for either the Rosette cutterhead, shaper head, or both.
- 2) Knives must be ordered separately and you must order two of each of the selected knife for proper operation. 3) The Rosette cutterhead is designed
- to be used with a heavy-duty drill press, milling machine or lathe. Do not attempt to use this product in a light-duty drill press, portable electric drill or router.
- 4) Suggested initial speed for a drill press, etc., is 800 RPM with a slow feed rate. Increase RPM if tool is cutting too slowly. Conversely, if burning occurs, decrease RPM.
- 5) Maximum RPM 5000 (Rosette cutter) and 10,000 (shaper cutterhead only).
- * These knife patterns will cut either a standard recessed rosette or a rosette "button". (See photo and illustrations.)

NOTE: All knives are sold individually. Two of each knife are required for proper operation.

SET NO. 59000

Includes:

3-1/8" diameter Rosette Cutter (1/2" shank). 3-3/4" dia. shaper cutterhead (1" bore) hex key & custom wood box. Order knives separately.

Knives not included in set.



SET NO. 59004

Includes: 3-1/8" diameter Rosette Cutter (1/2" shank) hex

key & custom wood box. Order knives separately.

Knives not included in set.

NO. 59002

Includes:

3-3/4" diameter shaper cutter only (1" bore) Order knives separately.



Knives not included.



(Wood profiles not at actual size)











CARBIDE-TIPPED COUNTERSINK

FOR WOOD SCREWS / 2-WING

Wood	d							
Screv								Replacement
Size		ØD1	В	Ød	Tool No.	L1	L	Drill Bit
#4	11/32	3/32	1/2	5/16	55200	1-5/8	2-1/4	630-002
#4	3/8	7/64	1/2	5/16	55201	1-5/8	2-3/8	630-098
#6	5/16	1/8	1/2	5/16	55203	1-5/8	2-9/16	630-102
#6	3/8	1/8	1/2	5/16	55202	1-5/8	2-9/16	630-102
#6	1/2	1/8	1/2	5/16	55205	1-5/8	2-9/16	630-102
#6	25/64	9/64	1/2	5/16	55204	1-5/8	2-3/4	630-802
#8	25/64	5/32	1/2	5/16	55206	1-5/8	2-7/8	630-202
#8	7/16	11/64	1/2	5/16	55208	1-5/8	3	630-302
#10	7/16	3/16	1/2	3/8	55210	1-3/4	3	630-402
#10	1/2	3/16	1/2	3/8	55211	1-3/4	3	630-402
#12	15/32	7/32	1/2	3/8	55212	1-3/4	3	630-502
#12	1/2	7/32	1/2	3/8	55213	1-3/4	3	630-502
#14	1/2	15/64	1/2	3/8	55214	1-3/4	3	630-602
#14	1/2	1/4	1/2	3/8	55215	1-3/4	3	630-702
#14	17/32	1/4	1/2	3/8	55216	1-3/4	3	630-702





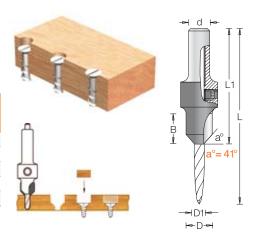
CARBIDE-TIPPED COUNTERSINKS WITH TAPER POINT DRILL



FOR WOOD SCREWS / 2-WING

Wood Screw Size	ØD	ØD1	В	Ød	Tool No.	L1	L	Replacement Drill Bit
#4	11/32	3/32	1/2	5/16	55600	1-1/2	2-1/4	630-262
#6	3/8	1/8	1/2	5/16	55602	1-5/8	2-9/16	630-266
#6	25/64	9/64	1/2	5/16	55604	1-5/8	2-3/4	630-268
#8	7/16	11/64	1/2	5/16	55608	1-5/8	2-7/8	630-272
#10	7/16	3/16	1/2	3/8	55610	1-3/4	3	630-274

Replacement set screw #67083.



'DI-COUNT'™ ADJUSTABLE COUNTERSINK

Accepts Drills* from 3/32" through 9/32" (Wood Screw Sizes #2 through #18.)

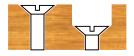
CARBIDE-TIPPED / 2-WING

ØD	a°	Tool No.	В	Ød	L
7/16-19/32	45°	20200	7/16	3/32-9/32	1-1/4

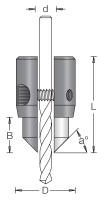
Replacement allen screws (2 required) #67090.

Replacement 3mm hex key #5004.

*Drills not included.



SEE QUICK CHANGE TYPE COUNTERSINKS















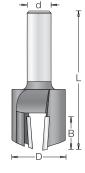
PLUG CUTTER FOR ROUTERS

1/2" SHANK • CARBIDE-TIPPED • 2 FLUTE

ØD	ØD1	В	Tool No.	Ød	L
5/8	3/8	1/2	55220	1/2	2-1/2
25/32	1/2	1/2	55222	1/2	2-1/2
29/32	5/8	1/2	55224	1/2	2-1/2







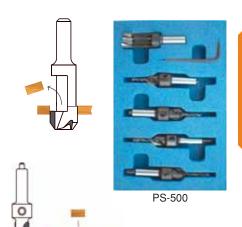
CARBIDE TIPPED COUNTERSINK & PLUG SET

10MM DIAMETER COUNTERSINK & PLUG

- •Drilling & Countersinking with a single tool.
- •Concealing of screwheads with plugs which perfectly fit with countersink.
- •Designed for portable drills and drill presses.

Drill Dia.	Tool No.	Description
1/8"	PS-100	2 Pc. Countersink & Plug Cutter
9/64"	PS-200	2 Pc. Countersink & Plug Cutter
5/32"	PS-300	2 Pc. Countersink & Plug Cutter
11/64"	PS-400	2 Pc. Countersink & Plug Cutter
_	PS-500	All 4 Countersinks & drills & 1 Plug Cutter
_	PLC-100	Plug Cutter only (10mm dia.)

NOTE: All countersinks are carbide-tipped. The plug cutter and drill bits are high-speed steel. Countersinks have 8mm shank diameter.



RTA FURNITURE DRILL/COUNTERSINK

Commonly used for RTA (ready-to-assemble) furniture fittings. Specially-treated high-speed steel countersink with polished slow-spiral drill bit. Will perform 3 tasks in one: pilot hole, clearance hole and countersink.

ØD	ØD1	ØD2	В	Tool No.	B1	Ød	L
3.5mm	5.0mm	7.0mm	15.0mm	55102	5.0mm	10mm	80mm
5.0mm	7.0mm	10.0mm	15.0mm	55103	5.0mm	10mm	90mm

Replacement 3.5mm HSS slow spiral drill bit, 2-3/4" long, #55104.
Replacement 5.0mm HSS slow spiral drill bit, 3-7/16" long, #55105.
Replacement #10-24 set screw, #67092 (requires #5000 3/32" hex key).

















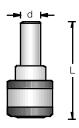


QUICK RELEASE ACCESSORIES

OUICK CHANGE CHUCK

Simply pull sleeve to change drill bits, screwdrivers, countersinks and other power bits. Special long shaft for use with keyless chucks. This is an industrial quality accessory manufactured with exacting tolerances.

Ød	Tool No.	L
3/8	55298	2

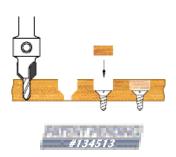


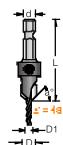
CARBIDE TIPPED COUNTERSINKS

Drill pilot hole and tapered countersink for wood screws. Carbide tipped for long lasting results in hardwood, plywood, plastics, etc.

	an.	an.	Wood	-0	Tool No.	C.J		Replacement
ı	ØD	ØD1	Screw Size	a°	Tool No.	Ød	L	Drill Bit
	3/8	5/64	#4	49°	55260	1/4	2-1/8	630-001
	3/8	3/32	#6	49°	55262	1/4	2-1/8	630-002
	3/8	7/64	#8	49°	55264	1/4	2-1/8	630-098
	3/8	1/8	#10	49°	55266	1/4	2-1/8	630-102
	1/2	9/64	#12	49°	55268	1/4	2-1/8	630-802
	1/2	5/32	#12-#14	49°	55269	1/4	2-1/8	630-202







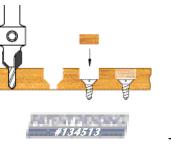
CARBIDE TIPPED COUNTERSINKS WITH TAPER POINT DRILL

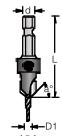


Drill pilot hole and tapered countersink for wood screws. Carbide tipped for long lasting results in hard wood, plywood, plastics, etc.

an.	an.	Wood	-0	T	~ ·		Replacement
ØD	ØD1	Screw Size	a°	Tool No.	Ød	L	Drill Bit
3/8	5/64	#4	41°	55620	1/4	2-1/8	630-260
3/8	3/32	#6	41°	55622	1/4	2-1/8	630-262
3/8	7/64	#8	41°	55624	1/4	2-1/8	630-264
3/8	1/8	#10	41°	55626	1/4	2-1/8	630-266
1/2	9/64	#12	41°	55628	1/4	2-1/8	630-268
1/2	5/32	#12-#14	41°	55630	1/4	2-1/8	630-270

Replacement set screw #67083. Hex key #5009.



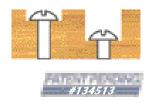


CARBIDE TIPPED COUNTERBORES

Flat bottom counterbores for using round head screws, hex bolts, etc. Includes pilot drill.

					Replacement
ØD	ØD1	Ød	Tool No.	L	Drill Bit
3/8	5/32	1/4	55280	2-3/16	630-202
3/8	3/16	1/4	55282	2-3/16	630-402
1/2	3/16	1/4	55284	2-3/4	630-402
1/2	1/4	1/4	55286	2-3/4	630-702
5/8	1/4	1/4	55288	2-3/4	630-702

Replacement set screw #67083. Hex key #5009.





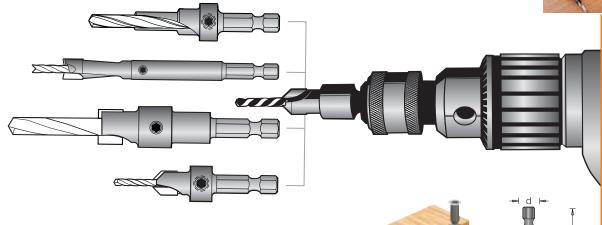












RTA FURNITURE DRILL/COUNTERSINK

RTA furniture step drill. Used for drilling pilot hole, clearance hole and countersinking.

ØD	ØD1	ØD2	Ød	Tool No.	В	B1	L
3.5mm	5.0mm	7.0mm	1/4	55290	15.0mm	5.0mm	52.0mm
5.0mm	7.0mm	10.0mm	1/4	55292	15.0mm	5.0mm	90.0mm

Replacement 3.5mm HSS slow spiral drill bit, 2-3/4" long, #55104. Replacement 5.0mm HSS slow spiral drill bit, 3-7/16" long, #55105. Replacement #10-24 set screw, #67092 (requires #5000 3/32 hex key).

CARBIDE TIPPED COUNTERBORES FOR FACE FRAME MACHINES W/QUICK SHANK

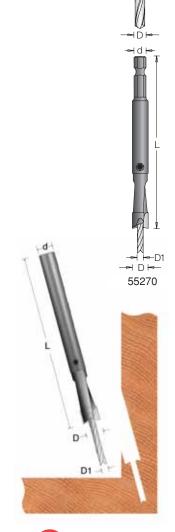
ØD	Туре	Description	Tool No.	ØD1	Ød	L
3/8	1	Counterbore/drill for	55270	.136	1/4	4
		face frame machines				
_	_	#29 replacement	424004	.136	_	2-7/8
		HSS fish tail drill				
_	_	8-32 NC set screw	67010	_	_	_

†CARBIDE TIPPED COUNTERBORES FOR FACE FRAME MACHINES

Application: Features include precision ground carbide-tipped counterbore for splinter-free cutting, non-slip surface treatment for positive clamping, wide web design for superior strength and replaceable HSS fishtail drills. Available for face frame machines (type 1) and drill presses (type 2). Type 1 will fit Evans, Ritter, Unique, Marcon and Norfield face frame machines.

ØD	Туре	Description	Tool No.	ØD1	Ød	L
3/8	1	Counterbore/drill for	424000	.136	3/8	4
		face frame machines				
3/8	2	Counterbore/drill for	424002	.136	3/8	6
		drill presses				
_	_	#29 replacement	424004	.136	_	2-7/8
		HSS fishtail drill				
	_	8-32 NC set screw	67010	_	_	_

[†] Application: Not to be used in portable drills or handheld routers.



D1













FORSTNER PATTERN SETS HIGH CARBON TOOL STEEL

All sets are packed in beautiful, custom-made hardwood cases. Features a sliding, clear acrylic door with sizes imprinted on the front and a pre-drilled bit tray that rotates for easy access to your tools.



Set No. FO-700



Set No. FO-600

3/8" SHANK

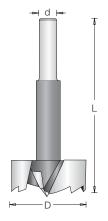
Description	Order #	
6-Piece Forstner bit set, 3/8" shank.	FO-600	
Sizes: 3/8, 1/2, 5/8, 3/4, 7/8, 1.		
15-Piece Forstner bit set, 3/8" shank.		
Sizes: All 15 fractional sizes.	FO-700	
(3/8 through 2-1/8 in 1/8 increments.)		

MULTI-TOOTH FORSTNER BITS

Specially designed Forstner bits for cutting telephone and computer wire grommet access holes in office furniture. All tools feature precision ground and tempered tool steel, multi-tooth cutting edges for faster cutting and chip removal, and massive cutter body to dissipate heat and resist burning.

1/2" SHANK HIGH CARBON TOOL STEEL

ØD	Tool No.	Ød	L
2-1/8 (54mm)	F0-546	1/2	6
2-1/4 (57mm)	F0-558	1/2	6
2-3/8 (60mm)	F0-562	1/2	6
3 (76mm)	F0-574	1/2	6
3-1/8 (80mm)	F0-560	1/2	6



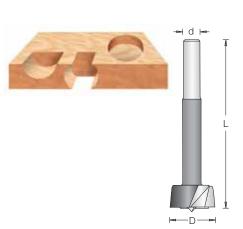
FORSTNER PATTERN BITS

Application: Drill pocket-holes, flat-bottom holes*, etc., using any 3/8" or larger portable drill or stationary drill press. Forstner pattern bits are well known for their ability to drill clean and chip-free holes in wood. Amana Tool® uses only the finest quality tool steel, precision machined and ground on state-of-the-art equipment. Large gullets milled in the tool body provide exceptional chip clearance.

2 WING HIGH CARBON TOOL STEEL

ØD	Ød	Tool No.	L	ØD	Ød	Tool No.	L
1/4	5/16	F0-080	3-1/2	1	3/8	F0-254	3-1/2
3/8	3/8	F0-095	3-1/2	1-1/16	3/8	F0-269	3-1/2
5/16	3/8	F0-079	3	1-1/8	3/8	F0-285	3-1/2
7/16	3/8	F0-111	3-1/2	1-1/4	3/8	F0-317	3-1/2
1/2	3/8	F0-127	3-1/2	1-3/8	3/8	F0-349	3-1/2
9/16	3/8	F0-142	3-1/2	35mm	3/8	F0-350	3-1/2
5/8	3/8	F0-160	3-1/2	1-1/2	3/8	F0-381	3-1/2
11/16	3/8	F0-174	3-1/2	1-5/8	3/8	F0-413	3-1/2
3/4	3/8	F0-190	3-1/2	1-3/4	3/8	F0-445	3-1/2
13/16	3/8	F0-206	3-1/2	1-7/8	3/8	F0-476	3-1/2
7/8	3/8	F0-222	3-1/2	2	3/8	F0-508	3-1/2
15/16	3/8	F0-238	3-1/2	2-1/8	3/8	F0-540	3-1/2

^{*}NOTE: A small pilot hole used for centering will be present on flat bottom holes.







DYNAMIC STRAIGHTNESS

Fully Automated Dynamic Operation Long-Lasting Straightness, Longer Tool Life and Superior Cutting Quality

DYNAMIC BALANCING

Unique balancing procedure according to ISO 1940 performed on special dedicated machines

DYNAMIC TENSIONING

Process used to ensure blade stiffness to eliminate dishing and warping

COPPERPLUG REDUCES NOISE & VIBRATION



Saw Blades

COMBINATION RIP/CROSSCUT

SOFT/HARDWOOD CROSSCUT

SOFT/HARDWOOD RIPPING

GENERAL INFORMATION

1. TOOTH CONFIGURATIONS							
		FLAT TOP (FT)	Used on saw blades for cutting soft and hardwood along the grain (ripping).				
	Market State of the State of th	ALTERNATE TOP BEVEL (ATB)	Alternate right top bevel and left top bevel. Used on saw blades for general purpose and crosscutting natural wood & veneered plywood.				
		ALTERNATE TOP BEVEL MODIFIED (H-ATB)	Higher top bevel grind and longer tooth than our standard alternate top bevel. Used on 'MB' and 'MSB' Series blades and are specifically designed for cutting melamine chip-free on table saws without the aid of scoring units. Also used on dado sets, only every 6th tooth is flat ground.				
		COMBINATION TOOTH (4 & 1)	Groups of four alternate top bevel and one flat ground tooth, divided by large gullets in the saw plate. Used on combination blades for general purpose wood applications.				
		TRIPLE CHIP (TCG)	Alternate flat raker tooth and higher trapeze tooth divides the chips to achieve cuts in hard materials, MDF, OSB and plastics. Also used on blades for cutting non-ferrous materials.				
		CALIFORNIA TRIPLE CHIP (C-TCG)	For use in miter saws in picture frame shops, window and door manufacturers or anywhere that miter machines are used. Produces burr-free cuts in non-ferrous materials as well as splinter-free cuts in wood and wood-based products.				
	0	CONE FORM (CONICAL)	Used on conical tooth scoring blades.				
		HOLLOW GROUND (HG)	Hollow face grind is used for cutting melamine and other difficult to machine materials. Generally used on vertical panel saws (Striebig, etc.).				
Saw Blade Symbol Keychart SOFT/HARDWOOD BIPPING	COMBINATION	SOFT/HARDWOOD CROSSCUT	CABINET PLYWOOD MDF/FIBER BOARD PLASTIC LAMINATE DEMOLITION PRIPCROSSCUT SINGLE & DOUBLE SIDED FMFRGENCY				



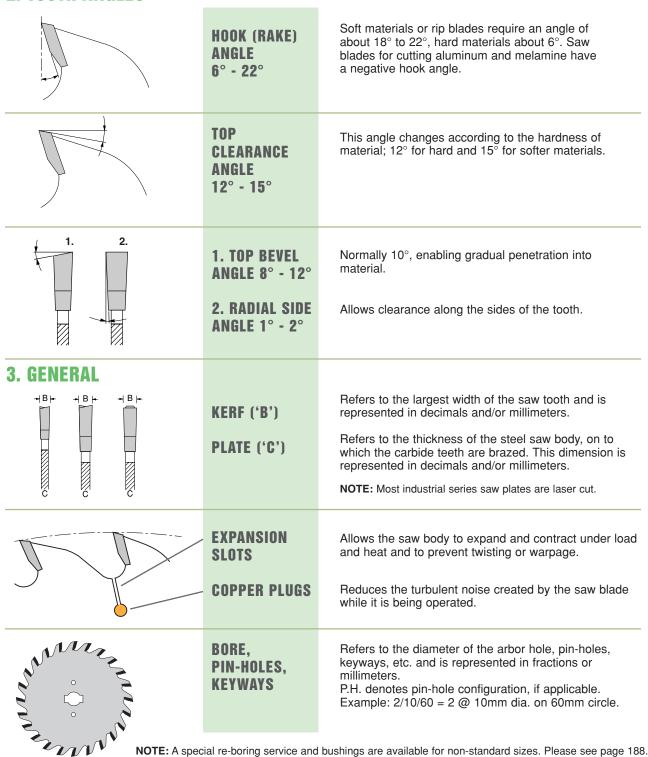
DEMOLITION EMERGENCY

PLASTIC LAMINATE SINGLE & DOUBLE SIDED

Saw Blades



GENERAL INFORMATION 2. TOOTH ANGLES





















220mm

30mm BORE

HG220T403

DT220T640

HG220T420

DT220T643

LB220T641

DT86401

LB86401

PC-630

584801

586401

HG10483(-30)

DT10720

HG10480(-30)

610721(C)(-30)

DT10721

LB10801(C)(-30)

510601(C)(-30)

510801(C)(-30) 510101(C)

CTC10963

596001

INDUSTRIAL SAW BLADE QUICK INDEX 7" THROUGH 10"

TYPE

CATALOG PAGE #

TMACHINE

KEY

7" (180mm)

5/8" BORE

8" (200mm)

5/8" BORE

Saw Blades

APPLICATION

GRIND

(C) denotes available with clamshell package

9" (230mm)

5/8" BORE

denotes available with claimshell pack denotes new product. denotes heavy duty plate and kerf for extreme conditions.

10" (250mm)

5/8" BORE

182 RS-710 610200(C)(-30) Standard **RIPPING** TCG Euro 182 T,S RB1020(C)(-30) ◆ Heavy-duty 183 T,S 710200 Glue Line 183 T,G,S 610301 Gang Rip 184 GR1010/GR1018 G GP-420 220T340 694000 185 T,S **GENERAL PURPOSE** Standard 610400(C)(-30) Prestige 190 PR1040 610300(-30) PR1040 Thin Kerf 186 T,M TB83400 TB10400 ATB ◆ Heavy-duty Standard 186 684004 694004 610504(C) **COMBINATION** 610404(C) RIP/CROSSCUT PLYW00D Radial Arm 197 R,M RA1024 _ 610720(C) FC-520 696000 T,R,M,S 684800 185 Standard 610600(C)(-30) **CUT-OFF/CROSSCUT TRIM** 187 FC-530 WOOD/CABINET Heavy-duty 188-189 T,R 199 T,R,M,S DT10600(30) Ditec™ Radial Arm 197 189 General 190 TB86400 TB10800 Standard THIN KERF TRIM/MITER Miter 191 TB86401 TB10801 TB10100 TB10101 ATB 192 MS10600 Standard MITER/DOUBLE MITER MS10800 C-TCG T,R,M,S 675600 686400 Standard 188 220T640 610800(C) **FINE CROSSCUT** Heavy-duty T,R,S Thin Kerf T. M 610800(C)-TS Ditec™ 199 T.R.M.S DT10800 T,R,S 610401(C)(-30) Standard MDF/CHIPBOARD/LAMINATE MDF/LAMINATE TCG T,R Heavy-duty **GENERAL** Thin Kerf **PURPOSE** T,R,M,S Standard 684801 696001 610601(C)(-30) **MDF/LAMINATE** TCG **CUT-OFF** T.R ♦ Heavy-duty 199 DT10601 Ditec™ T,R,M,S Thin Kerf T.R.S 686401(-30) 220T641 610801(C)(-30) Standard MDF/LAMINATE TCG Heavy-duty T,R FINE CROSSCUT Thin Kerf T,M TB86401 610801(C)-TS Ditec" T,R,M,S DT220641 DT10801(-30) 212 Standard **DEMOLITION &** FT NC-820 213 **NAIL CUTTING** Standard 194 T,S MB86400 MB220T420 MB10800(C)(-30) **MELAMINE** MSB1080(C)(-30) DT220T640 Ditec™ 198 DT10720 Negative Hook 193 HG **HOLLOW**

SPECIALTY

GROUND

SOLID SURFACE

ACRYLIC, LEXAN

"NO-MELT"

ALUMINUM

NON-FERROUS



180

Positive Hook

Pos. HG

Special HG

Standard

Standard

Extrusions:

Thick Wall

Thin Wall

Double Miter

Miter

Ditec™

TCG

I TO

TCG

193

195

200

195

196

196

192

192

T,S

T,S

T,S

T,S,R,M

T,S,R,M

T,M

T,M

PC-620

575601

Saw Blades

INDUSTRIAL SAW BLADE QUICK INDEX 12" THROUGH 20"

(C) denotes available with clamshell package.

n denotes new product.

denotes heavy duty plate and kerf for extreme conditions.



CALICII	ne conditions.					, oron in				-
	APPLICATION	GRIND	ТҮРЕ	PAGE #	†MACHINE KEY	1" BORE	14" (350mm) 1" BORE	16" 400mm 1" BORE	18" (450mm) 1" BORE	20" (500mm) 1" BORE
WOOD/CABINET PLYWOOD	RIPPING		Standard	182	T,S	612240(-30)	614280(-30)	616320(-30)	618320	620360
	June 2		Euro	182 183	T,S	RB1224(C)(-30) 712240	RB1428(-30)	RB1628	RB1840 -	RB2044
	į į	FT TCG	◆ Heavy-duty Glue Line	183	T,S T,G,S	612401	714280(-30) 614401	716320		72360
	Zum .		Gang Rip	184	G G	GR1212/GR1220	GR1414/GR1424	616401		-
			Standard	185	T,S	612360(-30)	614540(-30)	616480(-30)	618540	620600
	GENERAL PURPOSE	ATB	Statiuaru	103	1,0	612480(C)(-30)	614420(-30)	616600(-30)	010340	020000
	A STATE OF THE STA		Prestige	190		PR1240	014420(-30)	010000(-30)		-
			Thin Kerf	186	T,M	TB12480	TB14540(-30)	_	_	
	Same hours		◆ Heavy-duty	100	T	1512400	1514040(00)	716600		
	COMPLIATION	75.75	Ctondord	186	Ť	612604(C)	614704	616804	-	-
	COMBINATION RIP/CROSSCUT					-	_	-	-	_
	RIP/GRUSSGUI		Radial Arm	197	R,M	RA1236(-30)	RA1440	RA16840	-	_
	55mm may					- ` ´	RA1442	RA1640	-	_
≥.	CUT-OFF/CROSSCUT TRIM		Standard	185	T,R,M,S	612600(C)(-30)	614720(-30)	616960	618108(-30)	620120(-30)
ᆸ	mustrum frame			187		612720(C)(-30)	614840	-	-	
ᇤ			◆ Heavy-duty	188-189	T,R	712600	714720, 714840	=	-	-
2	The same of the sa	ATB	Ditec™	199	T,R,M,S	DT12720(-30)	DT14840(-30)	716600	-	
AB		"""	Radial Arm General	197 189				716800		<u> </u>
2	THIN KERF		Standard	190		TB12960	TB14108			
0	TRIM/MITER		Miter	191		TB12961	TB14109			<u> </u>
9	INIVIVIII EN		WIILOI	101		1512001	1514103			
>										
	The same of the sa	ATB TCG								
	MITER/DOUBLE MITER		Standard	192		MS12800-5/8	MS14100			
	I WILLIAM HER					MS12100-5/8	MS14100-5/8			
	c-TCG					MS12800				
		4 & 1								
	FINE		Standard	188	T,R,M,S	612960(C)(-30)	614108(-30)	616128	618132	-
	CROSSCUT (◆ Heavy-duty		T,R,S T. M	712960	- 614108-TS	716960		-
			Thin Kerf		I, IVI	612960-TS TB12960	TB14108(-30)	_	_	_
	The state of the s	ATB	Ditec™	199	T,R,M,S	DT12960(-30)	DT14108(-30)	_	_	
ш	BADE// ABAINIATE		Standard	100	T,R,S	612601(-30)	614541	-	_	
A	MDF/LAMINATE GENERAL	TCG	◆ Heavy-duty		T,R	712601	-	716601, 716801	-	-
\leq			Thin Kerf		,		714721	,		
M	PURPOSE	TCG					714841			
7	MDF/LAMINATE		Standard		T,R,M,S	612721(C)(-30)	614721(-30)	616961	618109(-30)	620121
윤	CUT OFF						614841			
OA	COLOLL	TCG	◆Heavy-duty Ditec™	199	T,R T,R,M,S	 DT12721(-30)	714721, 714841 DT14841(-30)	716961	-	-
8	Sommy ward	TCG	Difec		1,11,111,5	612961(C)(-30)	D114041(-30)	_	_	_
DF/CHIPBOARD/LAMINATE			Thin Kerf			012301(0)(-30)				
2	MDF/LAMINATE		Standard		T,R,S	612961(C)(-30)	614109	616129	618133	_
	FINE CROSSCUT		Heavy-duty		T,R	712961	-	-	-	-
\geq	TIME CHOSSEOT	TCG	Thin Kerf		T,M	TB12961	TB14109	-	-	-
	Som was	TCG	Ditec™		T,R,M,S	DT12961(-30)	DT14109(-30)	-	-	-
	DEMOLITION &		Standard	212						
	NAIL CUTTING [213		300-24-1				
	A Committee of the comm	FT								
SPECIALTY	~~~	FT	Standard	194	T,S	MB12960(C)(-30)	MB14108	MB16120	_	_
	MELAMINE		Statitualu	194	1,0	MSB1296(C)(-30)		IVIDIOIZU		
	{] }		Ditec™	198	T,S	DT12840(-30)				
	Lam mos	H-ATB			,-					
	HOLLOW MASSAM	ΛM	Negative Hook	193		HG12603(-30)				
	GROUND		Positive Hook	193		ì				
	GIOGIAD	HG	Pos. HG		T,S		-			
A		HG	Special HG		T,S	HG12600(-30)	HG14720(-30)			
23	SOLID SURFACE		Standard	195	T,S,R,M	612841(-30)	614461	619109	-	-
SP			Ditec™	200	T,S	DT12841(-30)	-	-	-	
	La Maria	TCG								
	"NO-MELT"		Standard	195	T,S,R,M	LB12961	LB14108	LB16121	-	-
			Otundurd	100	1,0,11,101	EBIZOOI	EB14100	EDIOIEI		
	ACRYLIC, LEXAN	TCG								
	1 Throngs	TcG								
	ALUMINUM		Extrusions:							
	NON-FERROUS		Thick Wall	196	T,M	512721(C)(-30)	514841	516961	518108	
		TCG	Thin Wall	196	T,M	512961(C)(-30)	514108(-30)	516121	518121	520121
	mark	TCG	Mitor	100		CTC10100				
		1	Miter Double Miter	192		CTC12108				
			Double Miter	192		CTC12108-5/8		I		

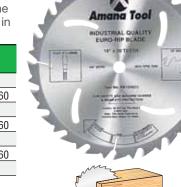
'EURO-RIP' RIPPING WITH COOLING SLOTS AND ANTI-KICKBACK FEATURE

10" TO 20"

20° HOOK • FLAT TOP (FT) GRIND

Designed for ripping hardwood and softwood, this exceptional blade cuts fast and smooth. The flat-top grind and the high positive hook angle reduce feed effort. The anti-kickback limits the thickness of chip; taken to offer a safer cut. Cooling slots in the body prevent excessive heat build-up.

	0.5		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	vo moat k	rama ap.			
ØD)			'B' Kerf		'C' Plate		
Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.
10	250	20	FT	.126	RB1020	.087	5/8	-
10	250	20	FT	.126	RB1020-30	.087	30mm	2/7/42 & 2/10/60
12	300	24	FT	.126	RB1224	.087	1	-
12	300	24	FT	.126	RB1224-30	.087	30mm	2/7/42 & 2/10/60
14	350	28	FT	.126	RB1428	.087	1	-
14	350	28	FT	.126	RB1428-30	.087	30mm	2/7/42 & 2/10/60
16	400	28	FT	.137	RB1628	.098	1	_
18	450	40	FT	.157	RB1840	.110	1	_
20	500	44	FT	.173	RB2044	.118	1	-



Amana Too

15°

NOTE: *All 30mm bore include the pin-hole arrangements.

RIPPING STANDARD

10" TO 20"

20° HOOK • FLAT TOP (FT) GRIND

This blade is the classic ripper for both hardwood and softwood.

It features the flat-top grind for cutting with the grain efficiently, ample gullets for fast chip-clearance, expansion slots and turbulence-reducing copper plugs. Available in 18° and 20° hook configurations. The new blade with the 20° hook angle features a thicker plate and cuts a wider kerf. Use in single and gang-rip saws.

	'				0	0 0	'	
Ø	D			'B' Kerf		'C' Plate		
Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.
10	250	24	FT	.142	610240	.095	5/8	-
12	300	30	FT	.173	612300-30	.110	30mm	2/7/42 & 2/10/60
12	300	30	FT	.160	△ 612300-70	.110	70mm	_
12	300	30	FT	.160	612300	.110	1	_
14	350	30	FT	.170	614300-30	.118	30mm	2/7/42 & 2/10/60
14	350	30	FT	.170	△ 614300-70	.118	70mm	_
14	350	30	FT	.170	614300	.118	1	-
16	400	36	FT	.173	616360-30	.118	30mm	2/7/42 & 2/10/60
18	450	32	FT	.157	618320	.110	1	_
20	500	36	FT	.173	620360	.110	1	_

18° HOOK

△ 2 Keyways (5mm x 20mm)

	Ø	D			'B' Kerf		'C' Plate		
	Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.
	10	250	20	FT	.126	610200	.087	5/8	-
Ne	w 10	250	20	FT	.126	610200-30	.087	30mm	2/7/42 & 2/10/60
	12	300	24	FT	.126	612240	.087	1	-
	12	300	24	FT	.126	612240-30	.087	30mm	2/7/42 & 2/10/60
	14	350	28	FT	.137	614280	.098	1	-
	14	350	28	FT	.137	614280-30	.098	30mm	2/7/42 & 2/10/60
	16	400	32	FT	.137	616320	.098	1	-
	16	400	32	FT	.137	616320-30	.098	30mm	2/7/42 & 2/10/60

















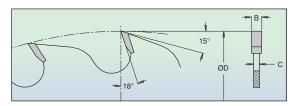




RIPPING HEAVY-DUTY

10" TO 20"

18° HOOK FLAT TOP (FT) GRIND



Heavy-duty production ripping is this blade's forte. It has all the features needed for use with power feeders and gang-ripping operations: a low tooth count, flat-top grind, deep gullets for efficient chip clearance and a thick plate for reduced vibration.

ØI)				'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
10	250	20	FT	710200	.150	.095	5/8	_
12	300	24	FT	712240	.173	.110	1	_
14	350	28	FT	714280	.173	.110	1	_
14	350	28	FT	714280-30	.173	.110	30mm	2/10/60
16	400	32	FT	716320	.173	.118	1	-
16	400	32	FT	716320-30	.173	.118	30mm	2/10/60
20	500	36	FT	720360	.173	.118	1	-

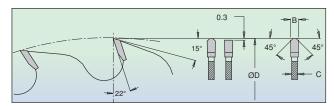




GLUE LINE RIPPING

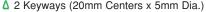
10" TO 16"

22° HOOK Triple Chip (TC) Grind



Rip then glue up. With this exceptional blade, there's no need for sanding or jointing after the cut. The precision triple-chip grind & extra-high hook angle allow aggressive feed rates, yet produces an extra-smooth cut finish. The thick plate minimizes vibration. Use on table saws, sliding table saw, single and gang-rip operations.

Ø	D			'B' Kerf		'C' Plate			
Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.	Machine
10	250	30	TCG	.145	610301	.095	5/8	-	_
12	300	40	TCG	.160	612401	.110	1	-	_
12	300	40	TCG	.160	612401-3-1/8	.110	3-1/8	_	Mereen-Johnson
12	300	40	TCG	.160	△ 612401-70	.110	70mm	_	SCM
14	350	40	TCG	.169	614401	.118	1	-	-
14	350	40	TCG	.169	614401-3-1/8	.118	3-1/8	_	Mereen-Johnson
14	350	40	TCG	.169	△ 614401-70	.118	70mm	-	SCM
16	400	40	TCG	.169	616401	.118	1	-	_
A 0 1	,	/00	<u> </u>						



























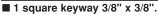
GANG RIP BLADES WITH 2 CARBIDE RAKERS

10" TO 14"

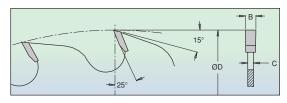
25° HOOK FLAT TOP (FT) GRIND

For ripping soft or hardwood on gang rip wet or dry. Please pay attention to the keyway.

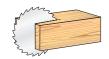
Ø	D				'B' Kerf	'C' Plate	
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore
10	250	10+2	FT	■ GR1010	.125	.083	2-3/8
12	300	12+2	FT	◆ GR1212	.125	.083	2-15/16
12	300	12+2	FT	◆ GR1214	.150	.109	2-15/16
14	350	14+2	FT	◆ GR1414	.160	.120	2-1/2
14	350	16+2	FT	● GR1416	.125	.083	4



- ♦ 2 round keyways 3/8" x 3/8" + 1 round keyway 1/2" x 1/2".
- 1 pin-hole 7/16" dia. on 5" bolt circle.







GANG RIP BLADES WITH 2+2 CARBIDE CHIP CLEARANCE RAKERS

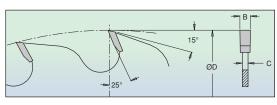
10" TO 14"

25° HOOK FLAT TOP (FT) GRIND

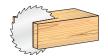
For ripping soft or hardwood on gang rip wet or dry. Please pay attention to the keyway.

Ø	D				'B' Kerf	'C' Plate	
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore
10	250	18+2+2	FT	■ GR1018	.174	.110	2-3/8
12	300	20+2+2	FT	◆ GR1220	.197	.125	2-15/16
14	350	24+2+2	FT	◆ GR1424	.197	.125	2-1/2
14	350	24+2+2	FT	● GR1426	.197	.125	4

- 1 square keyway 3/8" x 3/8".
- ♦ 2 round keyways 3/8" x 3/8" + 1 round keyway 1/2" x 1/2".
- 1 pin-hole 7/16" dia. on 5" bolt circle.



























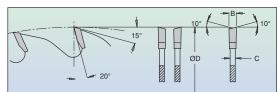
MULTI-USE RIPPING/GENERAL PURPOSE

10" TO 20"

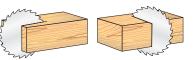
20° HOOK • ALTERNATE TOP BEVEL (ATB) GRIND

This is an excellent and popular general purpose configuration blade. Its low tooth count, high hook angle, and ample gullets make it an aggressive, fast-cutting ripping blade. But its ATB grind allows it to crosscut well. A good choice for all-around use.

Ø	D				'B' Kerf	'C' Plat	е	
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
10	250	30	ATB	610300	.126	.087	5/8	-
10	250	30	ATB	610300-30	.126	.087	30mm	2/7/42 & 2/10/60
12	300	36	ATB	612360	.126	.087	1	-
12	300	36	ATB	612360-30	.126	.087	30mm	2/7/42 & 2/10/60
14	350	42	ATB	614420	.137	.098	1	-
14	350	42	ATB	614420-30	.137	.098	30mm	2/7/42 & 2/10/60
16	400	48	ATB	616480	.137	.098	1	-
16	400	48	ATB	616480-30	.137	.098	30mm	2/7/42 & 2/10/60
18	450	54	ATB	618540	.150	.110	1	_
20	500	60	ATB	620600	.173	.110	1	_







GENERAL PURPOSE CUT-OFF

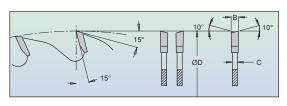
220mm TO 16"

15° HOOK • ALTERNATE TOP BEVEL (ATB) GRIND

While similar in most aspects to the blade above, this one has a slightly lower hook angle. That lower angle improves the surface quality of the cut but increases the feed pressure required. This blade is a good choice for general purpose ripping and crosscutting of hardwoods and softwoods in a range of thicknesses, with occasional cutting of plywood and other man-made materials mixed in.

	Ø	D			,	B' Kerf	'C' Plat	е	
	Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
Ne	6 8	200	34	ATB	683400	.118	.079	5/8	-
	-	220	34	ATB	† 220T340	.118	.079	30mm	2/7/42
Nev	W 9	230	24	ATB	692400	.118	.079	5/8	-
	9	230	40	ATB	694000	.118	.079	5/8	_
	10	250	40	ATB	610400	.126	.087	5/8	-
	10	250	40	ATB	610400-30	.126	.087	30mm	2/7/42 & 2/10/60
	12	300	48	ATB	612480	.126	.087	1	-
	12	300	48	ATB	612480-30	.126	.087	30mm	2/7/42 & 2/10/60
	14	350	54	ATB	614540	.137	.098	1	_
	14	350	54	ATB	614540-30	.137	.098	30mm	2/7/42 & 2/10/60
	16	400	60	ATB	616600	.137	.098	1	_
	16	400	60	ATB	616600-30	.137	.098	30mm	2/7/42 & 2/10/60

†NOTE: For Holz-Her 220mm panel saws.

















NON-FERROUS ALLOYS







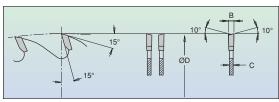


THIN KERF GENERAL PURPOSE 8" TO 15"

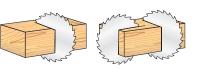
15° HOOK ALTERNATE TOP BEVEL (ATB) GRIND

A thin-kerf blade has a slightly thinner plate and cutting tips. The benefits include reduced stress on the saw and its motor and reduced stock loss. Thin-kerf blades typically are used on saws powered by universal motors, including jobsite table saws and the various type of miter saws. The Amana Tool® thin-kerf general purpose blade is not recommended for cutting stock thicker than 3/4" unless stabilizer(s) are used.

Ø	D				'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	
8	200	34	ATB	TB83400	.090	.062	5/8	
10	250	40	ATB	TB10400	.090	.062	5/8	
12	300	48	ATB	TB12480	.090	.062	1	
14	350	54	ATB	TB14540	.090	.062	1	
15	375	48	ATB	615480	.104	.079	1	







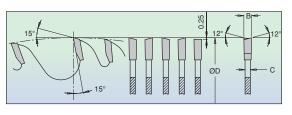
COMBINATION RIPPING & CROSSCUT

8" TO 16"

15° HOOK COMBINATION GRIND 4 ATB & 1 RAKER

Where one blade must do almost everything — ripping and crosscutting hardwood and softwood, cutting plywood — this blade is a good choice. It is in the traditional combination-blade configuration, with a flat-top tooth and 4 alternate top bevel teeth in groupings of five. The large gullets at the raker tooth allow deep cuts with improved chip ejection.

Ø	D				'B' Kerf	'C' Plate	
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore
8	200	40	4 & 1	684004	.126	.087	5/8
9	230	40	4 & 1	694004	.126	.087	5/8
10	250	50	4 & 1	610504	.135	.095	5/8
12	300	60	4 & 1	612604	.150	.110	1
14	350	70	4 & 1	614704	.150	.110	1
16	400	80	4 & 1	616804	.158	.118	1



























CUT-OFF & CROSSCUT

8" TO 20"

10° HOOK • ALTERNATE TOP BEVEL (ATB) GRIND

As our standard cut-off and crosscut blade, this is ideal for table saws and sliding table saws. Its combination of 10° hook and the alternate top bevel tooth grind provide good-quality cuts and a long cutting life. Suitable for hardwood, softwood, even plywood and chipboard. Good choice for heavy production in any cabinet-making shop.

_	пакіп	g sno	ρ.						
	Ø	íD 💮			'B' Kerf		'C' Plate		
	Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.
	8	200	48	ATB	.118	684800	.079	5/8	-
	9	230	60	ATB	.118	696000	.079	5/8	_
	10	250	60	ATB	.126	610600	.087	5/8	-
	10	250	60	ATB	.126	610600-30	.087	30mm	2/7/42 & 2/10/60
	12	300	60	ATB	.126	612600	.087	1	-
	12	300	60	ATB	.126	612600-30	.087	30mm	2/7/42 & 2/10/60
	12	300	72	ATB	.126	612720	.087	1	-
	12	300	72	ATB	.126	† 612720-30	.087	30mm	2/7/42 & 2/10/60
Ne	v 12	300	72	ATB	.126	612720-1.25	.087	1-1/4	-
	14	350	72	ATB	.137	614720	.098	1	_
	14	350	72	ATB	.137	614720-30	.098	30mm	2/7/42 & 2/10/60
	14	350	84	ATB	.137	614840	.098	1	
	16	400	96	ATB	.137	616960	.098	1	-
	18	450	108	ATB	.158	618108	.110	1	_
	18	450	108	ATB	.158	618108-30	.110	30mm	2/7/42 & 2/10/60
	20	500	120	ATB	.173	620120	.110	1	_
	20	500	120	ATB	.173	620120-30	.110	30mm	2/7/42 & 2/10/60
-	NOTE		V 14 1		- 00141	and Out to be to be the first			



Amana Too

†NOTE: For Altendorf, Omega, SCMI, and Striebig sliding table saws.

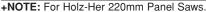
TRIM

7" TO 18"

10° HOOK • ALTERNATE TOP BEVEL (ATB) GRIND

Our trim blade, suitable for use on table saws, sliding table saws, radial arms, and miter saws of all types, leaves a super-smooth finish when cutting hard or softwood. It is especially suited to trimming and sizing veneers and laminates, in single sheets or in stacks. The alternate top bevel grind and high tooth counts produce excellent, chip-free cuts. The 10° hook angle provides effortless feeding.

	_ '				0	1		0	
	Ø Inch	D mm	Teeth	Grind	'B' Kerf Inch	Tool No.	'C' Plate Inch	Bore	*P.H.
	7	180	58	ATB	.118	675600	.079	5/8	-
	8	200	64	ATB	.118	686400	.079	5/8	_
	_	220	64	ATB	.118	+ 220T640	.079	30mm	2/7/42
	10	250	80	ATB	.126	610800	.087	5/8	
Ne	₩ 10	250	80	ATB	.126	610800-30	.087	30mm	2/7/42 & 2/10/60
	12	300	96	ATB	.126	612960	.087	1	_
	12	300	96	ATB	.126	612960-30	.087	30mm	2/7/42 & 2/10/60
	14	350	108	ATB	.137	614108	.098	1	_
	14	350	108	ATB	.137	614108-30	.098	30mm	2/7/42 & 2/10/60
	16	400	120	ATB	.137	616128	.098	1	_
	18	450	132	ATB	.157	618132	.110	1	-





















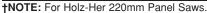


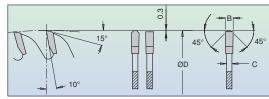
FINE CROSSCUT & CUT-OFF 8" TO 18"

10° HOOK • TRIPLE CHIP (TC) GRIND

This blade is ideal for cutting materials with fragile surface layers, like veneers and laminates. High tooth counts yield smooth finishes. The 10° hook angle provides effortless feeding. The triple-chip tooth opens a narrow kerf, and the raker widens it.











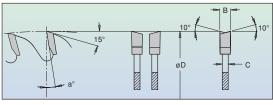
CUT-OFF & CROSSCUT HEAVY-DUTY

12" TO 16"

10° - 18° HOOK • ALTERNATE TOP BEVEL (ATB) GRIND

This is a heavy-duty production blade for general trimming and crosscutting of hardwood and softwood. It has an extra-thick plate and cuts a wide kerf. The hook angle is aggressive, varying from 10° to 18°, depending upon the tooth count and blade diameter. All blades feature the alternate top bevel grind for clean cuts. Appropriate for use on table saws and radial arm saws.

	Ø	D					'B' Kerf	'C' Plate	
	Inch	mm	Teeth	Grind	Tool No.	a ^o	Inch	Inch	Bore
	12	300	48	ATB	712480	10°	.173	.098	1
	12	300	60	ATB	712600	15°	.173	.098	1
	12	300	96	ATB	712960	10°	.173	.110	1
Jen	າ 14	350	54	ATB	714540	15°	.173	.110	1
	14	350	72	ATB	714720	15°	.173	.110	1
	14	350	84	ATB	714840	10°	.173	.110	1
	16	400	60	ATB	716600	18°	.173	.110	1
	16	400	80	ATB	716800	10°	.173	.110	1
	16	400	96	ATB	716960	10°	.173	.110	1







NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.













MDF/FIBER BOARD





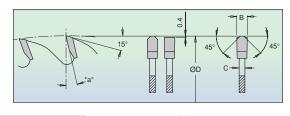




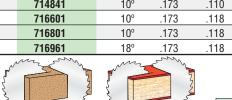
CUT-OFF & CROSSCUT HEAVY-DUTY 12" TO 16"

TRIPLE CHIP (TC) GRIND

Heavy-duty production blade featuring increased thickness of plate and kerf and more aggressive hook angle. For plastic laminated materials, composition board and plywood.



	Ø	ID D					'B' Kerf	'C' Plate	
	Inch	mm	Teeth	Grind	Tool No.	a⁰	Inch	Inch	Bore
	12	300	60	TCG	712601	15°	.173	.095	1
	12	300	96	TCG	712961	10°	.173	.098	1
New	14	350	54	TCG	714541	15°	.173	.110	1
	14	350	72	TCG	714721	15°	.173	.110	1
	14	350	84	TCG	714841	10°	.173	.110	1
	16	400	60	TCG	716601	10°	.173	.118	1
	16	400	80	TCG	716801	10°	.173	.118	1
	16	400	96	TCG	716961	18°	.173	.118	1



ØD

GENERAL PURPOSE CUT-OFF

8" TO 20"

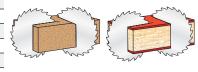
10° HOOK • TRIPLE CHIP (TC) GRIND

While this blade handles general trimming and crosscutting of hardwood and softwood, plywood and composition materials, it excels at cutting single or double-sided plasticlaminated material. It leaves a smooth, clean, chip-free finish on the top and bottom edges. The blades in this series feature a high tooth count, the triple-chip grind and a 10° hook angle for a successful compromise between feed effort and cut finish

	10 110	on all	gie ioi	a succe	essiui coi	mpromise betw	een ieeu e	nort and	cut III IISH.
	Ø	iD .			'B' Kerf		'C' Plate		
	Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.
	8	200	48	TCG	.118	684801	.079	5/8	-
Ne	₩ 9	230	40	TCG	.118	* 694001	.079	5/8	_
	9	230	60	TCG	.118	696001	.079	5/8	_
	10	250	40	TCG	.126	610401	.087	5/8	_
	10	250	40	TCG	.126	610401-30	.087	30mm	2/7/42 & 2/10/60
	10	250	60	TCG	.126	610601	.087	5/8	_
	10	250	60	TCG	.126	610601-30	.087	30mm	2/7/42 & 2/10/60
	12	300	60	TCG	.126	612601	.087	1	_
	12	300	60	TCG	.126	612601-30	.087	30mm	2/7/42 & 2/10/60
	12	300	72	TCG	.126	612721	.087	1	_
	12	300	72	TCG	.126	† 612721-30	.087	30mm	2/7/42 & 2/10/60
	12	300	72	TCG	.126	+ 612721-1.25	.087	1-1/4	_
	14	350	54	TCG	.137	614541	.106	1	_
	14	350	72	TCG	.137	614721	.098	1	_
	14	350	72	TCG	.137	614721-30	.098	30mm	2/7/42 & 2/10/60
	14	350	84	TCG	.137	614841	.098	1	_
	16	400	96	TCG	.137	616961	.098	1	-
	18	450	108	TCG	.158	618109	.110	1	_
	18	450	108	TCG	.158	618109-30	.110	30mm	2/7/42 & 2/10/60
	20	500	120	TCG	.173	620121	.110	1	_



*15° Hook Angle (Tool # 694001 Only)



†NOTE: For Altendorf, Omega, SCMI, and Striebig sliding table saws. +NOTE: For Martin sliding table saws. NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle



















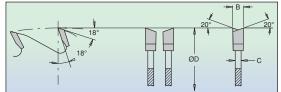


PRESTIGE™ 10" TO 12"

18° HOOK **ALTERNATE TOP BEVEL** (ATB) GRIND

PRESTIGE™ Rated

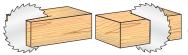
- "EXCELLENT" for
- √ Ripping solid wood
- √ Crosscutting solid wood
- √ Ripping plywood
- √ Crosscutting plywood



Amana Tool's® PRESTIGE™ general-purpose blade cuts smoother and stays sharper longer—in both solid wood and man-made materials. It features a massive tool-steel plate (.102" thick!) with expansion slots and copper plugs that practically eliminate vibration. The 40 teeth are ground with a steep 20° bevel angle, alternating left and right, for crisp, clean cuts both across grain and with the grain. The 18° hook angle yields an effortless feed. The precision-ground D-10 carbide teeth are individually computer-verified to have minimal runout.

Q)D				'B' Kerf	'C' Plate	
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore
10	250	40	ATB	PR1040	.134	.102	5/8
12	300	40	ATB	PR1240	.134	.102	1







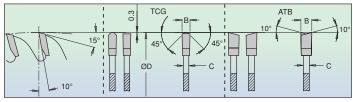


- · Massive (.102" thick!) tool-steel plate with copper plugs practically eliminates vibration.
- Precision-ground D-10 carbide teeth (20° ATB, 18° hook) are individually computer-verified for runout of less than 1/10,000" on all axis.

THIN KERF TRIM

8" TO 14"

10° HOOK ATB OR TC GRIND



Thin-kerf blades require less power because they have thinner plates and narrower tips. This trim blade is ideal for jobsite table saws and the various miter saws for that reason. Available in either alternate top bevel grind for cutting hardwood, softwood and plywood, or triple-chip grind for chipboard and laminate-covered material. The TC grind is also suitable for cutting thin Plexiglas®, masonite, and plastics. Use of stabilizers is recommended when cutting stock over 3/4" thick.

ALTERNATE TOP BEVEL (ATB) GRIND

	Ø	iD D					'B' Kerf	'C' Plate	
I	nch	mm	Teeth	Grind	Tool N	lo.	Inch	Inch	Bore
	8	200	64	ATB	TB864	00	.090	.062	5/8
	10	250	80	ATB	TB108	00	.090	.062	5/8
	10	250	100	ATB	TB101	00	.090	.062	5/8
	12	300	96	ATB	TB129	60	.090	.062	1
	14	350	108	ATB	TB141	08	.090	.062	1

TRIPLE CHIP (TC) GRIND

Q	ID D				'B' Kerf	'C' Plate	
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore
8	200	64	TCG	TB86401	.090	.062	5/8
10	250	80	TCG	TB10801	.090	.062	5/8
10	250	100	TCG	TB10101	.090	.062	5/8
12	300	96	TCG	TB12961	.090	.062	1
14	350	108	TCG	TB14109	.090	.062	1































THIN KERF MITER

10" TO 15"

10° HOOK • ATB

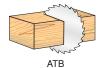
Thin kerf blades are designed for miter smooth cuts; less drag on bearings and brake and reduces stock loss on expensive woods and veneer plywoods. Not recommended to cut stock over 3/4" without the use of a stabilizer. TCG grind can also be used for cutting thin Plexiglas®, masonite and plastics.

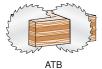
10° B 10° 10° C

ALTERNATE TOP BEVEL (ATB) GRIND

Q)D				'B' Kerf	'C' Plate	
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore
10	250	80	ATB	610800-TS	.090	.062	5/8
12	300	96	ATB	612960-TS	.090	.062	1
14	350	108	ATB	614108-TS	.090	.062	1
15	375	100	ATB	615100-TS	.104	.079	1







THIN KERF MITER

10"

10° HOOK • TC GRIND

Thin kerf blades are designed for miter smooth cuts; less drag on bearings and brake and reduces stock loss on expensive woods and veneer plywoods. Not recommended to cut stock over 3/4" without the use of a stabilizer. TCG grind can also be used for cutting thin Plexiglas®, masonite and plastics.

15° 45° 45° 10° C

TRIPLE CHIP (TC) GRIND

Ø	íD 💮				'B' Kerf	'C' Plate	
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore
10	250	80	TCG	610801-TS	.090	.062	5/8

























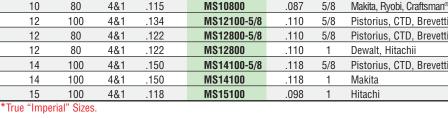
MITER/DOUBLE MITER

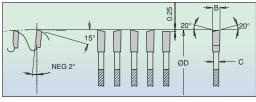
8-1/2" TO 15"

2° NEGATIVE HOOK 4 ATB & 1 RAKER

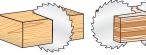
Designed especially for use on the various styles of miter saws, as well as radial arm saws, this blade cuts crisp, chip-free miters in hardwood and softwood, in moldings and picture-frame stock. All these blades feature the alternate top bevel plus raker grind (4 ATB plus 1 raker), 2° negative hook angle, and a high tooth count to produce exactly what you want for tight miters—extremely smooth cuts.

*ØD			'B' Kerf		'C' Plate		
Inch	Teeth	Grind	Inch	Tool No.	inch	Bore	Machine Type
8-1/2	48	4&1	.110	MS85480	.071	5/8	Hitachi
10	60	4&1	.115	MS10600	.087	5/8	All Types
10	80	4&1	.115	MS10800	.087	5/8	Makita, Ryobi, Craftsman®
12	100	4&1	.134	MS12100-5/8	.110	5/8	Pistorius, CTD, Brevetti
12	80	4&1	.122	MS12800-5/8	.110	5/8	Pistorius, CTD, Brevetti
12	80	4&1	.122	MS12800	.110	1	Dewalt, Hitachii
14	100	4&1	.150	MS14100-5/8	.118	5/8	Pistorius, CTD, Brevetti
14	100	4&1	.150	MS14100	.118	1	Makita
15	100	4&1	.118	MS15100	.098	1	Hitachi









ATB **ATB**

MITER/DOUBLE MITER

10" TO 12"

5° NEGATIVE HOOK CALIFORNIA TRIPLE CHIP (C-TC) GRIND

The California triple chip grind is the choice in the door and window manufacturing industry, and in framing shops everywhere. Its cuts are crisp and clean in wood, and burr-free in aluminum and other non-ferrous metals. This blade has a very high tooth count, a 5° negative hook, and a stout plate for smooth cuts and long tool life. It works in miter saws, compound miter saws, and sliding compound saws.

*ØD			'B' Kerf		'C' Plate		
Inch	Teeth	Grind	Inch	Tool No.	Inch	Bore	Machine Type
10	96	C-TCG	.125	CTC10963	.100	5/8	Pistorius, CTD, Brevetti
12	90	C-TCG	.135	CTC12903-5/8	.110	5/8	Pistorius, CTD, Brevetti
12	108	C-TCG	.135	CTC12108-5/8	.110	5/8	Pistorius, CTD, Brevetti
12	108	C-TCG	.135	CTC12108	.110	1	Pistorius, CTD, Brevetti

^{*}True "Imperial" Sizes.

WARNING: NEVER attempt to cut ferrous metals (steel, iron, etc.) with these saw blades. When cutting non-ferrous metals, a coolant or blade wax should be used and proper clamping devices employed.

























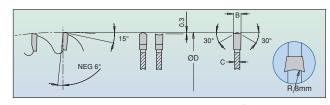




HOLLOW GROUND

220mm TO 14"

6° NEGATIVE • HOOK HOLLOW GRIND (HG)



This specially designed saw blade makes exceptionally smooth cuts in melamine and other coated boards, without the need for scoring. The unique hollow grind, which pairs a triple-chip tooth with a raker tooth that's ground to a concave profile, produces crisp, clean cuts. The grind is commonly used in **vertical panel saws**, such as those made by Striebig and Holz-Her. The negative hook angle is particularly suitable for vertical panel saws.

Ø	D			'B' Kerf	'C' Plate				
Inch	mm	Teeth	Grind	Inch	Inch	Tool No.	Bore	*P.H.	Machines
_	220	42	HG	.126	.087	† HG220T420	30mm	2/7/42	Holz-Her
10	253	48	HG	.126	.087	HG10480	5/8	-	
10	253	48	HG	.126	.087	HG10480-30	30mm	2/7/42 & 2/10/60	Holz-Her
12	303	60	HG	.126	.087	HG12600	1	-	
12	305	60	HG	.126	.087	HG12600-5/8	5/8	-	Pistorius
12	303	60	HG	.126	.087	HG12600-30	30mm	2/7/42 & 2/10/60	Holz-Her
14	350	72	HG	.126	.087	HG14720-30	30mm	2/7/42 & 2/10/60	

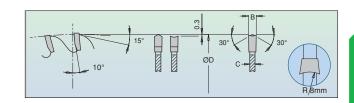


†NOTE: For Holz-Her 220mm panel saws.

HOLLOW GROUND

220mm T0 12"

10° POSITIVE • HOOK HOLLOW GRIND (HG)



This specially designed saw blade makes exceptionally smooth cuts in melamine and other coated boards, without the need for scoring. The unique hollow grind, which pairs a triple-chip tooth with a raker tooth that's ground to a concave profile, produces crisp, clean cuts. The positive hook angle is particularly suitable for use on **horizontal sliding table saws** such as those made by Striebig, Altendorf, SCM and Holz-Her.

Ø	ØD			'B' Kerf		'C' Plate		
Inch	mm	Teeth	Grind	Inch	Tool No.	Inch	Bore	*P.H.
_	220	42	HG	.126	† HG220T403	.087	30mm	2/7/42
10	253	48	HG	.126	HG10483-30	.087	30mm	2/7/42 & 2/10/60
12	303	60	HG	.126	HG12603-30	.087	30mm	2/7/42 & 2/10/60

†NOTE: For Holz-Her 220mm panel saws.



















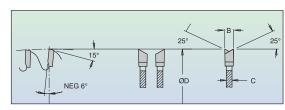




DOUBLE-FACE MELAMINE & LAMINATE

8" TO 16"

6° NEGATIVE HOOK 25° 'HIGH-ATB' GRIND



Designed specifically to cut melamine, this blade does just that without chipping on the top or bottom edges. (Your table saw must be properly tuned, of course.) The special "high-ATB" grind (with 25° bevels) slices cleanly through fragile surface coatings like melamine and laminate. Coupled with a thick, heavy-duty plate for added stability, this blade produces extremely smooth cuts. It is easily resharpened.

ØD					'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
8	200	64	H-ATB	MB86400	.110	.087	5/8	-
_	220	42	H-ATB	†MB220T420	.110	.087	30mm	2/7/42
10	250	80	H-ATB	MB10800	.126	.102	5/8	-
10	250	80	H-ATB	MB10800-30	.126	.102	30mm	2/7/42 & 2/10/60
12	300	96	H-ATB	MB12960	.126	.102	1	-
12	300	96	H-ATB	MB12960-30	.126	.102	30mm	2/7/42 & 2/10/60
14	350	108	H-ATB	MB14108	.126	.102	1	_
14	350	108	H-ATB	MB14108-30	.126	.102	30mm	2/7/42 & 2/10/60
16	400	120	H-ATB	MB16120	.150	.126	1	_

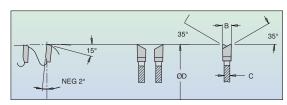
NOTE: The 8" blade can be used on vertical type panel saws, such as 'Safety Speed Cut', etc. †For 220mm Holz-Her Panel Saws.



DOUBLE-FACE MELAMINE, KORTON & VENEERS

10" TO 12"

2° NEGATIVE HOOK 35° 'HIGH-ATB' GRIND



This blade is similar to the one above, alterations to the geometry and plate thickness provide improved results in certain melamine boards. The bevel angle of the ATB grind is far more acute (35°), and the plate is thinner than our standard melamine blades.

Ø	D				'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
10	250	80	H-ATB	MSB1080	.118	.087	5/8	-
10	250	80	H-ATB	MSB1080-30	.118	.087	30mm	2/7/42 & 2/10/60
12	300	96	H-ATB	MSB1296	.118	.087	1	_
12	300	96	H-ATB	MSB1296-30	.118	.087	30mm	2/7/42 & 2/10/60



NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.













PLASTIC LAMINATE SINGLE & DOUBLE SIDED

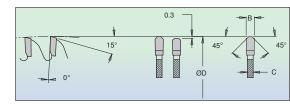






SOLID SURFACE 10" TO 16"

0° HOOK Modified Triple Chip (MTC) Grind



This blade is designed for cutting plastic laminate, Plexiglas®, and solid surface materials such as Dupont Corian®, Wilsonart®, Gibraltar® & Fountainhead®. The triple chip grind is especially configured to leave a swirl-free cut in solid surface materials. Thick, stable plate reduces vibration that degrades the cut and shortens tool life. The blade is suitable for a variety of saw configurations. Its 0° hook angle virtually eliminates self-feeding when it is used with a radial arm saw.

ØD				'B' Kerf	'C' Plate		
Inch mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
10 250	72	MTC	610721	.126	.095	5/8	_
10 250	72	MTC	610721-30	.126	.095	30mm	2/7/42 & 2/10/60
12 300	84	MTC	612841	.126	.095	1	_
12 300	84	MTC	612841-30	.126	.095	30mm	2/7/42 & 2/10/60
14 350	96	MTC	614961	.126	.102	1	-
16 400	108	MTC	616109	.126	.102	1	-





NON-MELT 8" TO 16"

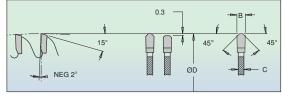
2° NEGATIVE HOOK Modified Triple Chip (MTC) Grind

When cutting acrylics such as Plexiglas®, polycarbonates such as Lexan® and other plastics, "chip-welding"—a melting of the material—is a concern. But not with the Non-Melt blade. With a modified triple-chip grind and a 2° negative hook angle, the

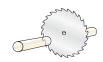
blade produces less heat than a standard blade, leaving a crisp, smooth edge.

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

†NOTE: For Holz-Her 220mm panel saws.







NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.





















NON-FERROUS METAL

8" TO 18"

6° NEGATIVE HOOK TRIPLE CHIP (TC) GRIND

Thanks to its special carbide formulation and blade geometry, this is the ideal blade for cutting relatively **thick-walled** aluminum and non-ferrous metal bars such as copper, brass, bronze and lead. It also is good for cutting extrusions and profiles. The negative hook angle (-6°), triple-chip grind and thick plate combine to produce a superior finish. Use a coolant or blade wax and clamp down the workpiece when cutting non-ferrous metals. The blade can also be used to cut other "difficult" materials such as plastic, PVC tubing and fiberglass.

WARNING: NEVER attempt to cut ferrous metals (steel, iron, etc.) with these saw blades.

	ØD		'B' Kerf 'C' Plate											
Inc	h mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.						
8	3 200	48	TCG	584801	.110	.087	5/8	-						
10	250	60	TCG	510601	.126	.102	5/8	-						
10	250	60	TCG	510601-30	.126	.102	30mm	2/7/42 & 2/10/60						
12	2 300	72	TCG	512721	.126	.102	1	_						
12	2 300	72	TCG	512721-30	.126	.102	30mm	2/7/42 & 2/10/60						
14	4 350	84	TCG	514841	.126	.102	1	_						
10	3 400	96	TCG	516961	.150	.126	1	_						
18	3 450	108	TCG	518108	.157	.134	1	-						



Amana Too

NEG 6

NEG 6°

NON-FERROUS METAL

7" TO 20"

6° NEGATIVE HOOK TRIPLE CHIP (TC) GRIND

A product of the same design & engineering as the previous blade, this one is specifically for cutting relatively **thin-walled** aluminum and non-ferrous extrusions and frames. Use a coolant or blade wax and clamp down the workpiece when cutting non-ferrous metals.

WARNING: NEVER attempt to cut ferrous metals (steel, iron, etc.) with these saw blades.

				•		,	,	,			
	Ø	D				'B' Kerf	'C' Plat	е			
	Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H. I	Machines	1
	7	180	58	TCG	575601	.110	.087	5/8	-		3
	8	200	64	TCG	586401	.110	.087	5/8	-		3
	9	230	60	TCG	596001	.110	.087	5/8	_		1
	10	250	80	TCG	510801	.126	.102	5/8	_		
	10	250	100	TCG	510101	.126	.102	5/8	_		
	10	250	100	TCG	510101-HD	.134	.110	5/8	– F	Pistorious	
	10	250	80	TCG	510801-30	.126	.102	30mm	2/7/42 & 2/10/60		
	12	300	96	TCG	512961-30	.126	.102	30mm	2/7/42 & 2/10/60		
	12	300	96	TCG	512961	.126	.102	1	_		
	14	350	100	TCG	514101-5/8HD	.146	.118	5/8	– F	Pistorious	
	14	350	100	TCG	† 514101-25	.122	.098	25mm	_	Makita	
ĺ	14	350	108	TCG	514108	.126	.102	1	_		á
	14	350	108	TCG	514108-30	.126	.102	30mm	2/7/42 & 2/10/60		٦
	15	375	100	TCG	* 515101	.120	.098	1	_	Hitachi	
	16	400	120	TCG	516121	.150	.126	1	_		
	18	450	120	TCG	518121	.150	.126	1	_		
	20	500	120	TCG	520121	.174	.134	1	_		
	20	500	120	TCG	520121-30	.174	.152	30mm	2/7/42 & 2/10/60		

^{*}For Hitachi Miter box (Thin Kerf).

†For Makita Miter box. NOTE: P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.























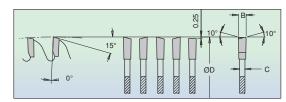
RADIAL ARM 10" TO 16"

0° HOOK

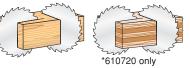
- 4 ATB & 1 RAKER
- ATB

Designed especially for radial arm saws, sliding compound miter saws and others with the blade above the workpiece. This blade minimizes the blade's tendency to self-feed. The blade features a low tooth count and an ATB plus raker grind (typically used on combination blades). Excellent choice for cutting hardwood and softwood. For plywood, use tool #610720, which has a high tooth count and an ATB grind.

Ø	iD				'B' Kerf	'C' Plat	е	
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
10	250	24	ATB	RA1024	.134	.095	5/8	-
10	250	72	ATB	*610720	.126	.095	5/8	-
12	300	36	ATB	RA1236	.150	.110	1	-
12	300	36	ATB	RA1236-30	.150	.110	30mm	2/7/42 & 2/10/60
14	350	40	4&1	RA1440	.165	.110	1	-
14	350	42	ATB	RA1442	.165	.110	1	_
16	400	40	4&1	RA1640	.165	.118	1	_
16	400	48	ATB	RA1648	.165	.118	1	-



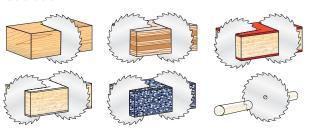


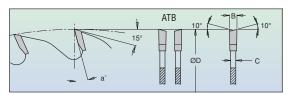


HOLZ-HER PANEL SAW

220mm

Designed specifically for the Holz-Her 220mm panel saws. Blades are available for general purpose cutting, crosscutting and sawing laminates, melamine, acrylic and other plastics and solid surface materials. Blades with tips made of the high-performance DITEC™ carbide, an Amana Tool® exclusive, are also included in this line. See table below.





See table below for grind & hook angle.



	Ø	D				'B' Kerf	'C' Plate				
	Inch	mm	Teeth	Grind	a°	Inch	Inch	Tool No.	Bore	*P.H.	Application
	-	220	34	ATB	10°	.118	.079	220T340	30mm	2/7/42	General purpose
	-	220	64	ATB	10°	.118	.079	220T640	30mm	2/7/42	Crosscut wood
	-	220	64	TCG	10°	.118	.079	220T641	30mm	2/7/42	Laminate/MDF
	-	220	64	TCG	-2°	.126	.079	LB220T641	30mm	2/7/42	Plastic No Melt
	-	220	42	HG	-6°	.126	.087	HG220T420	30mm	2/7/42	Melamine
	-	220	42	H-ATB	-6°	.110	.087	MB220T420	30mm	2/7/42	Melamine
Nei	v -	220	48	TCG	10°	.118	.078	220T481	30mm	2/7/42	Laminate/MDF
	-	220	64	H-ATB	0°	.126	.079	†DT220T640	30mm	2/7/42	DITEC™ Melamine
	-	220	64	TCG	10°	.126	.079	†DT220T641	30mm	2/7/42	DITEC™ Laminate/MDF
	-	220	64	TCG	0°	.126	.079	†DT220T643	30mm	2/7/42	DITEC™ Solid surface

†Denotes high-performance DITEC™ carbide.













PANEL SIZING/SCORING







DITEC™ SAW BLADES

- ✓ Exclusive DITEC™ carbide tips
- Higher reliability and lower maintenance
- ✓ At least twice the output of conventional C-4 grade carbide
- ✓ Low noise level

- ✓ New laser cut saw bodies
- Excellent cutting quality
- Economically priced

Resistance to abrasion is the single most important characteristic of the tungsten carbide used for saw teeth. The newly developed DITECTM carbide has greater hardness, with no loss of toughness, than any previous formulation.

Using this carbide, Amana Tool® has produced a line of saw blades and other cutters that last two or three times longer than standard carbide formulations. In extensive testing, productivity increases ranging as high as 500% were recorded. The random tests were performed by outside firms running panel saws 2 or 3 shifts per day.

Exceptionally sharp edges are ground and honed on the carbide tips with 400 and 600 grit diamond wheels. The surface quality of the saw teeth is second to none.

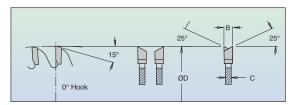
The saw bodies are precision-cut using innovative laser technology. Each blade features expansion slots for great stability and low noise levels. Every saw blade is analyzed by an innovative and sophisticated computerized system to ensure faultless quality control. Runout tolerances are maintained at .002" or less.

Instructions for grinding:

- For maintenance grinding, use fine grit (D400-D600) diamond wheels. To match the factory grind, use a slower than normal feed rate.
- Damaged teeth can be replaced by any grade of carbide tooth. Replacing of a large number of teeth will, of course, shorten the life of the saw blade.
- Since the carbide in the DITEC™ is harder than other carbides, it is critical that you protect them from "thermal shock" if an adjacent tooth is replaced. Heat absorbed during the brazing process will seriously degrade the DITEC™ carbide.

MELAMINE DITEC™ 220MM TO 12"

O° HOOK 'HIGH-ATB' GRIND



If you cut melamine on a regular basis, this is the blade you should use. It has the same features as our regular melamine blades—the MB series and MSB series (see page 194) — such as a thicker than standard plate, high tooth count, and the H-ATB grind. But this blade has long-lasting DITEC™ carbide tips.

	Ø	D		'B' Kerf 'C' Plate								
	Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.			
	_	220	64	H-ATB	† DT220T640	.126	.079	30mm	2/7/42			
	10	250	72	H-ATB	DT10720	.126	.102	5/8	_			
New	10	250	72	H-ATB	DT10720-30	.126	.102	30mm	2/7/42 & 2/10/60			
	12	300	84	H-ATB	DT12840	.126	.102	1	_			
	12	300	84	H-ATB	DT12840-30	.126	.102	30mm	2/7/42 & 2/10/60			

+For Holz-Her 220mm panel saws.



NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: $\underline{2/10/60} = \underline{2}$ @ $\underline{10}$ mm dia. on $\underline{60}$ mm circle

















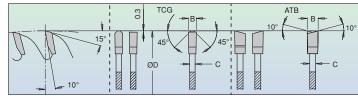




SLIDING TABLE DITEC™

12" TO 14"

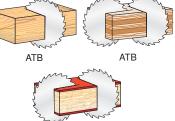
10° HOOK • ATB OR TC GRIND



This high-performance crosscutting blade is designed primarily for use in sliding table saws, such as **Striebig**, Altendorf, SCMI & Delta models. It is suitable for use in regular table saws & radial arm saws. The blades incorporate an exceptional array of features: high tooth count, a choice of alternate top bevel or triple chip grind, expansion slots and turbulence-dampening copper plugs. Not least are the long-lasting, super-sharp DITEC™ carbide tips. Choose the ATB grind for solid wood or plywood, the TC grind for MDF, OSB, HDF & single or double-sided melamine & plastic laminated panels.

	ØD				'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
12	300	72	ATB	DT12720	.126	.087	1	-
12	300	72	ATB	*DT12720-30	.126	.087	30mm	2/7/42 & 2/10/60
_ 12	300	72	TCG	DT12721	.126	.087	1	_
12	300	72	TCG	*DT12721-30	.126	.087	30mm	2/7/42 & 2/10/60
12	300	96	ATB	DT12960	.126	.087	1	_
12	300	96	ATB	*DT12960-30	.126	.087	30mm	2/7/42 & 2/10/60
12	300	96	TCG	DT12961	.126	.087	1	-
12	300	96	TCG	*DT12961-30	.126	.087	30mm	2/7/42 & 2/10/60
14	350	84	ATB	DT14840	.137	.098	1	-
14	350	84	ATB	DT14840-30	.137	.098	30mm	2/7/42 & 2/10/60
14	350	84	TCG	DT14841	.137	.098	1	-
14	350	84	TCG	DT14841-30	.137	.098	30mm	2/7/42 & 2/10/60
14	350	108	ATB	DT14108	.137	.098	1	-
14	350	108	ATB	DT14108-1.25	.137	.098	1-1/4	_
14	350	108	ATB	DT14108-30	.137	.098	30mm	2/7/42 & 2/10/60
14	350	108	TCG	DT14109	.137	.098	1	_
14	350	108	TCG	DT14109-30	.137	.098	30mm	2/7/42 & 2/10/60





TCG

CUT-OFF & TRIM DITEC™ 10"

10° HOOK • ATB OR TC GRIND

This series of 10-inch cut-off and trim blades has the same features as our regular cut-off and trim blades, including high tooth count, 10° hook angle and a choice of alternate top bevel or triple chip grind, expansion slots and turbulence-dampening copper plugs. The DITECTM carbide tips add exceptional sharpness and long tool life to these features. These blades are suitable for table saws, radial arm saws and all miter saws.

	Ø Inch	D mm	Teeth	Grind	Tool No.	'B' Kerf Inch	'C' Plate Inch	Bore	*P.H.
Ī	10	250	60	ATB	DT10600	.126	.087	5/8	-
	10	250	60	ATB	DT10600-30	.126	.087	30mm	2/7/42 & 2/10/60
	10	250	60	TCG	DT10601	.126	.087	5/8	-
	10	250	80	ATB	DT10800	.126	.087	5/8	_
	10	250	80	TCG	DT10801	.126	.087	5/8	-
	10	250	80	TCG	DT10801-30	.126	.087	30mm	2/7/42 & 2/10/60

TCG B 10° ATB B





















^{*}Fits Striebig vertical panel saw.

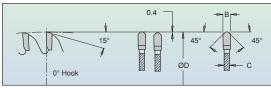


SOLID SURFACE DITEC™

8" TO 12"

O° HOOK SPECIAL TC-22 MODIFIED GRIND





This blade is designed for cutting plastic laminate, Plexiglas®, and solid surface materials such as Dupont Corian®, Wilsonart®, Gibraltar® & Fountainhead®. The DITEC™ carbide tips are ground in a triple chip geometry unique to this blade, and leave a swirl-free cut in solid surface materials. The thick, stable plate reduces vibration that degrades the cut and shortens tool life. The blade is suitable for a variety of saw configurations. Its 0° hook angle virtually eliminates self-feeding when it is used with a radial arm saw.

Ø	D				'B' Kerf	'C' Plate		
Inch	mm	Teeth	Grind	Tool No.	Inch	Inch	Bore	*P.H.
8	200	64	S-TCG	DT86401	.126	.102	5/8	-
_	220	64	S-TCG	†DT220T643	.126	.102	30mm	2/7/42
10	250	72	S-TCG	DT10721	.126	.102	5/8	-
12	300	84	S-TCG	DT12841	.126	.102	1	_
12	300	84	S-TCG	DT12841-30	.126	.102	30mm	2/7/42, 2/10/60

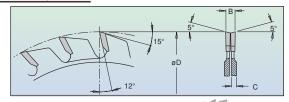
+For Holz-Her 220mm panel saws.

ADJUSTABLE TYPE SCORING SETS DITEC™

100mm-120mm

12° HOOK **ALTERNATE TOP BEVEL (ATB) GRIND**

Used on panel saws or sliding table saws with separate scoring units for chip-free cuts on both sides of the material. Adjustable scoring sets consist of two 12-tooth saw blades with shims to adjust the kerf width (2.8mm to 3.6mm). Used in combination with our industrial saw blades with standard kerf (example #612721, #DT12721, etc.).







ØD	Teeth	Grind	'B' Kerf Range	Tool No.	'C' Plate	Bore	Machine Application
100mm	12 x 2	ATB	2.8 - 3.6mm	DT100T14	2.0mm(x2)	22mm	Altendorf, Delta, Martin
120mm	12 x 2	ATB	2.8 - 3.6mm	DT120T14	2.0mm(x2)	22mm	Altendorf, Martin, Mrozek
120mm	12 x 2	ATB	2.8 - 3.6mm	DT120T14-20	2.0mm(x2)	20mm	Altendorf, Martin, Mrozek

NOTE: Adjustable scoring sets with 22mm bore can converted to either 3/4" bore by ordering two each #BU-130 bushings, or to 20mm bore by ordering two each #BU-140 bushings.

Replacement 5-piece shim set (0.6mm, .10mm, .20mm (2) and 2.8mm) order No. 'Shim Set'. Will fit 20mm or 22mm scoring sets.

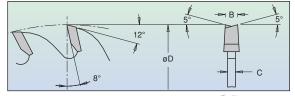
CONICAL TYPE SCORING SETS DITEC™

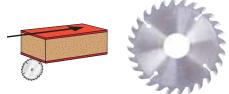
120mm

8° HOOK

CONICAL ALTERNATE TOP BEVEL (ATB) GRIND

Used on panel saws with separate scoring units for chip-free cuts on both sides of the material. With conical type scoring blades, the kerf width changes with depth of penetration. Used in combination with our industrial saw blades '7' series only (#714721, etc.). Also used in combination with the DITEC™ series Panel saw main blades. Kerf range should match the main blade.





ØD	Teeth	Grind	'B' Kerf Range	Tool No.	'C' Plate	Bore	Machine Application
120mm	24	CONICAL	3.2 - 4.2mm	DT120T20	2.2mm	20mm	SCMI, Altendorf
120mm	24	CONICAL	4.4 - 5.4mm	DT120T24	2.8mm	20mm	Altendorf, Martin, SCMI

NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10 mm dia. on 60 mm circle























SIMPLY TURN THE DIAL TO ADJUST THE WIDTH OF THE SCORE. Adjustments can easily be made while the scoring set is mounted

on the machine!

ADJUSTING THE SCORING SET IS QUICK AND EASY.

Eliminates the need for shims, endless measuring, reassembling, testing and adjusting to obtain the required width.

- Fully adjustable in increments of 0.1mm.
- Kerf adjusts from 2.8mm 3.6mm.
- · Available in 100, 120 and 125mm diameters with 22, 20, 15mm and 3/4" bores.
- · Replacement blades available.
- · Fits most machines, including Altendorf, SCM.



					Repl. Set
ØD	Kerf	Tool No.	Teeth	Bore	Screws
100mm	2.8-3.6mm	EZ100-24-20	12x2	20mm	67020
100mm	2.8-3.6mm	* EZ100-24-22	12x2	22mm & 3/4"	67020
120mm	2.8-3.6mm	EZ120-24-20	12x2	20mm	67020
+ 120mm	2.8-3.6mm	**EZ120-24-22	12x2	22mm, 3/4" & 15mm	67021
125mm	2.8-3.6mm	EZ125-24-20	12x2	20mm	67020
125mm	2.8-3.6mm	* EZ125-24-22	12x2	22mm & 3/4"	67020

- * Includes bushing part #BEZ-01 from 22mm-3/4".
- **Fits additional machines: Casolin Astra Top, Casadei Shark & Lazzari.
- + Chamfered dial for SCM machine. BEZ-015 from 22 to 15mm.

Replacement Saw Blades		
100mm	REZ100	12x2
120mm	REZ120	12x2
125mm	REZ125	12x2

Replacement conical screw #67022 for scoring set (4 required).

111111111111111111111111111111111111111	Re-Sharpening Adapter		
1/2		EZA-08	For 100mm
Co.		EZA-10	For 120 and 125mm
The state of the s	Replacement Spring		
		EZA-12	For 100mm
		EZA-14	For 120 and 125mm
		281	A CARLON TO THE PARTY OF THE PA



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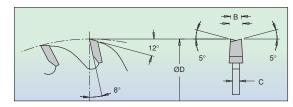


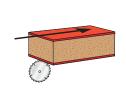
CONICAL TYPE SCORING

120mm TO 200mm

8° HOOK **CONICAL ATB GRIND**

This conical-type scoring blade is similar to the DITEC™ scoring blade, but features our standard carbide tips. Match the kerf width of your main blade by adjusting the scoring blade's cutting depth. Range typically is 1mm (for example, from 4.4mm to 5.4mm). Select a scoring blade with a range matching your main blade's kerf width. Use in combination only with our '7' series industrial saw blades (#714721, 716961, etc.). Use also in combination with the new DITEC™ panel saw blades.







			'B' Kerf	Range		'C' F	Plate		
ØD	Teeth	Grind	mm	Inches	Tool No.	mm	Inches	Bore	†Machine Application
100mm	20	ATB	3.2-4.2mm	.125165	SS100T20	2.2mm	.086	20mm	Various
120mm	24	ATB	3.2-4.2mm	.125165	SS120T20	2.2mm	.086	20mm	Various
125mm	24	ATB	4.4-5.4mm	.173212	SS125T24	2.8mm	.110	20mm	Martin, Mayer-Lombach, Giben
150mm	24	ATB	4.0-5.0mm	.157196	SS150T24	2.8mm	.110	20mm	Various
150mm	36	ATB	4.4-5.4mm	.173212	SS150T36	2.8mm	.110	20mm	Shelling, Holzma
160mm	36	ATB	4.4-5.4mm	.173212	SS160T36	2.8mm	.110	20mm	Gabbiani
200mm	36	ATB	4.4-5.4mm	.173212	SS200T36	2.8mm	.110	20mm	Shelling, Holzma

NOTE: Standard bore is 20mm. Other kerf sizes available, please inquire.





















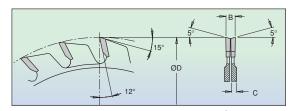


ADJUSTABLE TYPE SCORING SETS

100mm TO 125mm

12° HOOK ATB GRIND

Used on panel saws and sliding table saws with separate scoring units for chip-free cuts on both sides of the material. Adjustable scoring sets consist of two 12-tooth saw blades with shims to adjust the kerf width (2.8mm to 3.6mm). Used in combination with our industrial saw blades '6' series only. (Example: 614721, 616961, etc.).







ØD			'B' Ker	f Range		'C P	late		
mm	Teeth	Grind	mm	Inches	Tool No.	mm	Inches	Bore	†Machine Application
100mm	12x2	ATB	2.8-3.6mm	.110142	SS100T12	2.0mm(x2)	.078(x2)	20mm	Shelling
100mm	12x2	ATB	2.8-3.6mm	.110142	SS100T14	2.0mm(x2)	.078(x2)	*22mm	Altendorf, Delta, Martin, Mrozek, Panhans
120mm	12x2	ATB	2.8-3.6mm	.110142	SS120T12	2.0mm(x2)	.078(x2)	20mm	SCMI
120mm	12x2	ATB	2.8-3.6mm	.110142	SS120T14	2.0mm(x2)	.078(x2)	*22mm	Altendorf, Martin, Mrozek
125mm	12x2	ATB	2.8-3.6mm	.110142	SS125T14	2.0mm(x2)	.078(x2)	20mm	Griggio

*NOTE: Adjustable scoring sets with 22mm bore can be converted to either 3/4" bore by ordering two each #BU-130 bushings, or to 20mm bore by ordering two each #BU-140 bushings.

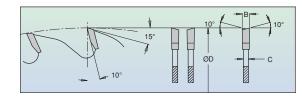
Replacement 5-piece shim set (0.6MM, .10MM, .20MM (2) and 2.8mm) order No. 'Shim Set'. Will fit 20mm or 22mm scoring sets.

†NOTE: Due to many different scoring machine sizes (particularly arbor sizes), it is advisable to measure both the scoring and main blades that are presently on your machine (diameter, bore, kerf, etc.).

EDGEBANDER TRIM SAW

150mm & 180mm

10° HOOK ALTERNATE TOP BEVEL (ATB) GRIND



Replacement trim saw blades for edgebanding machines feature alternate top bevel grind on the teeth, 10° hook angle, and standard thickness plates. Most machines require two blades.

ØD	Tank	Outural	To al No	'B' Kerf	'C' Plate	Davis.
mm	Teeth	Grind	Tool No.	Inch	Inch	Bore
150mm	30	ATB	* 663000	.126	.087	30mm
180mm	58	ATB	∞ 663010	.126	.087	20mm

For IDM-137 and Ocmac Chica 290 edgebanders, and others.

†For Olimpic Nova-2 edgebanders, and others.









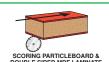










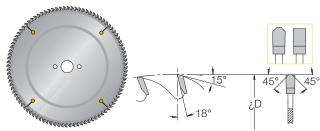






DYNAMIC PANEL SAWING

- TCG (TRIPLE CHIP GRIND)
- EXTENDED LIFE



	Madan				ı	
MAIN	SAV	V FOR	PANEL SIZING	LAMINA	ATEL	D BOARDS
Machine	ØD	Teeth		Kerf/Plate	Bore	
Style	mm	Count	Tool No.	mm	mm	*Pin-holes
Anthon LNA	400	72	DT400T721-60	4.4/3.2	60	2/11/85
Gabbiani	355	72	DT355T721-80	4.4/3.0	80	4/9/100, 2/7/110
	380	60	DT380T601-60	4.4/3.2	60	4/9/100
	400	60	DT400T601-80	4.4/3.2	80	4/9/100, 2/7/110
	400	72	DT400T721-80	4.4/3.2	80	4/9/100, 2/7/110
	500	72	DT500T721-80A	4.8/3.5	80	2/8/110 & 2/10/130
Giben	450	72	DT450T721-75	4.4/3.2	75	
Giben	500	72	DT500T721-75B	5.0/3.5	75	
Giben	550	72	DT550T721-100B	5.0/3.5	100	
Giben Junior	305	60	DT305T601-75	4.4/3.2	75	
Giben Trend	355	54	DT355T541-75	4.4/3.2	75	
Giben Trend	355	72	DT355T721-75	4.4/3.2	75	
Giben Trend	400	60	DT400T601-75	4.4/3.2	75	4/15/105
Holz-her	220	64	DT220T641	3.0/2.2	30	2/7/42
Holzma	355	72	DT355T721-60	4.4/3.2	60	
	380	60	DT380T601-60	4.4/3.2	60	4/9/100
	420	72	DT420T721-60	4.4/3.2	60	
	420	72	DT420T721-60A	4.8/3.5	60	
	450	72	DT450T721-60	4.4/3.2	60	
	450	72	DT450T721-60A	4.8/3.5	60	2/14/125
	500	60	DT500T601-60A	4.8/3.5	60	
	500	72	DT500T721-60A	4.8/3.5	60	
	500	72	DT500T721-60B	5.0/3.5	60	
	520	72	DT520T721-60	4.8/3.5	60	
	600	72	DT600T721-60	5.8/4.0	60	2/19/120, 02/11/115
Mayer	355	54	DT355T541-30	4.4/3.0	30	
	355	72	DT355T721-30	4.4/3.0	30	
	400	72	DT400T721-30	4.4/3.2	30	
New Sigma115	400	72	DT400T721-80	4.4/3.2	80	
New Sigma 90	355	54	DT355T541-30	4.4/3.2	30	
Panhans	305	48	DT305T481-30	4.4/3.2	30	
	355	54	DT355T541-30	4.4/3.2	30	

Manufacturing Technology:

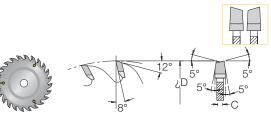








Dynamic Dynamic Balancing Straightness Pressure



SCORER FOR PANEL SIZING												
ØD	Teeth		Fits Main	Bore								
mm	Count	Tool No.	Saw Kerf	mm	*Pin-holes							
180	30	DT180T30-20	4.4/5.4	20								
200	36	DT200T36-65	4.4/5.4	65	4/9/110							
160	36	DT160T36-55	4.4/5.4	55	3/7/66							
200	36	DT200T36-65A	4.8/5.8	65	2/9/100							
200	36	DT200T36-65A	4.8/5.8	65	2/9/100							
160	36	DT160T36-55	4.4/5.4	55	3/7/66							
125	24	DT125T24-45	4.4/5.4	45								
125	24	DT125T24-45	4.4/5.4	45								
125	24	DT125T24-45	4.4/5.4	45								
125	24	DT125T24-45	4.4/5.4	45								
180	30	DT180T30-45	4.4/5.4	45								
200	36	DT200T36-65	4.4/5.4	65	4/9/110							
200	36	DT200T36-45	4.4/5.4	45								
200	36	DT200T36-45A	4.8/5.8	45								
200	36	DT200T36-45	4.4/5.4	45								
200	36	DT200T36-45A	4.8/5.8	45								
200	36	DT200T36-45A	4.8/5.8	45								
200	36	DT200T36-45A	4.8/5.8	45								
200	36	DT200T36-45A	4.8/5.8	45								
200	36	DT200T36-45A	4.8/5.8	45								
200	36	DT200T36-45B	5.8/6.8	45								
200	36	DT200T36-80A	4.4/5.4	80	2/14/110							
160	36	DT160T36-55	4.4/5.4	55	3/7/66							
180	30	DT180T30-30	4.4/5.4	30								
180	30	DT180T30-30	4.4/5.4	30								
180	30	DT180T30-30	4.4/5.4	30								

NOTE: *P.H. denotes pin-hole configuration, if applicable. Example: 2/10/60 = 2 @ 10mm dia. on 60mm circle.

4.4/3.0 30





355



DT355T721-30









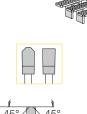


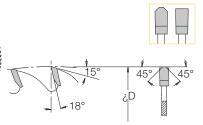


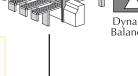


DYNAMIC PANEL SAWING

- TCG (TRIPLE CHIP GRIND)
- EXTENDED LIFE







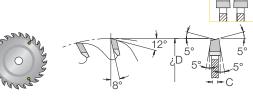








Dynamic Dynamic Balancing Straightness



ARRAGAR	ANNINGARIAGA, 25											
MAIN	SAW	FOR	PANEL SIZING	LAMINA	TED	BOARDS		S	CORER FOR PA	NEL SIZII	٧G	
Machine	ØD	Teeth		Kerf/Plate	Bore		ØD	Teeth		Fits Main	Bore	
Style	mm	Count	Tool No.	mm	mm	*Pin-holes	mm	Count	Tool No.	Saw Kerf	mm	*Pin-holes
Prismatic No.1	400	72	DT400T721-75	4.4/3.2	75	4/15/105	160	36	DT160T36-45	4.4/5.4	45	3/17/170
Prismatic No.1	400	72	DT400T721-75PH	4.4/3.2	75	4/15/115						
Prismatic No.2	430	96	DT430T961-75	4.4/3.2	75	4/15/105	215	42	DT215T42-50	4.4/5.4	50	3/15/80
Prismatic No.2	430	96	DT430T961-50	4.4/3.2	50	3/15/80						
Prismatic No.3	470	96	DT470T961-75	4.4/3.2	75	4/15/105	215	42	DT215T42-50	4.4/5.4	50	3/15/80
Prismatic No.3	500	72	DT500T721-75	4.4/3.2	75		125	24	DT125T24-45	4.4/5.4	45	
Prismatic No.3	500	72	DT500T721-75A	4.8/3.5	75		125	24	DT125T24-45A	4.8/5.8	45	
Prismatic No.3	550	72	DT550T721-100B	5.0/3.5	100		180	30	DT180T30-55	5.0/6.0	55	
Schelling	350	72	DT350T721-30	4.4/3.2	30							
	355	72	DT355T721-30	4.4/3.2	30		200	36	DT200T36-20	4.4/5.4	20	
	370	72	DT370T721-30	4.4/3.2	30		200	36	DT200T36-20	4.4/5.4	20	
	400	60	DT400T601-30	4.4/3.2	30		200	36	DT200T36-20	4.4/5.4	20	
	400	72	DT400T721-30	4.4/3.2	30		200	36	DT200T36-20	4.4/5.4	20	
	450	72	DT450T721-30	4.4/3.2	30	2/12/94	200	36	DT200T36-20	4.4/5.4	20	
	460	72	DT460T721-30	4.4/3.2	30	2/12/94						
	480	80	DT480T801-30	4.4/3.2	30		200	36	DT200T36-20	4.4/5.4	20	
	550	72	DT550T721-40	5.0/3.5	40		200	36	DT200T36-20A	5.0/6.0	20	
Selco	355	72	DT355T721-80	4.4/3.2	80	4/9/100	200	36	DT200T36-65	4.4/5.4	65	4/9/110
	400	72	DT400T721-80	4.4/3.2	80	4/19/120, 2/9/130	200	36	DT200T36-65	4.4/5.4	65	4/9/110
	400	72	DT400T721-2PH	4.4/3.2	80	2/8/130						
	430	72	DT430T721-80	4.4/3.2	80	4/19/120, 2/9/130	200	36	DT200T36-65	4.4/5.4	65	4/9/110
	450	72	DT450T721-80	4.4/3.2	80	4/19/120, 2/9/130	200	36	DT200T36-65	4.4/5.4	65	4/9/110
	450	72	DT450T721-80A	4.8/3.5	80	4/19/120, 2/9/130	200	36	DT200T36-65A	4.8/5.8	65	4/9/110
Sigma65K	300	72	DT305T721-80	4.4/3.2	80	4/9/100	160	36	DT160T36-55	4.4/5.4	55	3/7/66
						2/14/110, 2/7/110						
Sigma65K	380	72	DT380T721-80	4.4/3.5	80	4/9/100	160	36	DT160T36-55	4.4/5.4	55	3/7/66
						2/14/110, 2/7/110						
Sigma90	355	72	DT355T721-30	4.4/3.0	30		160	36	DT160T36-55	4.4/5.4	55	3/7/66
Various	305	60	DT305T601-30	4.4/3.2	30							
Various	380	72	DT380T721-75	4.4/3.2	75							
Various	380	72	DT380T721-60A	4.8/3.5	60							
Various	430	72	DT430T721-30	4.4/3.2	30							
Various	450	72	DT450T721-80A	4.8/3.5	80							
Various	480	72	DT480T721-80A	4.8/3.5	80	4/19/120						
Various	550	72	DT550T721-40	5.0/3.5	40							















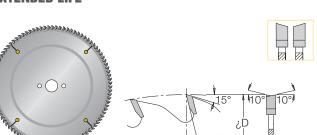






DYNAMIC PANEL SAWING

- ATB (ALTERNATE TOP BEVEL)
- EXTENDED LIFE



					I	
MAI	N SA	W FOR	PANEL SIZING	LAMINA	TED	BOARDS
Machine	ØD	Teeth		Kerf/Plate	Bore	
Style	mm	Count	Tool No.	mm	mm	*Pin-holes
Gabbiani	355	72	DT355T720-80	4.4/3.0	80	4/9/100 & 2/7/110
	400	72	DT400T720-80	4.4/3.2	80	4/9/100
						2/7/110 & 2/14/110
Giben	355	72	DT355T720-75	4.4/3.0	75	
	400	60	DT400T600-75	4.4/3.2	75	
	400	72	DT400T720-75	4.4/3.2	75	4/15/115
Giben Trend	355	54	DT355T540-75	4.4/3.0	75	
Holzma	400	72	DT400T720-60	4.4/3.2	60	
Mayer	305	48	DT305T480-30	4.4/3.0	30	
Panhans	305	60	DT305T600-30	4.4/3.0	30	
	355	54	DT355T540-30	4.4/3.0	30	
	355	72	DT355T720-30	4.4/3.0	30	2/10/60
	450	72	DT450T720-30	4.4/3.2	30	2/10/60
Schelling	400	60	DT400T600-30	4.4/3.2	30	
Various	430	72	DT430T720-30	4.4/3.2	30	



Manufacturing Technology:

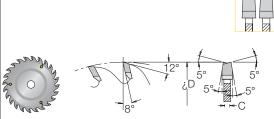






Dynamic Dynamic Balancing Straightness

Pressure



	SC	ORER FOR PAN	IEL SIZINO	G	
ØD	Teeth		Fits Main	Bore	
mm	Count	Tool No.	Saw Kerf	mm ³	*Pin-holes
160	36	DT160T36-55	4.4/5.4	55	3/7/66
160	36	DT160T36-55	4.4/5.4	55	3/7/66
125	24	DT125T24-45	4.4/5.4	45	
125	24	DT125T24-45	4.4/5.4	45	
125	24	DT125T24-45	4.4/5.4	45	
200	36	DT200T36-45	4.4/5.4	45	
125	24	DT125T24	4.4/5.4	20	
125	24	DT125T24	4.4/5.4	20	
125	24	DT125T24	4.4/5.4	20	
125	24	DT125T24	4.4/5.4	20	
200	36	DT200T36-20	4.4/5.4	20	















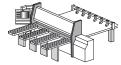


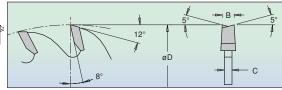




DITEC™ CONICAL TYPE **SCORING SAW**

100MM-300MM 8° HOOK CONICAL ATB GRIND





Used on panel saws with separate scoring units for chip-free cuts on both sides of the material. With conical type scoring blades, the kerf width changes with depth of penetration. Used in combination with our industrial saw blades '7' series only (#714721,

Machine	ØD	Teeth		'B' Kerf		Bore	
Style	mm	Count	Tool No.	mm	'C' Plate	mm	*Pin-holes
Giben	125	24	DT125T24-45	4.4 - 5.4	3.2	45	
	125	24	DT125T24-45A	4.8 - 5.8	3.2	45	
	180	30	DT180T30-55	5.2 - 6.2	3.5	55	
	300	48	DT300T48-50	4.4 - 5.4	3.2	50	3/15/80
iben Prismatic	160	36	DT160T36-45	4.4 - 5.4	3.2	45	3/15/70
	215	42	DT215T42-50	4.4 - 5.4	3.2	50	3/15/80
Holzma	175	28	DT175T28-45	4.4 - 5.4	3.2	45	
	175	28	DT175T28-45A	4.8 - 5.8	3.2	45	
	180	30	DT180T30-45	4.4 - 5.4	3.2	45	





Machine	ØD	Teeth		'B' Kerf		Bore	
Style	mm	Count	Tool No.	mm	'C' Plate	mm	*Pin-holes
Giben	125	24	DT125T24-45	4.4 - 5.4	3.2	45	
	125	24	DT125T24-45A	4.8 - 5.8	3.2	45	
	180	30	DT180T30-55	5.2 - 6.2	3.5	55	
	300	48	DT300T48-50	4.4 - 5.4	3.2	50	3/15/80
Giben Prismatic	160	36	DT160T36-45	4.4 - 5.4	3.2	45	3/15/70
	215	42	DT215T42-50	4.4 - 5.4	3.2	50	3/15/80
Holzma	175	28	DT175T28-45	4.4 - 5.4	3.2	45	
	175	28	DT175T28-45A	4.8 - 5.8	3.2	45	
	180	30	DT180T30-45	4.4 - 5.4	3.2	45	
	200	36	DT200T36-45	4.4 - 5.4	3.2	45	
	200	36	DT200T36-45A	4.8 - 5.8	3.5	45	
Martin	125	24	DT125T24-22	4.4 - 5.4	3.2	22	
Mayer	150	24	DT150T24-30	4.4 - 5.4	3.2	30	
Panhans	180	30	DT180T30-30	4.4 - 5.4	3.2	30	
	200	36	DT200T36-30	4.4 - 5.4	3.2	30	
Schelling	150	24	DT150T24-20	4.4 - 5.4	3.2	20	
	180	30	DT180T30-20	4.4 - 5.4	3.2	20	
	200	36	DT200T36-20	4.4 - 5.4	3.2	20	
	200	36	DT200T36-20A	5.0 - 6.0	3.5	20	
	300	48	DT300T48-30	4.4 - 5.4	3.2	30	
SCMI	150	24	DT150T24-32	4.4 - 5.4	3.2	1-1/4"	
Selco	200	36	DT200T36-65	4.4 - 5.4	3.5	65	2/8/110 & 2/10/110
Various	100	24	DT100T24	3.2 - 4.2	2.2	20	
	125	24	DT125T24	4.4 - 5.4	2.8	20	
	150	36	DT150T36	4.4 - 5.4	2.8	20	
	160	36	DT160T36-55	4.4 - 5.4	3.5	55	
	180	30	DT180T30-45A	4.8 - 5.8	3.5	45	
	200	36	DT200T36-45B	5.8 - 6.6	3.5	45	
	200	36	DT200T36-65A	4.8 - 5.8	3.5	65	

NOTE: Please specify if your application requires 22mm, 30mm, 45mm bore, etc. Due to many different scoring machine sizes (particularly arbor sizes), it is advisable to measure both the scoring and main blades that are presently on your machine (diameter, bore, kerf, etc.).

BUSHINGS & STABILIZERS available, see page 213. RE-BORING Services, see page 214.





















DADO SETS

A stacking dado set is an ideal tool for cutting dadoes, grooves and tenons for strong mortise-and-tenon joinery.



PRESTIGE™ SUPER FINE DADO SETS WITH SIX 4-WING CHIPPERS



1/4" TO 29/32" • ATB GRIND
PACKED IN A HANDY BLACK MOLDED CARRYING CASE

Our Prestige[™] dado sets the standard for smooth, flat-bottom cuts both along and across the grain. This dado set is part of the renowned "Prestige[™]" line of superior performance blades. This dado set cuts smooth, flat-bottom grooves that are free of splinters or rough edges.

Like all of the blades in our Prestige™ lineup, this super-smooth cutting Prestige™ dado set features the latest in cutting tool technology including massive steel tool-steel plates and precision ground D-10 carbide teeth. The 8" diameter, 24-tooth outside plates are hollow ground for proper clearance and feature ATB grind geometry with every sixth tooth flat ground for efficient chip removal. Each tooth body also features anti-kickback design to help prevent overfeeding. Set accompdates today's undersized plywoods.

Each of the six interior chippers features four teeth and the standard width capacity is 1/8" through 13/16". Adjustments can be easily made in 1/32" increments and even finer adjustments, as small as .002", can be made by using the supplied shim set. A 46-tooth dado set (see page 209) is also available for use with plywood and melamine.

ØD	Hook Angle	*Teeth	Chippers	Tool No.	Grind	Kerf Range	Bore
8	-10°	24	(4)1/8" (1)3/32" (1)1/16"	658060	ATB	1/4"- 29/32"	5/8
8	-10°	24	(4)1/8" (1)3/32" (1)1/16"	658060-1	ATB	1/4"- 29/32"	1

*NOTE: Teeth refers to the number of teeth for each outside saw blade.

Perfect for Crosscutting & Ripping these materials:









FREE shim set Included for fine adjustments











Amana Tool®



DADO SETS

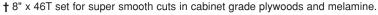
6" TO 12"

1/8" TO 13/16" GROOVE ATB AND FT GRIND

Dado's (cross-grain cuts) and grooves (cuts with the grain) are cut efficiently on the table saw with a dado stack set. Unlike a "wobbler," a stack set produces a flat-bottom cut with chip-free edges. Amana Tool® makes

dado stack sets for every machine and every type of woodworking material. The standard width capacity ranges from 1/8" to 13/16". Additional chippers may be purchased separately to expand the capacity beyond 13/16". The standard set, regardless of diameter or tooth count, consists of two outside saw blades and four inside chippers. The outside blades feature hollow-ground plates for proper clearance, and alternate top bevel (ATB) grind with every sixth tooth flat ground (FT). See charts below for additional components. For plywood and melamine, the sets with 46-tooth outside blades are recommended.

ØD	Hook Angle	*Teeth	To	ol No.	Grind	Kerf Range	Bore
6	+15°	18	65	6030	ATB/FT	1/8 - 13/16	5/8
8	-5°	24	65	8030	ATB/FT	1/8 - 13/16	5/8
8	−5°	24	65	8030-1	ATB/FT	1/8 - 13/16	1
8	+15°	24	▼ 65	8030-AK	ATB/FT	1/8 - 13/16	5/8
8	−5°	46	† 65	8040	ATB/FT	1/8 - 13/16	5/8
8	−5°	46	† 65	8040-1	ATB/FT	1/8 - 13/16	1
10	+15°	24	65	1030	ATB/FT	1/8 - 13/16	5/8
10	+15°	24	65	1030-1	ATB/FT	1/8 - 13/16	1
12	+15°	24	65	1230	ATB/FT	1/8 - 13/16	1



^{▼ &#}x27;Anti-Kickback' design. *NOTE: Teeth refers to the number of teeth for each outside saw blade.

DADO COMBINATIONS

Max. Width	Numl	ber of Chippers requ	uired
of Groove	1/16	1/8	1/4
13/16	1	2	1
1-1/16	1	2	2
1-9/16	1	2	4
2-1/16	1	2	6
3-1/16	1	2	10
4-1/16	1	2	14

DADO SHIM SETS

The perfect accessory for any dado set with 5/8" or 1" bore is this set of plastic shims. Use them to adjust the dado set for precisely sized cuts. Four different thicknesses are included, each thickness coded by color. Shims are especially useful when cutting plywood and other materials that are slightly under or oversized.

Set includes the follow Quantity Shims	ving: Inch	mm	Color	
4	.002	.05mm	Gold	
2	.004	.10mm	Yellow	
4	.010	.25mm	Clear	
4	.020	.50mm	White	











18, 24 & 36 teeth









SHIM SETS DSS-100 (5/8" Bore) DSS-101 (1" Bore)















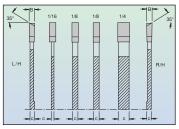
Individual Dado Set Components: DADO CHIPPERS

6" TO 12"



FLAT TOP (FT) GRIND • TWO TEETH PER CHIPPER

Amana Tool® has a full range of replacement parts for our dado sets, including chippers and outside blades. This allows you to replace damaged cutters and to expand the range of a standard set. These parts are manufactured to the same exacting standards as the full sets.



Order	Order Number Chipper Thickness:							
ØD	Bore	'B' 1/16	'B' 1/8	'B' 1/4	'B' 3/32			
6	5/8	651660	651860	651460	_			
8	5/8	651680	651880	651480	651280			
8	5/8	▼ 651680-AK	▼ 651880-AK	▼ 651480-AK	_			
8	1	651680-1	651880-1	651480-1	_			
10	5/8	651610	651810	651410	_			
10	1	651610-1	651810-1	651410-1	_			
12	1	651612	651812	651412	_			

▼ 8" 'Anti-Kickback' chippers.

OUTSIDE BLADES

6" TO 12"

ATB/FT GRIND

ØD	Bore	Order No. L/H	Order No. R/H	Teeth	Kerf
6	5/8	656010	656010-R	18	.126
8	5/8	658010	658010-R	24	.126
8	5/8	▼ 658010-AK	▼ 658010-AK-R	24	.126
8	1	658010-1	658010-1-R	24	.126
8	5/8	658020	658020-R	46	.126
8	1	658020-1	658020-1-R	46	.126
10	5/8	651010	651010-R	24	.126
10	1	651010-1	651010-1-R	24	.126
12	1	651210	651210-R	24	.126

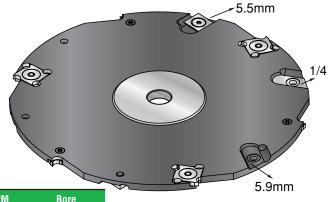
^{▼ 8&}quot; 'Anti-kickback' outside blades.

NOTE: Specify left or right hand blades. Although each outside saw blade is sold separately, it is recommended to buy one set of both blades so the O.D. matches. See illustration above for description.

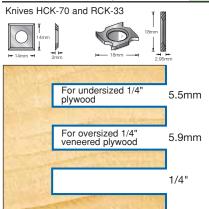
8" STEP ADJUSTABLE GROOVER FOR TABLE SAW



Amana Tools® latest innovation is a groove cutter which allows you to cut three different size grooves simply by switching the location of the knives. The 8" diameter cutter allows you to cut grooves in three widths, 5.5mm, 5.9mm or 1/4".



ØD	Teeth	Kerf	Tool No.	Max RPM	Bore	
8	6	5.5, 5.9mm & 1/4"	61363	3,800-6,500	5/8	
8	6	5.5, 5.9mm & 1/4"	61363-1	3,800-6,500	1	



TO ADJUST THE GROOVE WIDTH SIMPLY CHANGE THE LOCATION OF THE KNIVES

USER INSTRUCTIONS

The pair of knives determines the cutting width of the cutter. There is one knife on each side of the cutter. To change the cutting width you have to change the location of both knives (FRONTSIDE and BACKSIDE).

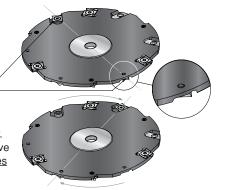






















PLATE JOINTER 100mm DIAMETER

This plate jointer blade is designed with anti-kickback "fingers" that limit chip thickness to provide a safer cut without loss of cutting speed or quality. The blade fits most brands and models of plate jointers, including Lamello, Virutex, Freud, Kaiser, Elu, and DeWalt and other makes of plate-jointer machines. Packaged in a re-usable protective foam sleeve.

ØD	Teeth	Tool No.	Kerf	Bore
100mm	6	LAM400T6	4.0mm	22mm



SPECIAL 'FACE-FRAME' PLATE JOINTER 3-1/16"

Cut blind right-angle biscuit joints in stock as narrow as 1-3/4" with this smaller diameter blade that fits most biscuit jointers, including Lamello, Virutex, Freud, Kaiser, and DeWalt. A simple depth adjustment on your machine allows the use of this blade.

ØD	Description	Tool No.	Teeth	Kerf	Bore
3-1/16	Standard 'Face-Frame'	† LAM300T4	4	3mm	22mm
3-1/16	Ryobi 'Face-Frame'	* RY300T4	4	3mm	7/8

†LAM300T4 (22mm bore) will fit Lamello, Virutex, Freud, Kaiser, Elu, DeWalt and others. *RY300T4 (7/8" bore) will fit Ryobi Model #JM-100K. Will not work with Porter-Cable biscuit joint machines. Packaged in a re-usable protective foam sleeve.

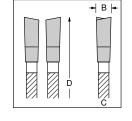


GENERAL PURPOSE

4-3/8" & 5-1/2"

ALTERNATE TOP BEVEL (ATB) GRIND POSITIVE HOOK

This carbide-tipped trim-saw blade is the ideal upgrade (or replacement blade) for Porter-Cable, Makita, and other brands of portable trim saws. The alternate top bevel grind ensures high-quality crosscuts in solid wood and sizing cuts in plywood.





ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
4-3/8	30	.072	RM-438	.052	20mm - 3/8
5-1/2	30	.072	RM-550	.052	1/2 - 5/8 - 10mm

RM-438 fits Porter-Cable and Makita portable trim saws. **RM-550** fits Makita 5-1/2" saw and others. Replacement bushing for RM-438: #BU-120. (20mm x 3/8). Replacement bushing for RM-550: #BU-110. (5/8 x 1/2). Replacement bushing for RM-550: #BU-125. (5/8 x 10mm)

GENERAL PURPOSE

7-1/4"

ALTERNATE TOP BEVEL (ATB) GRIND POSITIVE HOOK

Here is the mainstay cutter in the construction trades and home improvement realm. Get fast, clean, burn-free cuts in framing and pressure-treated stock and in plywood and other construction-grade sheet goods. Use in any brand or model of circular saw.

ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
7-1/4	24	.120	GP-420	.078	*5/8 - univ.

NOTE: All blades marked with '' have a universal bore with 5/8" diameter arbor hole and diamond knock-out. All other blades are as noted.

























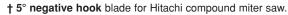
FINE-CUTTING

6-1/2" TO 8-1/2"

ALTERNATE TOP BEVEL (ATB) GRIND **POSITIVE HOOK**

For crosscutting and mitering with portable circular saws and small sliding compound miter saws, choose this blade. High tooth counts and alternate top bevel grinds produce smooth, crisp cuts. Blade #250-60 is intended for use in small SCM saws and has a 5° negative hook.

ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
6-1/2	40	.120	FC-500	.078	*5/8 - univ.
7-1/4	40	.120	FC-520	.078	*5/8 - univ.
8-1/4	40	.120	FC-530	.083	*5/8 - univ.
8-1/2	60	.120	† 250-60	.083	5/8 only



PLYWOOD & PLASTIC CUTTING

7-1/4" & 8"

TRIPLE CHIP (TC) GRIND **POSITIVE HOOK**

This blade produces quality cuts when sizing plywood & other sheet goods with a portable circular saw. The blade can also be used for cutting plastics.

ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
7-1/4	40	.120	PC-620	.078	*5/8 - univ.
8	40	.120	PC-630	.083	5/8

NAIL-CUTTING & DEMOLITION

7-1/4"

FLAT TOP (FT) GRIND **5° NEGATIVE HOOK**

This blade is designed especially for renovation and demolition work, where contact with nails, screws, and similar debris has to be expected. The blade is configured - low tooth count and flat-top grind - for ripping. A negative hook angle and strong shoulder design to help prevent the blade's carbide tips of breaking off upon impact against a hidden nail.

ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
7-1/4	14	.120	NC-820	.078	5/8

NOTE: All blades marked with '' have a universal bore with 5/8" diameter arbor hole and diamond knock-out. All other blades are as noted.

Packaging: All blades are clamshell packaged for hang-up display.

RIP BLADES

6-1/2" & 7"

FLAT TOP (FT) GRIND **POSITIVE HOOK**

ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
6-1/2	12	.120	RS-700	.078	*5/8 - univ.
7	12	.120	RS-710	.078	*5/8 - univ.

NOTE: All blades marked with '' have a universal bore with 5/8" diameter arbor hole and diamond knock-out. All other blades are as noted.

Packaging: All blades except #300-24(-1) are clamshell packaged for hang-up display.























- B -

+ B |+

- B -

















Amana Tool®



DEMOLITION "FIREMAN'S BLADE"

11-3/4"

FLAT TOP (FT) GRIND 15° NEGATIVE HOOK

This unusual blade is intended for fire emergency demolition use in gasoline-powered saws. It was designed for the job by experts in one of the world's largest municipal fire departments. The blade has a 15° negative hook angle and specially designed C-1 (90% tungsten, 10% cobalt) carbide that is more shock resistant and less brittle than harder grades, and thus ideal for demolition use.

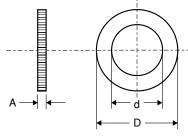
ØD	Teeth	'B' Kerf	Tool No.	'C' Plate	Bore
11-3/4	24	.165	300-24-1	.093	1





SAW BLADE BORE REDUCTION BUSHINGS

ØD	Tool No.	Ød	A
5/8	BU-125	10mm	.053
5/8	BU-110	1/2	.060
3/4	BU-150	5/8	.062
20mm	BU-120	3/8	.060
22mm	BU-130	3/4	.062
22mm	BU-140	20mm	.070
1	BU-100	5/8	.086
1	BU-225	7/8	.097
New 1	BU-250	7/8	.110
1	BU-200	3/4	.075
1	BU-122	20mm	.097
1-1/8	BU-300	1	.086
1-1/4	BU-400	1	.086
1-1/4	BU-500	1-1/8	.075
1-1/4	BU-450	30mm	.086
30mm	BU-515	5/8	.070
30mm	BU-520	3/4	.070
30mm	BU-530	25mm	.070
30mm	BU-525	1	.070





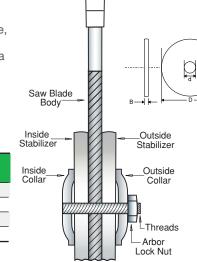
NOTE: Most saw blade bushings have serrations on the outside diameter edge to provide a better grip & fit.

SAW BLADE STABILIZERS / STIFFENERS

The purpose of blade stabilizers is to increase the overall stiffness of the saw blade, thus reducing vibration. Reduction in vibration improves cut quality and dampens noise. Stabilizers are particularly beneficial when used with thin-kerf blades. Amana Tool® stabilizers are made from the steel used for our Industrial Series saw blades. The steel is ground (not stamped), and it is extremely flat on both sides to reduce run-out and vibration. Please note that depth of cut will be reduced slightly and interference between the stabilizers and the table insert may occur. You may use one or two stabilizers, depending on the application and arbor length. Each order number consists of one pair.

ØD	Ød	Tool No.	В	Use With Saw Blade Diameter(s)
4	5/8	STF-4	.098 (x2)	8 - 12
4	1	STF-4-1	.098 (x2)	8 - 12
4	30mm	† STF-4-30	.098 (x2)	8 - 12
6	1	STF-6	098 (x2)	14 - 20

†Includes 2/10/60 pin-holes.























RE-BORING SERVICE

Most Amana Tool® Saw Blades, Scoring Saws and Dado Sets can be re-bored to fit special size arbors.

Example: If you needed a 12" x 40 tooth TCG blade (#612401) re-bored to 30mm (Bore-2), order as follows:

Quantity	Item No.	Description
1 each	612401	12" x 40T TCG
1 each	Bore-2	Re-bore above #612401 to 30mm

NOTE: For **special boring** requests (pin-holes, keyways, etc.) please see page 294 for a detailed drawing to show bore specifications and arrangement.

Example:

Blade: #612401

Main Bore: 30mm diameter

Pin-holes (2): 10mm diameter each

Pin-hole location: 30mm from center of main bore to center of each

pin-hole (60mm circle).

Delivery: Please allow 7-10 working days to process your order.

Guarantee: Blades carry the same **Amana Tool**® quality guarantee. However, blades are **not returnable** once re-bored except for defects in

material or workmanship.



Larger sizes available on request.

IMPORTANT NOTE:

*Due to the many different size scoring saw arbors on the market, please order carefully. **For example:** If you were to assume that the arbor hole needed was **1-3/16" (1.187")** and it was actually **30mm (1.181")**, the difference of only **.006"** (6/1000th of one inch) is enough that the blade would not fit onto the arbor properly. (1-3/16" is too large to fit on 30mm arbors and will have excessive vibration and run-out and will not run concentrically.) Conversely, if the arbor hole is **too small**, you could do damage to the arbor, blade and tensioning if you attempt to **force** the blade onto the arbor.









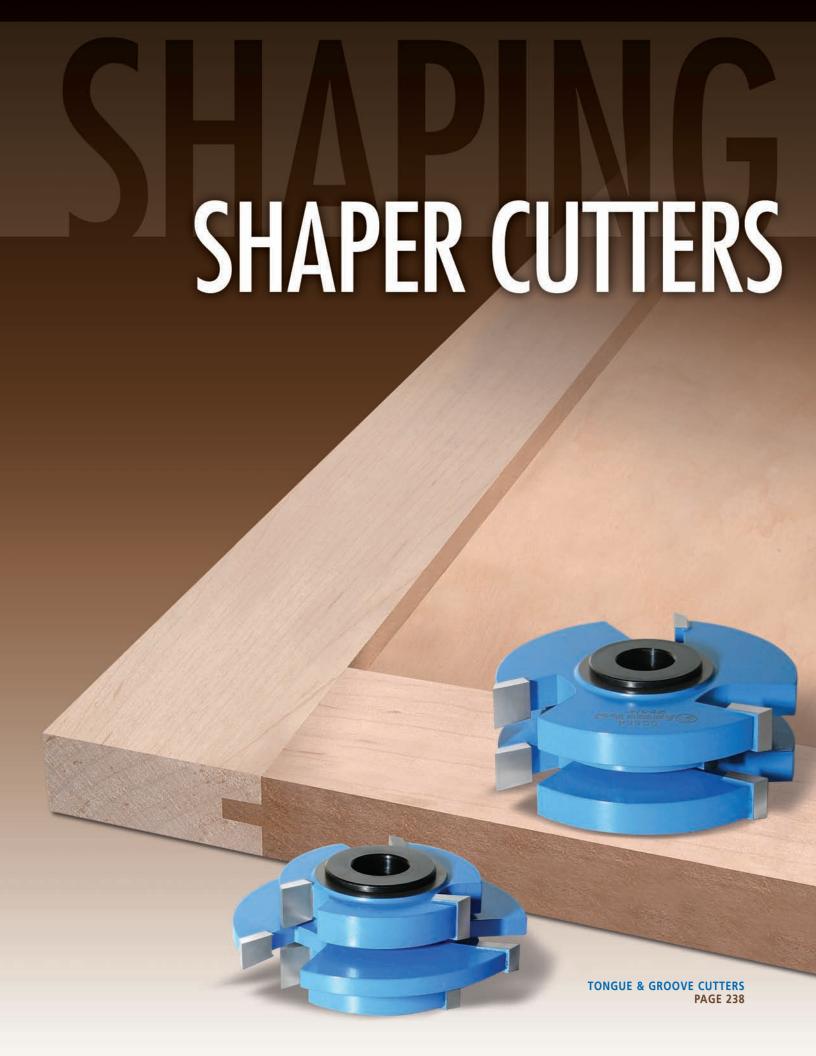












Shaper Cutters









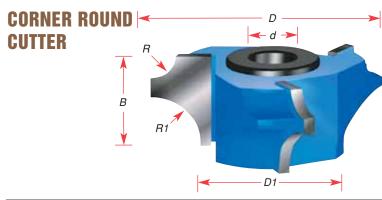
CARBIDE-TIPPED SHAPER CUTTERS

Over 100 different cutters for all your shaping needs. Extra-thick carbide tips offer many resharpenings and longer tool life. RPM rating: 12,000 and under.

Cutters are furnished with either 1/2", 3/4" or 1-1/4" bore.

Cutters with 3/4" bore include 2 reduction bushings (1/2" x 3/4") which will reduce the bore to 1/2". Cutters with 1-1/4" bore include 2 reduction bushings (1" x 1-1/4") which will reduce the bore to 1".

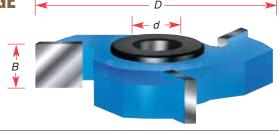






	ØD	ØD1	В	Tool No.	R	R1	Ød	Rub Collar
	2-5/8	1-5/8	15/16	905	1/4	1/2	1/2 & 3/4	C-005** C011**
Jew	3-5/32	2-5/32	15/16	SC680	1/4	1/2	1 & 1-1/4	C051***

STRAIGHT EDGE **CUTTER**





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E: For heavy duty larger diameter straight edge shaper cutters see page 232.

Ød	Tool No.	В	ØD	
1/2 & 3/4	SC672	1/4	1-7/8	New
1/2	SC612	1/4	2	
1 & 1-1/4	SC674	1/4	2-1/2	New
1/2 & 3/4	* 918	1/4	2-5/8	
1/2 & 3/4	SC671	1/4	2-3/4	New
 1/2 & 3/4	SC611	1/4	2-7/8	New
1 & 1-1/4	SC613	1/4	2-7/8	New
1/2 & 3/4	** 917	1/4	3-1/8	
1 & 1-1/4	SC673	1/4	3-3/8	New
1 & 1-1/4	SC615	1/4	3-9/16	New
1/2 & 3/4	* 953	3/8	2-5/8	
1/2	SC614	1/2	2	
1/2 & 3/4	948	1/2	2-1/2	
1/2 & 3/4	954	1/2	2-5/8	
1/2 & 3/4	912	3/4	2-5/8	
1/2	SC610	1	2	
1/2 & 3/4	955	1	2-5/8	
1/2 & 3/4	956	1-1/2	2-5/8	
1/2 & 3/4	SC632	2	2-5/8	
1/2 1/2 & 3/4 1/2 & 3/4 1/2 & 3/4 1/2 1/2 & 3/4 1/2 & 3/4	SC614 948 954 912 SC610 955 956	1/2 1/2 1/2 3/4 1 1 1-1/2	2 2-1/2 2-5/8 2-5/8 2 2-5/8 2-5/8 2-5/8	

^{*}Due to size, furnished with only one 1/2" x 3/4" bushing.

For rub collars & bushings See pages 280 - 282.



^{**}Cabinet set replacement cutter, no bushing is furnished.

^{*}Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only! Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit www.amanatool.com





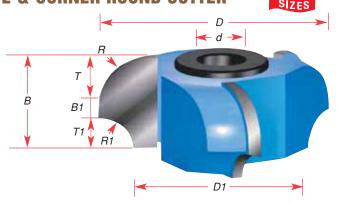




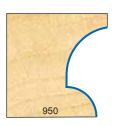
Shaper Cutters





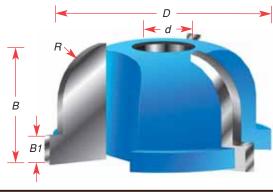


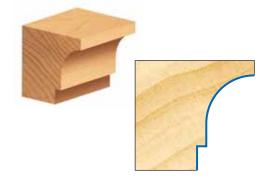




ØD	ØD1	В	B1	T	T1	Tool No.	R	R1	Ød	Rub Collar
2-5/8	2	15/16	1/8	1/2	5/16	950	1/2	5/16	1/2 & 3/4	C-005**
2-3/4	1-3/4	1-3/8	3/8	1/2	1/2	SC410	1/2	1/2	1/2 & 3/4	C-006**
3	1-3/4	1-9/16	5/16	5/8	5/8	SC412	5/8	5/8	1/2 & 3/4	C-006**
3-1/4	1-3/4	1-7/8	3/8	3/4	3/4	SC414	3/4	3/4	1/2 & 3/4	C-006**
3-3/4	1-3/4	2-1/4	1/4	1	1	SC416	1	1	1/2 & 3/4	C-006**

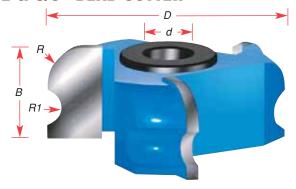
FLUTE & COVE CUTTER





ØD	В	B1	Tool No.	R	Ød	Rub Collar
2	1	1/4	SC600	1/2	1/2	C-001*

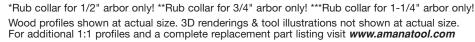
5/16" COVE & 3/8" BEAD CUTTER





ØD	В	R	Tool No.	R1	Ød	Rub Collar
2-5/8	1	3/8	951	5/16	1/2 & 3/4	C-010**

Replacement 'T' bushing(s) #BU-550.











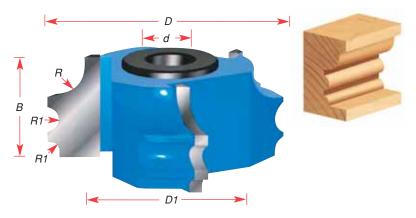






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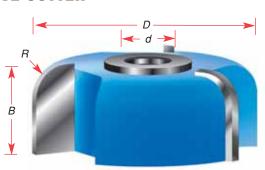
1/8" - 3/8" CORNER ROUND & 1/4" BEAD CUTTER



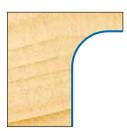


ØD	ØD1	В	Tool No.	R	R1	Ød	Rub Collar
2	1-1/4	1	SC602	3/8	1/8	1/2	C-002*
2-5/8	1-7/8	15/16	952	3/8	1/8	1/2 & 3/4	C-008**

DROP LEAF COVE CUTTER

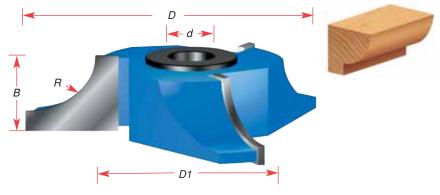






ØD	В	R	Tool No.	Ød	Rub Collar
2-5/8	1	3/8	SC634	1/2 & 3/4	C-008**

3/4" RADIUS CORNER ROUND CUTTER



		1			ı		
Description	ØD	ØD1	Tool No.	В	R	Ød	Rub Collar
Corner Round	3-5/8	2-1/8	959	1	3/4	1/2 & 3/4	C-011**
Dron Leaf-Bead	2-5/8	1-5/8	SC636	1	1/2	1/2 & 3/4	C-005**

Replacement 'T' bushing(s) #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only!

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**





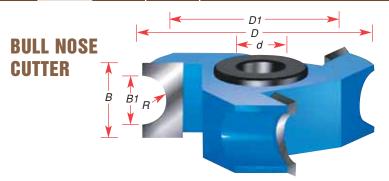






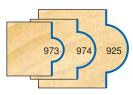




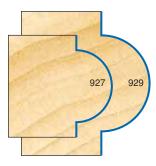




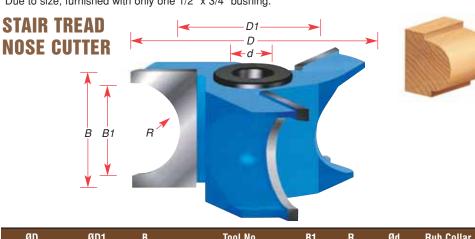
NOTE: For heavy duty larger diameter bull nose shaper cutters see page 233.



	Description	ØD	ØD1	В	Tool No.	B1	R	Ød	Rub Collar
	1/4 Bead	2-5/8	2-3/8	9/16	* 973	1/4	1/8	1/2 & 3/4	C-015**
	3/8 Bead	2-5/8	2-1/4	5/8	974	3/8	3/16	1/2 & 3/4	C-025**
	1/2 Bead	2-5/8	2-1/8	13/16	925	1/2	1/4	1/2 & 3/4	C-011**
Nen	5/8 Bead	2-5/8	2	15/16	923	5/8	5/16	1/2 & 3/4	C-010**
	3/4 Bead	2-5/8	1-7/8	1-1/16	927	3/4	3/8	1/2 & 3/4	C-008**
	1 Bead	2-5/8	1-5/8	1-1/2	929	1	1/2	1/2 & 3/4	C-005**
Nen	1-1/4 Bead	3-9/16	2-5/16	1-5/8	SC570	1-1/4	5/8	1 & 1-1/4	C-040***
Nen	1-1/2 Bead	3-13/16	2-5/16	2	SC572	1-1/2	3/4	1 & 1-1/4	C-040***
New	2 Bead	4-5/16	2-5/16	2-1/2	SC574	2	1	1 & 1-1/4	C-040***



^{*}Due to size, furnished with only one 1/2" x 3/4" bushing.





ØD	ØD1	В	Tool No.	B1	R	Ød	Rub Collar
3-3/8	1-7/8	1-1/2	932	1-1/8	9/16	1/2 & 3/4	C-008**





NOTE: For heavy duty larger diameter flute (convex) shaper cutters see page 232.

	930	

926

972

928

	Description	ØD	В	Tool No.	R	Ød	Rub Collar
	1/4 Flute	2-5/8	1/4	* 971	1/8	1/2 & 3/4	C-015**
	3/8 Flute	2-5/8	3/8	* 972	3/16	1/2 & 3/4	C-025**
	1/2 Flute	2-5/8	1/2	926	1/4	1/2 & 3/4	C-011**
	3/4 Flute	2-5/8	3/4	928	3/8	1/2 & 3/4	C-008**
	1 Flute	2-5/8	1	930	1/2	1/2 & 3/4	C-005**
New	1-1/4 Flute	3-1/4	1-1/4	SC532	5/8	1 & 1-1/4	C-050***
New	1-1/2 Flute	3-1/2	1-1/2	SC534	3/4	1 & 1-1/4	C-050***
New	2 Flute	4	2	SC536	1	1 & 1-1/4	C-050***

*Due to size, furnished with only one 1/2" x 3/4" bushing.

^{*}Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only! Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit www.amanatool.com







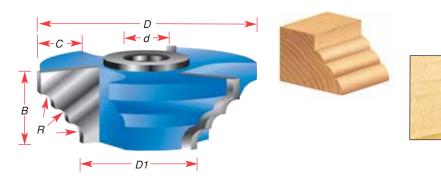








CORNER TRIPLE BEAD CUTTER



ØD	ØD1	В	Tool No.	C	R	Ød	Rub Collar
2-5/8	1-1/2	7/8	SC624	9/16	3/16	1/2 & 3/4	C-043**

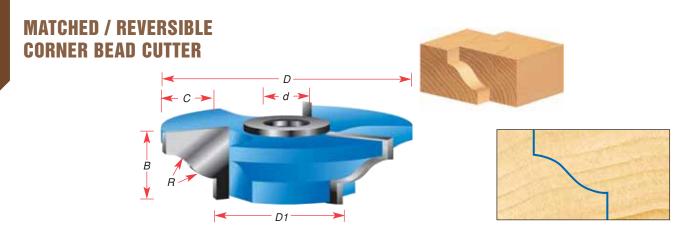






ØD	ØD1	В	Tool No.	C	R	Ød	Rub Collar
3	1-3/4	15/16	SC646	5/8	1/4	1/2 & 3/4	C-006**

D1



ØD	ØD1	В	Tool No.	C	R	Ød	Rub Collar
3-3/8	1-7/8	15/16	SC648	3/4	1/2	1/2 & 3/4	C-008**





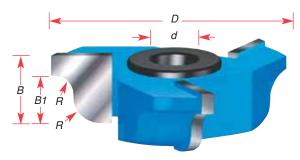








MATCHED / REVERSIBLE OGEE CUTTER

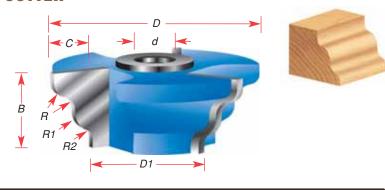






	ØD	В	B1	Tool No.	R	Ød	Rub Collar
	2-5/8	3/4	1/2	906	1/4	1/2 & 3/4	C-005**
New	3-1/8	3/4	1/2	SC682	1/4	1 & 1-1/4	C-051***

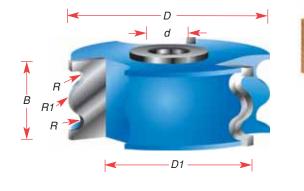
WAVE EDGE CUTTER





ØD	ØD1	В	C	Tool No.	R	R1	R2	Ød	Rub Collar
2-3/4	1-5/8	1	9/16	SC626	3/16	1/4	1/8	1/2 & 3/4	C-005**

ROUNDED FLUTE CUTTER







ØD	ØD1	В	Tool No.	R	R1	Ød	Rub Collar
2-5/8	2-5/16	1	SC628	3/32	7/32	1/2 & 3/4	C-013**







C-047***

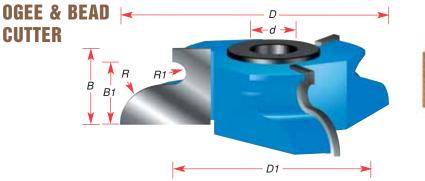
C-046***

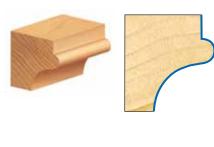












				1				1			
Descripti	on	ØD	ØD1	В	Tool No.	B1	R	R1	Ød	Rub Collar	
	ead Table Edge		2-1/8	1	958	3/4	1/8	1/2 1	/2 & 3/4		
CROW	N MOLI	DING	a CU	TTEI	R	>					
R1 B B1 R	a°			d >		1100000	The state of the s			SC666	962 SC8
ØD	В	B1	a°	R	Tool No.		R1	Ød		Rub Collar	
2-3/4			45°	1/2	962	3	/16	1/2 &		C-027**	
3-1/2		-3/4	45°	11/32	SC666	-	1/4	1		C-049***	
3-1/2	2-1/2 2-	-1/4	45°	13/32	SC664	11	1/32	1 & 1	-1/4	C-048***	

MULTI-FORM CUTTER

3

3-1/2

2-3/4

3-1/4

45°

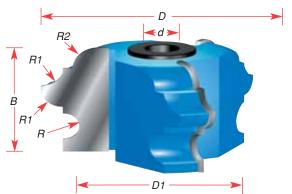
45°

17/32

9/16

3-1/2

3-1/2



SC662

SC660

—	D	
R2	∢ d >	Miles
R1		
		Mr.
B		
R1		
R		
←	D1	

11/32

1/2

1 & 1-1/4

1 & 1-1/4

	ØD		D N	Tool No.	R1	R2	Ød	Rub Collar
3-1/2 2-7/8 1-7/8 1/4 965 5/16 3/8 1/2 & 3	3-1/2	1-7/8	3 1-7/8 1/4	965	5/16	3/8	1/2 & 3/4	C-007**



Straight



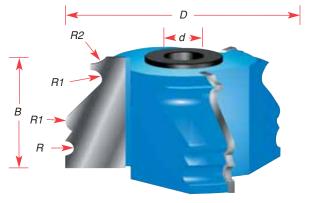




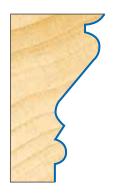
Shaper Cutters



MOLDING CUTTER

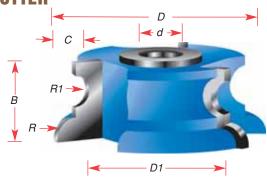






ØD	В	R	Tool No.	R1	R2	Ød	Rub Collar
3	1-3/4	1/8	966	5/32	1/4	1/2 & 3/4	C-010**

MOLDING CUTTER

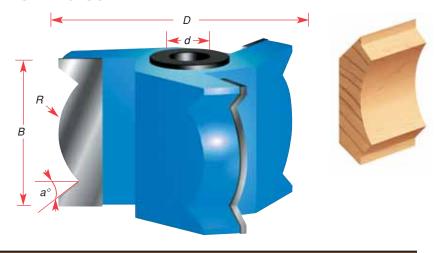






ØD	ØD1	В	C	Tool No.	R	R1	Ød	Rub Collar
2-5/8	1-3/4	15/16	7/16	SC630	1/4	3/16	1/2 & 3/4	C-006**

CROWN MOLDING CUTTER



ØD	В	a°	Tool No.	R	Ød	Rub Collar
3-1/4	2-1/4	45°	967	1-1/4	1/2 & 3/4	C-030**

Replacement 'T' bushing(s) #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only! Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit **www.amanatool.com**









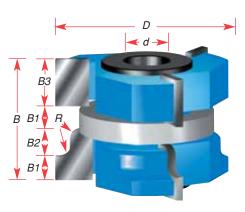
PROFILING





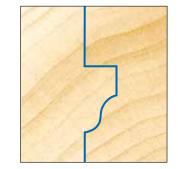
WINDOW SASH CUTTER

WITH BALL BEARING RUB COLLAR





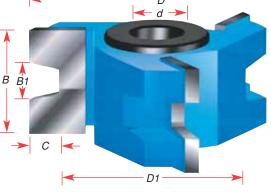
For this profile use bottom cutter and rub collar only.



ØD	В	B1	Tool No.	В2	В3	R	Ød	Rub Collar
2	1-5/8	5/16	939	3/8	5/8	1/4	1/2 & 3/4	C-043**

JOINERY CUTTERS

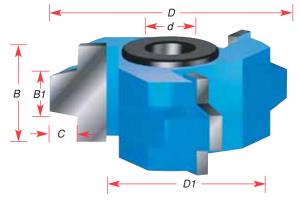








ØD	ØD1	В	Tool No.	B1	C	Ød	Rub Collar
2	1-3/8	1	SC606	1/4	5/16	1/2	C-002*
2-5/8	2	15/16	903	11/32	_	1/2 & 3/4	C-010**



1	
	100000

SC604

ØD	ØD1	В	Tool No.	B1	C	Ød	Rub Collar
2	1-3/8	1	SC604	1/4	5/16	1/2	C-002*
2-5/8	2	15/16	904	11/32	_	1/2 & 3/4	C-010**

Replacement 'T' bushing(s) #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only! Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit *www.amanatool.com*





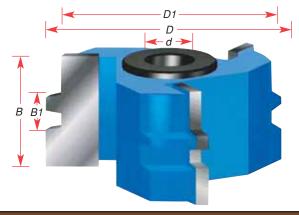




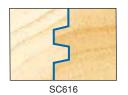






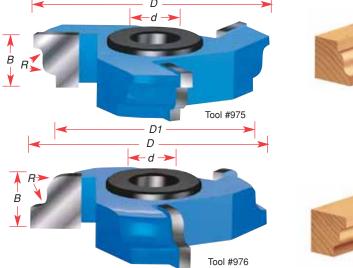


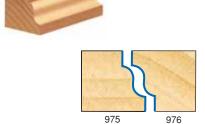




	ØD	ØD1	В	Tool No.	B1	Ød	Rub Collar
	2-5/8	2-5/16	3/4	SC616	_	1/2 & 3/4	C-014**
	2-5/8	2-1/4	1-3/16	911	3/8	1/2 & 3/4	C-026**
Π	2-13/16	2-1/2	1-3/16	SC617	3/8	1 & 1-1/4	C-017**
_							

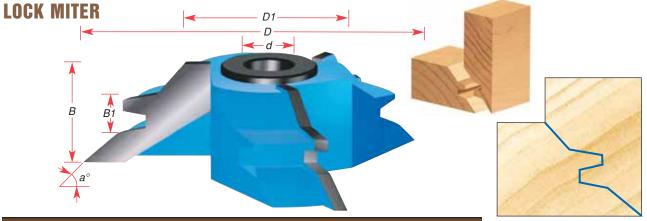
SASH







Description	ØD	ØD1	В	Tool No.	R	Ød	Rub Collar
Female Sash	2-5/8	2-1/8	5/8	975	1/8	1/2 & 3/4	C-024**
Male Sash	2-5/8	2-1/8	5/8	976	1/8	1/2 & 3/4	C-024**



ØD	ØD1	В	Tool No.	B1	a°	Ød	Rub Collar
3-3/4	2	1	998	3/8	45°	1/2 & 3/4	C-006**
4-17/32	2-31/64	1	SC619	3/8	45°	1 & 1-1/4	C-017***

Replacement 'T' bushing(s) #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only! Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit **www.amanatool.com**



ØD1

2-1/8

1-1/2

2-7/8

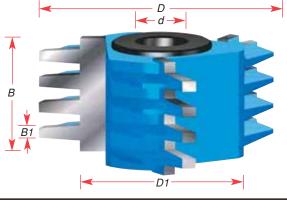






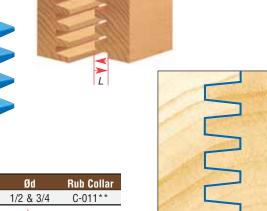






Tool No.

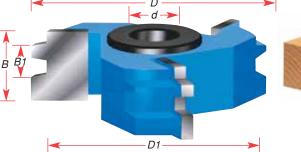
999



REVERSIBLE GLUE JOINT

Description

Finger Joint

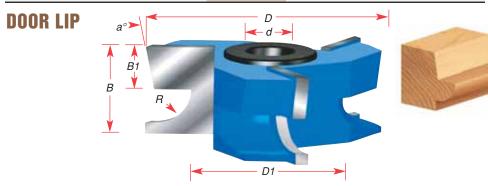


		⋖	D1 _			-	
Description	ØD	ØD1	Tool No.	В	B1	Ød	Rub Collar
Reversible Glue Joint	2-5/8	2-3/8	933	3/4	11/32	1/2 & 3/4	C-014**

B1

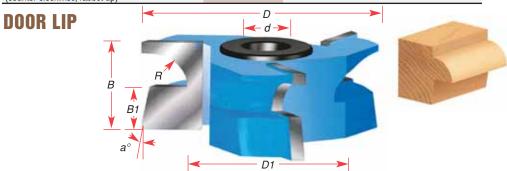
13/64

3/8

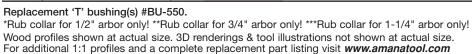




Description	ØD	ØD1	В	Tool No.	B1	R	a°	Ød	Rub Collar
Corner Round & Rabbet (counter-clockwise, rabbet u		1-3/4	1-3/16	900	5/8	3/8	10°	1/2 & 3/4	C-006**



Description	ØD	ØD1	В	Tool No.	B1	R	a°	Ød	Rub Collar
Corner Round & Taper Rabbet (counter-clockwis				901	11/16	3/8	10°	1/2 & 3/4	C-006**







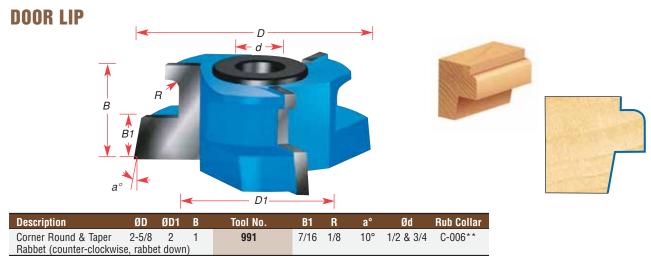


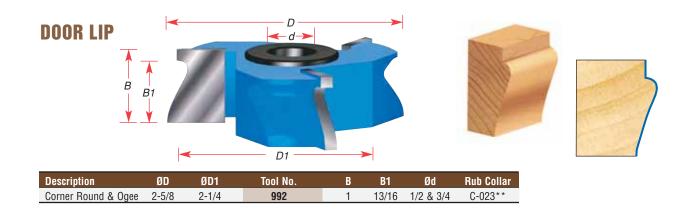


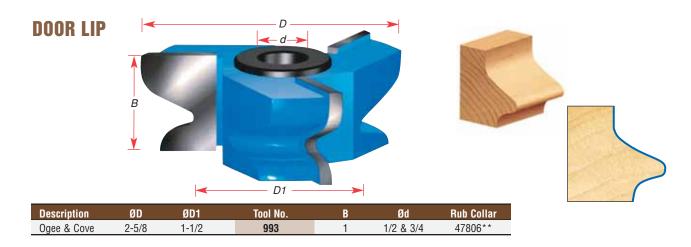
















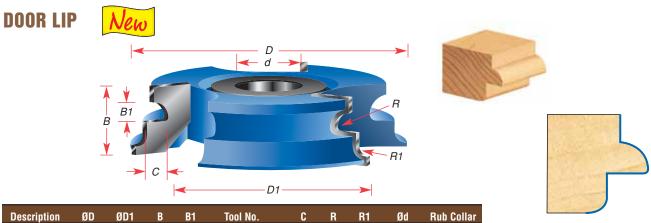
3-1/8 1-1/32 9/32

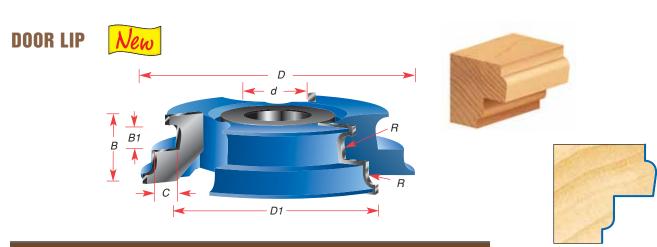


PROFILING









3/8

1/4

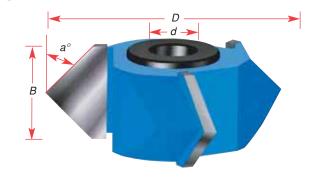
1/8 1 & 1-1/4 C-049***

Description ØD ØD1 Tool No. Ød **Rub Collar** Ogee & Cove 4-5/16 3-1/8 1-1/32 3/8 SC464 13/32 1/8 1 & 1-1/4 C-048***

SC462

90° 'V' GROOVE

Ogee & Cove 4-5/16





Description	ØD	В	Tool No.	a°	Ød	Rub Collar
90° 'V' Groove	2-5/8	15/16	957	45°	1/2 & 3/4	47810**





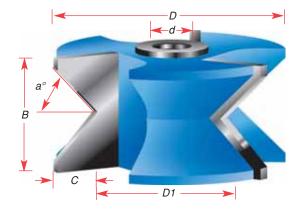










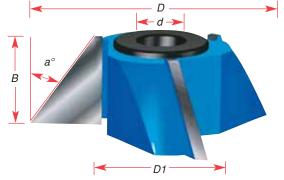






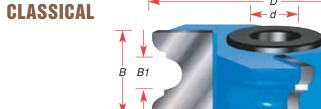
Description	ØD	ØD1	В	Tool No.	a°	C	Ød	Rub Collar	
90° Double Bevel	2-5/8	1-11/16	1-3/16	SC638	45°	1/2	1/2 & 3/4	C-005**	

BEVEL



077
977
SC618

Description	ØD	ØD1	В	Tool No.	a°	Ød	Rub Collar
30° Bevel	2-5/8	1-3/8	1	977	30°	1/2 & 3/4	C-044**
45° Bevel	3-1/2	1-1/2	1	SC618	45°	1/2 & 3/4	C-011**











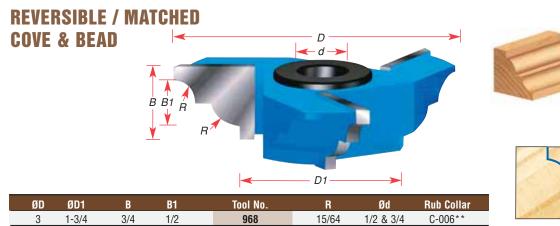


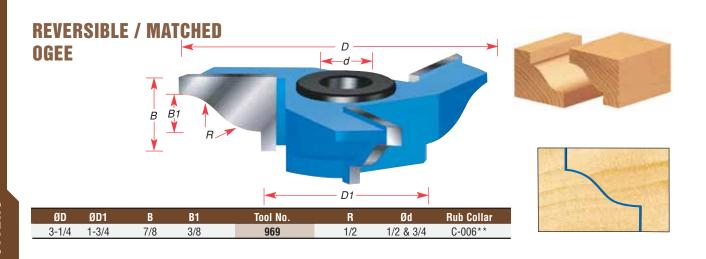


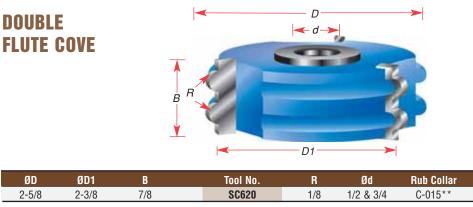


















Replacement 'T' bushing(s) #BU-550.







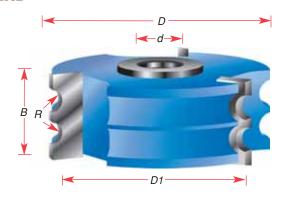








DOUBLE FLUTE BEAD

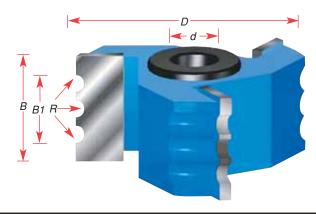


ØD	ØD1	В	Tool No.	R	Ød	Rub Collar
2-5/8	2-3/8	1	SC622	1/8	1/2 & 3/4	C-015**





3 WING TRIPLE BEAD CUTTER



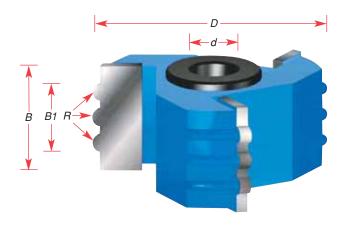
ØD	В	B1	Tool No.	R	Ød	Rub Collar
2-5/8	1	5/8	960	5/64	1/2 & 3/4	C-015**, C-028**







TRIPLE FLUTING CUTTER



ØD	В	B1	Tool No.	R	Ød	Rub Collar
2-5/8	1	5/8	961	5/64	1/2 & 3/4	C-015**, C-028**

Replacement 'T' bushing(s) #BU-550.

*Rub collar for 1/2" arbor only! **Rub collar for 3/4" arbor only! ***Rub collar for 1-1/4" arbor only! Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size. For additional 1:1 profiles and a complete replacement part listing visit www.amanatool.com











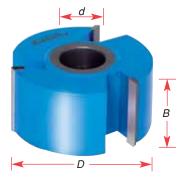




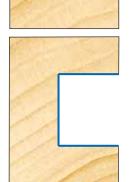


HEAVY-DUTY CARBIDE-TIPPED SHAPER CUTTERS

STRAIGHT EDGE



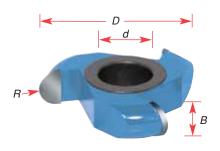




ØD	В	Tool No.	Ød
4	1/4	A-27-100	1-1/4
4	3/8	A-27-102	1-1/4
4	1/2	A-27-104	1-1/4
4	3/4	A-27-106	1-1/4
4	1	A-27-108	1-1/4
4	1-1/4	A-27-110	1-1/4
4	1-1/2	A-27-112	1-1/4
4	1-3/4	A-27-114	1-1/4
4	2	A-27-116	1-1/4

NOTE: For additional sizes please see page 216

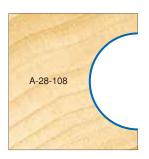
HEAVY DUTY FLUTE (CONVEX)

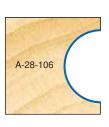




ØD	R	Tool No.	В	Ød	Rub Collar
4	1/8	A-28-100	1/4	1-1/4	C-038
4	3/16	A-28-102	3/8	1-1/4	C-037
4	1/4	A-28-104	1/2	1-1/4	C-035
4	3/8	A-28-106	3/4	1-1/4	C-033
4	1/2	A-28-108	1	1-1/4	C-032

For additional sizes please see page 219

















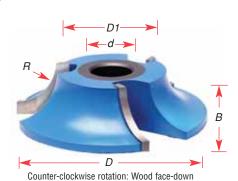




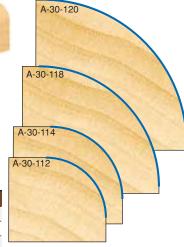




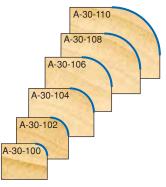
CORNER ROUND



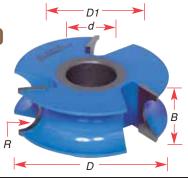




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4	3-3/4	1/8	A-30-100	3/8	1-1/4	C-038
4	3-5/8	3/16	A-30-102	7/16	1-1/4	C-037
4	3-1/2	1/4	A-30-104	1/2	1-1/4	C-035
4	3-3/8	5/16	A-30-106	9/16	1-1/4	C-034
4	3-1/4	3/8	A-30-108	5/8	1-1/4	C-033
4	3	1/2	A-30-110	3/4	1-1/4	C-032
4	2-3/4	5/8	A-30-112	7/8	1-1/4	C-031
4	2-1/2	3/4	A-30-114	1	1-1/4	C-017
4-1/2	2-1/2	1	A-30-116	1-1/4	1-1/4	C-017
4-1/2	2-1/2	1-1/4	A-30-118	1-1/2	1-1/4	C-017
5-1/2	2-1/2	1-1/2	A-30-120	1-3/4	1-1/4	C-017



HEAVY DUTY BEAD (BULL NOSE)





- A - A - A - A - A - A - A - A - A - A	
	B1
	_

ØD	ØD1	R	В	Tool No.	B1	Ød	Rub Collar
4	3-3/4	1/8	1/2	A-29-100	1/4	1-1/4	C-038
4	3-5/8	3/16	5/8	A-29-102	3/8	1-1/4	C-037
4	3-1/2	1/4	13/16	A-29-104	1/2	1-1/4	C-035
4	3-1/4	3/8	1-1/8	A-29-106	3/4	1-1/4	C-033
4	3	1/2	1-5/16	A-29-108	1	1-1/4	C-032

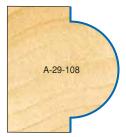
NOTE:

For additional sizes please see page 219















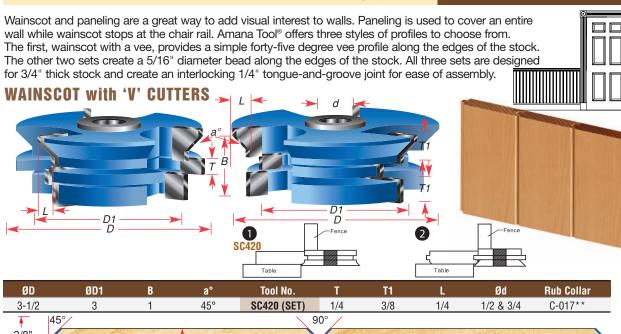


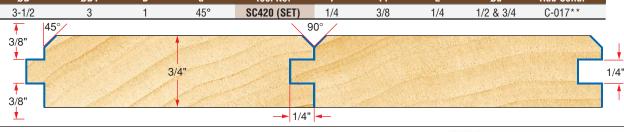


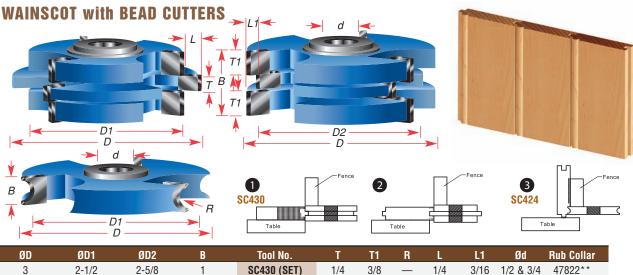




WAINSCOT/PANELING CUTTERS BY LONNIE BIRD FOR 3/4" MATERIAL







3	2-11/16		//16	SC424	1/16	5/16	5/32	 	1/2 & 3/4	C-019**	_
3/8"	7/16" 5/16" — 1/16'			3/16"		R 5/32"	₩.				
<u> </u>		3/4	n								1/4"
3/8"		•		1/16"	de la companya de la			THE ST	For	rub collars &	bushings









D

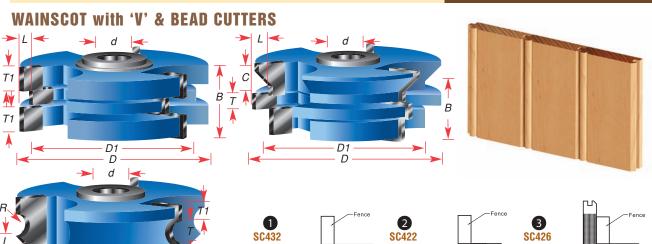






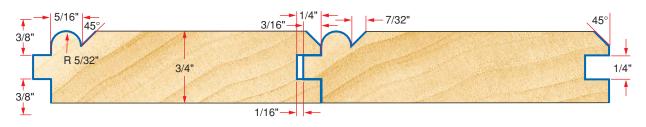


WAINSCOT/PANELING CUTTERS BY LONNIE BIRD FOR 3/4" MATERIAL



ØD	ØD1	В	a°	Tool No.	T	T1	R	L	Ød	Rub Collar
3	2-5/8	1	_	SC432	1/4	3/8	_	3/16	1/2 & 3/4	47822**
3	2-1/2	1	45°	SC422	3/8	1/4	_	1/4	1/2 & 3/4	C-017**
2-13/16	2-3/8	25/32	45°	SC426	5/16	1/4	5/32	7/32	1/2 & 3/4	C-017**

Table











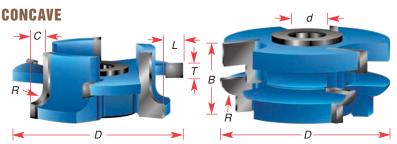






3 WING STILE & RAIL CABINET DOOR CUTTER SETS FOR 3/4"





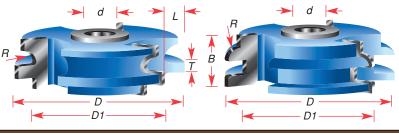
ØD	C	В	T	L	Tool No.	R	Ød	Rub Collar
2-7/16	1/4	1	1/4	7/16	SC440	1/4	1/2 & 3/4	C-009**
3-9/16	1/4	1	1/4	7/16	SC540	1/4	1 & 1-1/4	C-019, C-021***





3 WING STILE & RAIL EASED EDGE SET



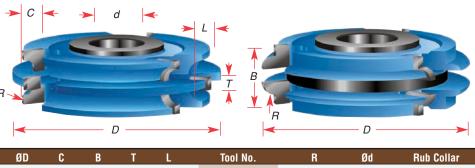


ØD	ØD1	В	T	L	Tool No.	R	Ød	Rub Collar
3	2-9/32	3/4	1/4	11/32	SC441	1/4	1/2 & 3/4	C-014**





CONCAVE

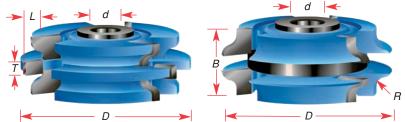


1 -			_				D	-1
ØD	C	В	T	L	Tool No.	R	Ød	Rub Collar
3-9/16	1/4	1	1/4	7/16	SC550	13/64	1 & 1-1/4	C-019, C-021***





OGEE



ØD	В	T	L	Tool No.	R	Ød	Rub Collar
2-11/16	1	1/4	7/16	SC444	1/8	1/2 & 3/4	C-007, C-012***
3-9/16	1-1/16	1/4	7/16	SC544	1/8	1 & 1-1/4	C-019, C-021***







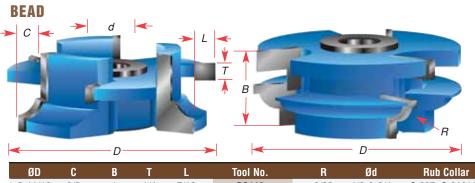








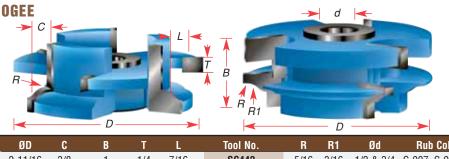
STILE & RAIL CABINET DOOR CUTTER SETS FOR 3/4" MATERIAL



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		Miller
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ØD	C	В	T	L	Tool No.	R	R1	Ød	Rub Collar
2-11/16	3/8	1	1/4	7/16	SC442	5/16	3/16	1/2 & 3/4	C-007, C-010***
3-9/16	3/8	15/16	1/4	7/16	SC542	1/4	3/16	1 & 1-1/4	C-019. C-020***

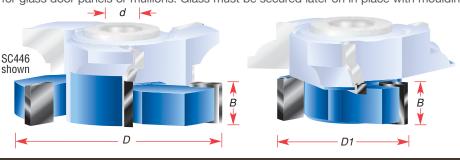




GLASS DOOR & MULLION FOR SC442 AND SC446



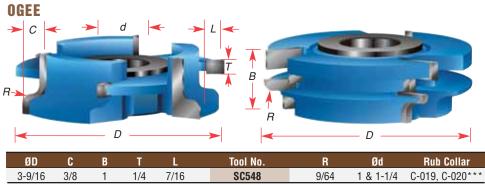
Used in conjuction with cutter SC442 and SC446 to make rabbets for the back of doors for glass door panels or mullions. Glass must be secured later on in place with moulding.



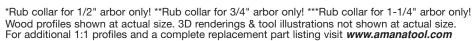
	SC442 (TOP)
	SC445 (ВОТТОМ)



ØD	ØD1	Tool No.	В	Ød
2-7/8	1-13/16	SC445	1/2	3/4













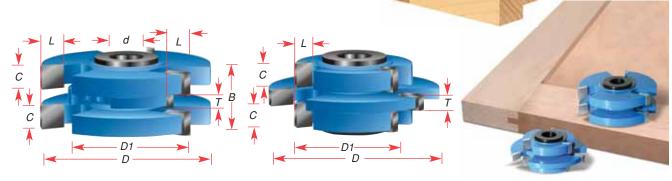
Profiling





TONGUE & GROOVE CABINET DOOR CUTTER SET

MISSION STYLE - SHAKER AND ARTS & CRAFTS



	ØD	ØD1	В	C	T	L	Tool No.	Ød	Rub Collar	For Material
	2-3/4	1-7/8	1	3/8	1/4	7/16	SC554	1/2 & 3/4	C-008**	1
	3-3/8	2-1/2	1-1/8	7/16	1/4	7/16	SC556	1 & 1-1/4	C-017***	1-1/8
Neu	2-3/4	1-7/8	1-3/4	11/16	3/8	7/16	SC558	1/2 & 3/4	C-008**	1-1/2 & 1-3/4
Neu	3-1/4	2-3/8	1-3/4	11/16	3/8	7/16	SC557	1 & 1-1/4	C-041***	1-1/2 & 1-3/4
Nen	3-1/2	2-1/2	2-1/8	13/16	1/2	1/2	SC559	1 & 1-1/4	C-017***	1-7/8 & 2-1/8





ADJUSTABLE TONGUE & GROOVE CABINET DOOR CUTTER SET

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

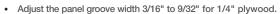
MISSION STYLE

SHAKER AND ARTS & CRAFTS

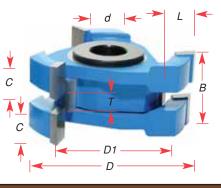


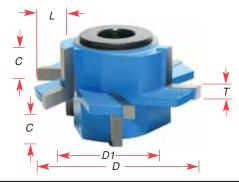


 Designed to cut precise grooves to provide undersized plywood veneered panels with a snug rattle free fit.

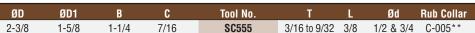


• 5.5mm for undersized 1/4" plywood and 5.9mm for oversized 1/4" veneered plywood.



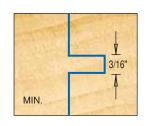


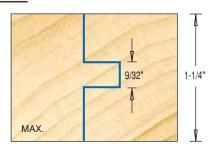




















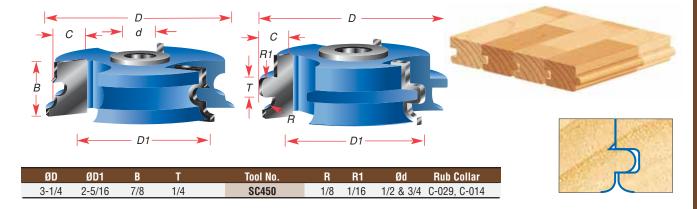




FLOORING SET WITH NAIL SLOT FOR

5/8"- 3/4" MATERIAL

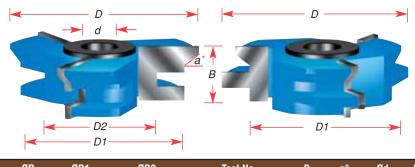
New



'V' PANELING 2 PIECE CUTTER SETS

'V' PANELING 2 PIECE SET

WITH 1/4"W X 3/8"D TONGUE & GROOVE

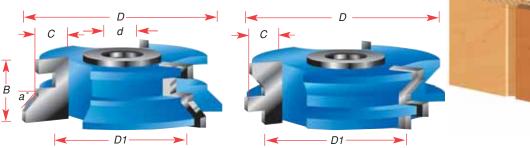


ØD	ØD1	ØD2	Tool No.	В	a°	Ød	Rub Collar	
2-5/8	2-1/4	1-1/2	938	29/32	45°	1/2 & 3/4	C-008**	



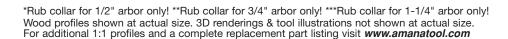


1/2 'V' PANELING CUTTER SET



ØD	ØD1	В	C	a°	Tool No.	Ød	Rub Collar	For Material
2-5/8	1-1/8	3/4	7/16	45°	SC640	1/2 & 3/4	C-006, C-011**	1/2
2-3/4	2	1	5/8	45°	SC642	1/2 & 3/4	C-010, C-043*	3/4
2-3/4	2	1-3/16	5/8	45°	SC644	1/2 & 3/4	C-010**	1















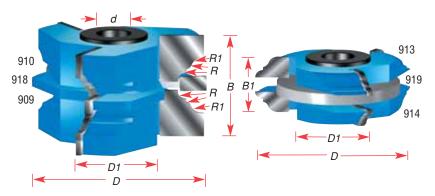


STILE & RAIL CABINET DOOR CUTTER SETS FOR

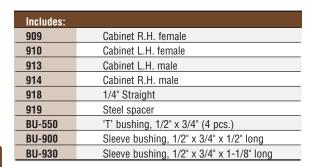
1"-1-3/4" MATERIAL

3/4" BORE WITH 1/2" BUSHINGS 3-WING

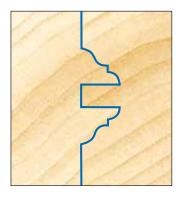
CABINET MOLDING SET
WITH 1/4"W X 3/8"D TONGUE & GROOVE



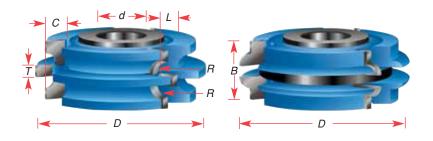
ØD	ØD1	В	B1	Tool No.	R	R1	Ød	Rub Collar
2-5/8	1-7/8	1-13/16	1	921	1/8	5/32	1/2 & 3/4	C-008**







CONCAVE



ØD	C	В	T	Tool No.	L	R	Ød	Rub Collar
2-7/8	1/4	1-3/16	1/4	SC460	7/16	15/64	1/2 & 3/4	C-009***
3-9/16	1/4	1-3/16	1/4	SC560	7/16	15/64	1 & 1-1/4	C-019***









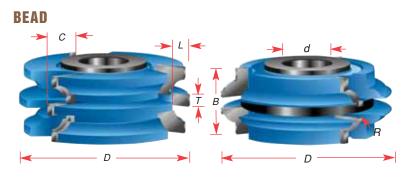








STILE & RAIL CABINET DOOR CUTTER SETS FOR

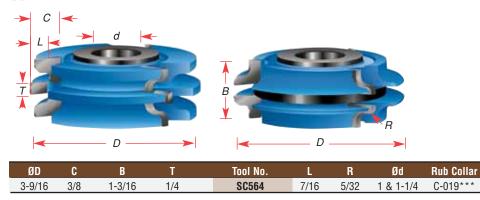


ØD	C	В	T	Tool No.	L	R	Ød	Rub Collar
3-9/16	3/8	1-3/8	1/4	SC562	7/16	9/32	1 & 1-1/4	C-019***





OGEE

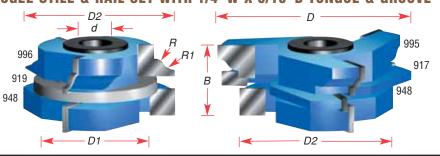






STILE & RAIL CABINET DOOR CUTTER SETS FOR 1-5/16" MATERIAL

OGEE STILE & RAIL SET WITH 1/4"W X 5/16"D TONGUE & GROOVE



ØD	D1	D2	В	Tool No.	R	R1	Ød	Rub Collar
3-1/8	1-7/8	2-1/2	1-5/16	994	3/16	5/32	1/2 & 3/4	C-008, C-016**

Includes:	
948	1/2" straight (2 pcs.)
917	1/4" straight
919	Steel spacer
995	Ogee stile
996	Rail for ogee stile
BU-550	'T' bushing, 1/2" x 3/4" (4 pcs.)
BU-910	Sleeve bushing, 1/2" x 3/4" x 3/4" long (2 pcs.)











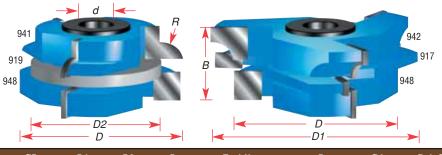






STILE & RAIL CABINET DOOR CUTTER SETS FOR 1-5/16" MATERIAL

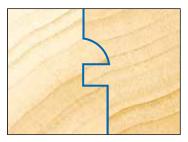
CONCAVE STILE & RAIL SET WITH 1/4"W X 5/16"D TONGUE & GROOVE



ØD	D1	D2	В	Tool No.	R	Ød	Rub Collar
2-1/2	1-7/8	3-1/8	1-17/64	940	5/16	1/2 & 3/4	C-008**, C-016**

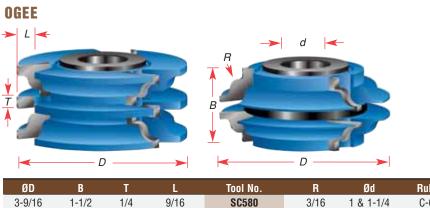
Includes:			
941	Concave stile	919	Steel spacer
942	Rail for concave stile	BU-550	'T' bushing, 1/2" x 3/4" (4 pcs.)
948	1/2" straight (2 pcs.)	BU-910	Sleeve bushing, 1/2" x 3/4" x 3/4" long (2 pcs.)
917	1/4" straight		



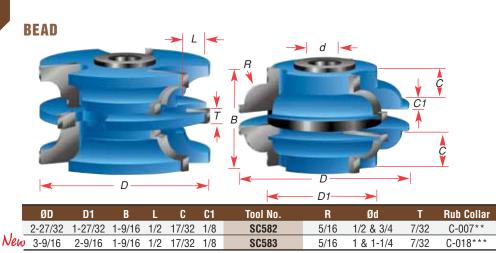


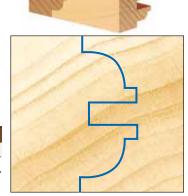
STILE & RAIL CABINET DOOR CUTTER SETS FOR 11-5

1-3/8" MATERIAL















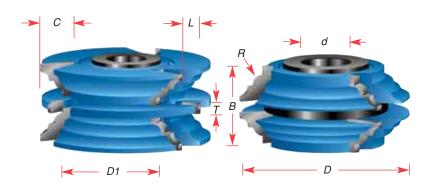






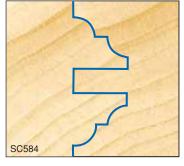
STILE & RAIL CABINET DOOR CUTTER SETS FOR 1-3/8" MATERIAL

BEAD & COVE

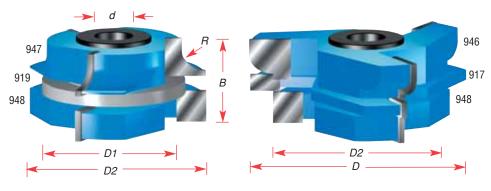


ØD	ØD1	C	В	T	Tool No.	L	R	Ød	Rub Collars
New 3-1/16	2-1/32	33/64	1-9/16	1/4	SC585	9/16	3/16	1/2 & 3/4	C-039**
3-9/16	_	7/8	1-5/8	1/4	SC584	9/16	13/64	1 & 1-1/4	C-018***

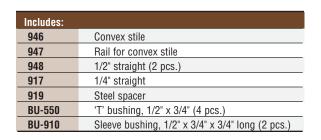


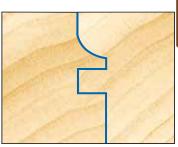


CONVEX STILE & RAIL SET WITH 1/4"W X 5/16"D TONGUE & GROOVE 3-WING



ØD	ØD1	ØD2	В	Tool No.	R	Ød	Rub Collars
3-1/8	1-7/8	2-1/2	1-23/64	945	5/16	1/2 & 3/4	C-008, C-016**











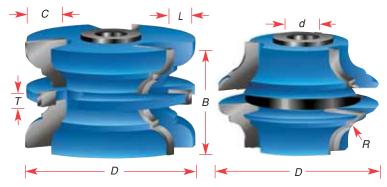






STILE & RAIL EXTERIOR DOOR CUTTER SETS FOR 1-3/4" MATERIAL

BEAD & COVE



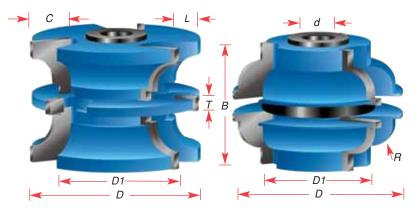
ØD	C	В	T	L	Tool No.	R	Ød	Rub Collar
2-7/8	1/2	1-3/4	1/4	1/2	SC590	21/64	1/2 & 3/4	C-008**



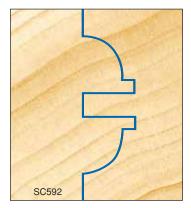


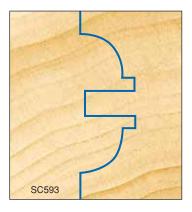
STILE & RAIL EXTERIOR DOOR CUTTER SETS FOR 1-3/4" - 2-1/8" MATERIAL

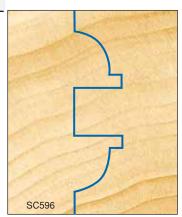
BEAD



	ØD	ØD1	C	В	T	L	Tool No.	R	Ød	Rub Collar
7.	2-7/8	13/16		2	., .	9/16	SC592	25/64	1/2 & 3/4	C-007**
	3-11/32						SC593	25/64	1 & 1-1/4	C-040***
Nen	3-17/32	2-17/32	1/2	2-1/8	1/2	1/2	SC596	25/64	1 & 1-1/4	C-018***









SHAPER CUTTERS













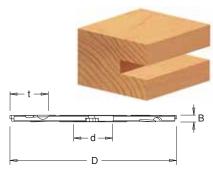






INSERT GROOVING CUTTER WITH SCORER 4-6MM

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Can be used with spacer rings for comb jointing.









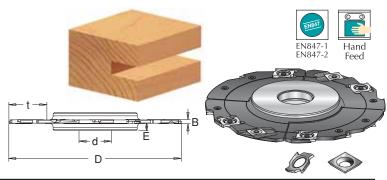




ØD	В	Teeth	Ød	Tool No.	Max. t	RPM	Repl. T	.C. Knife
125(5")	4(5/32")	4+4	1-1/4"	61451	35(1-3/8")	6,100-10,500	RCK-18	RCK-71
125(5")	5(3/16")	4+4	1-1/4"	61453	35(1-3/8")	6,100-10,500	RCK-19	RCK-71
125(5")	6(15/64")	4+4	1-1/4"	61454	35(1-3/8")	6,100-10,500	RCK-33	RCK-71
v 125(5")	(1/4")	4+4	1-1/4"	61466	35(1-3/8")	6,100-10,500	RCK-33	RCK-71
150(5-7/8")	4(5/32")	4+4	1-1/4"	61455	45(1-3/4")	5,200-8,900	RCK-18	RCK-71
150(5-7/8")	5(3/16")	4+4	1-1/4"	61456	45(1-3/4")	5,200-8,900	RCK-19	RCK-71
150(5-7/8")	6(15/64")	4+4	1-1/4"	61457	45(1-3/4")	5,200-8,900	RCK-33	RCK-71
180(7-1/16")	4(5/32")	8+8	1-1/4"	61458	55(2-5/32")	4,200-7,200	RCK-18	RCK-71
180(7-1/16")	5(3/16")	8+8	1-1/4"	61459	55(2-5/32")	4,200-7,200	RCK-19	RCK-71
180(7-1/16")	6(15/64")	8+8	1-1/4"	61461	55(2-5/32")	4,200-7,200	RCK-33	RCK-71
	125(5") 125(5") 125(5") 125(5") 150(5-7/8") 150(5-7/8") 150(5-7/8") 180(7-1/16")	125(5") 4(5/32") 125(5") 5(3/16") 125(5") 6(15/64") 125(5") (1/4") 150(5-7/8") 4(5/32") 150(5-7/8") 5(3/16") 150(5-7/8") 6(15/64") 180(7-1/16") 4(5/32") 180(7-1/16") 5(3/16")	125(5") 4(5/32") 4+4 125(5") 5(3/16") 4+4 125(5") 6(15/64") 4+4 125(5") (1/4") 4+4 150(5-7/8") 4(5/32") 4+4 150(5-7/8") 5(3/16") 4+4 150(5-7/8") 6(15/64") 4+4 180(7-1/16") 4(5/32") 8+8 180(7-1/16") 5(3/16") 8+8	125(5") 4(5/32") 4+4 1-1/4" 125(5") 5(3/16") 4+4 1-1/4" 125(5") 6(15/64") 4+4 1-1/4" 125(5") (1/4") 4+4 1-1/4" 150(5-7/8") 4(5/32") 4+4 1-1/4" 150(5-7/8") 5(3/16") 4+4 1-1/4" 150(5-7/8") 6(15/64") 4+4 1-1/4" 180(7-1/16") 4(5/32") 8+8 1-1/4"	125(5") 4(5/32") 4+4 1-1/4" 61451 125(5") 5(3/16") 4+4 1-1/4" 61453 125(5") 6(15/64") 4+4 1-1/4" 61454 125(5") 6(15/64") 4+4 1-1/4" 61466 150(5-7/8") 4(5/32") 4+4 1-1/4" 61455 150(5-7/8") 5(3/16") 4+4 1-1/4" 61456 150(5-7/8") 6(15/64") 4+4 1-1/4" 61457 180(7-1/16") 4(5/32") 8+8 1-1/4" 61458 180(7-1/16") 5(3/16") 8+8 1-1/4" 61459	125(5") 4(5/32") 4+4 1-1/4" 61451 35(1-3/8") 125(5") 5(3/16") 4+4 1-1/4" 61453 35(1-3/8") 125(5") 6(15/64") 4+4 1-1/4" 61454 35(1-3/8") v 125(5") (1/4") 4+4 1-1/4" 61466 35(1-3/8") 150(5-7/8") 4(5/32") 4+4 1-1/4" 61455 45(1-3/4") 150(5-7/8") 5(3/16") 4+4 1-1/4" 61456 45(1-3/4") 150(5-7/8") 6(15/64") 4+4 1-1/4" 61457 45(1-3/4") 180(7-1/16") 4(5/32") 8+8 1-1/4" 61458 55(2-5/32") 180(7-1/16") 5(3/16") 8+8 1-1/4" 61459 55(2-5/32")	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ØD B Teeth Ød Tool No. Max. t RPM Repl. T 125(5") 4(5/32") 4+4 1-1/4" 61451 35(1-3/8") 6,100-10,500 RCK-18 125(5") 5(3/16") 4+4 1-1/4" 61453 35(1-3/8") 6,100-10,500 RCK-19 125(5") 6(15/64") 4+4 1-1/4" 61454 35(1-3/8") 6,100-10,500 RCK-33 125(5") (1/4") 4+4 1-1/4" 61466 35(1-3/8") 6,100-10,500 RCK-33 150(5-7/8") 4(5/32") 4+4 1-1/4" 61455 45(1-3/4") 5,200-8,900 RCK-18 150(5-7/8") 5(3/16") 4+4 1-1/4" 61456 45(1-3/4") 5,200-8,900 RCK-19 150(5-7/8") 5(3/16") 4+4 1-1/4" 61456 45(1-3/4") 5,200-8,900 RCK-33 180(7-1/16") 4(5/32") 8+8 1-1/4" 61457 45(1-3/4") 5,200-8,900 RCK-33 180(7-1/16") 4(5/32") <t< th=""></t<>

INSERT ADJUSTABLE GROOVING **CUTTER WITH SCORER 4-7.5MM**

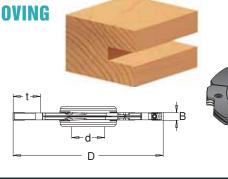
Hard wearing steel body complete with tungsten carbide knives & scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.



ØD	В	Teeth	E	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
160(6-5/16")	4.0-7.5(5/32-19/64")	8+4	6.35(1/4")	61350	1-1/4"	30(1-3/16")	4,800-8,300	RCK-18 RCK-71
180(7-1/16")	4.0-7.5(5/32-19/64")	8+4	6.35(1/4")	61352	1-1/4"	40(1-1/2")	4,300-7,500	RCK-18 RCK-71

3 PART INSERT ADJUSTABLE GROOVING CUTTER WITH SCORER 4-15.5MM

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.





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ØD	В	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
150(5-7/8")	4.0-15.5(5/32"-5/8")	2+4+4	61354	1-1/4"	45(1-3/4")	5,500-8,500	AMA-17 RCK-18 RCK-71













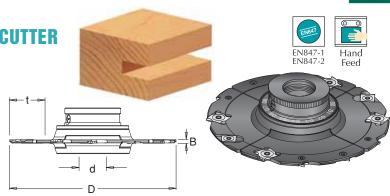






INSERT ADJUSTABLE GROOVING CUTTER WITH SCORER AND RING NUT

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm steps by special threaded bushing and scale without removing the cutter from the spindle.



WITH SCORER AND RING NUT 4-7.5MM





ØD	В	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
130(5-1/8")	4.0-7.5(5/32"-19/64")	8+4	61330	1-1/4"	20(7/8")	5,900-9,800	RCK-18 RCK-71
160(6-5/16")	4.0-7.5(5/32"-19/64")	8+4	61345	1-1/4"	30(1-3/16")	4,800-8,300	RCK-18 RCK-71
180(7-1/16")	4.0-7.5(5/32"-19/64")	8+4	61346	1-1/4"	40(1-1/2")	4,300-7,500	RCK-18 RCK-71

WITH SCORER AND RING NUT 8-24MM

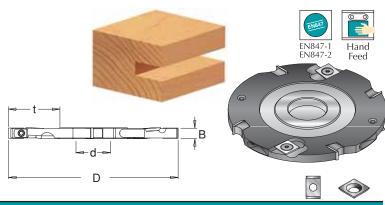




ØD	В	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
160(6-5/16")	8.0-15.0(5/16-19/32")	4+4	61340	1-1/4"	30(1-3/16")	4,800-8,300	AMA-17 RCK-70
160(6-5/16")	12.5-24.0(1/2-15/16")	4+4	61342	1-1/4"	30(1-3/16")	4,800-8,300	AMA-19 RCK-70
180(7-1/16")	8.0-15.0(5/16-19/32")	4+4	61343	1-1/4"	40(1-1/2")	4,300-7,500	AMA-17 RCK-70
180(7-1/16")	12.5-24.0(1/2-15/16")	4+4	61344	1-1/4"	40(1-1/2")	4,300-7,500	AMA-19 RCK-70

INSERT GROOVING CUTTER WITH SCORER 8-12MM

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder.



	ØD	В	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
	125(5")	8(5/16")	4+4	61411	1-1/4"	35(1-3/8")	6,100-10,500	AMA-17 RCK-70
_	125(5")	10(13/32")	4+4	61412	1-1/4"	35(1-3/8")	6,100-10,500	AMA-18 RCK-70
	125(5")	12(15/32")	4+4	61413	1-1/4"	35(1-3/8")	6,100-10,500	AMA-19 RCK-70
Ne	ິພ 125(5")	(1/2")	4+4	61422	1-1/4"	35(1-3/8")	6,100-10,500	AMA-12 RCK-70
	150(5-7/8")	8(5/16")	4+4	61414	1-1/4"	45(1-3/4")	5,200-8,900	AMA-17 RCK-70
	150(5-7/8")	10(13/32")	4+4	61415	1-1/4"	45(1-3/4")	5,200-8,900	AMA-18 RCK-70
	150(5-7/8")	12(15/32")	4+4	61416	1-1/4"	45(1-3/4")	5,200-8,900	AMA-19 RCK-70
	180(7-1/16")	8(5/16")	4+8	61417	1-1/4"	55(2-5/32")	4,200-7,200	AMA-17 RCK-70
	180(7-1/16")	10(13/32")	4+8	61418	1-1/4"	55(2-5/32")	4,200-7,200	AMA-18 RCK-70
	180(7-1/16")	12(15/32")	4+8	61419	1-1/4"	55(2-5/32")	4,200-7,200	AMA-19 RCK-70













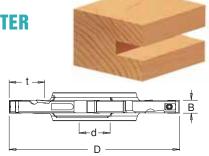






INSERT ADJUSTABLE GROOVING CUTTER WITH SCORER 8-24MM

Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.









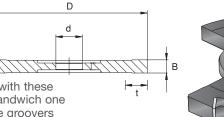




ØD	В	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
160(6-5/16")	8.0-15.0(5/16"-19/32")	4+4	61360	1-1/4"	30(1-3/16")	4,800-8,300	AMA-17 RCK-70
160(6-5/16")	12.5-24.0(1/2"-15/16")	4+4	61362	1-1/4"	30(1-3/16")	4,800-8,300	AMA-19 RCK-70
180(7-1/16")	8.0-15.0(5/16"-19/32")	4+4	61364	1-1/4"	30(1-3/16")	4,300-7,500	AMA-17 RCK-70
180(7-1/16")	12.5-24.0(1/2"-15/16")	4+4	61366	1-1/4"	30(1-3/16")	4,300-7,500	AMA-19 RCK-70

INTERMEDIATE STACKABLE CUTTER 7MM, 15MM AND 20MM KERFS

Expand the range of the shim-type adjustable groovers with these intermediate cutters. Works like a stackable dado set: sandwich one or more of the intermediate cutters between a pair of the groovers (model #'s 61350, 61360, 61362). Find the coarse groove width by stacking the appropriate selection of cutters on the shaper spindle, and fine-tune the width by shimming the outside groovers.



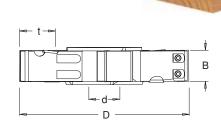


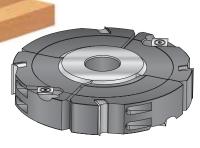


ØD	В	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
160(6-5/16")	7(9/32")	2	61384	1-1/4"	30(1-3/16")	4,800-8,300	AMA-17
160(6-5/16")	15(19/32")	2	61386	1-1/4"	30(1-3/16")	4,800-8,300	ICK-15
180(7-1/16")	20(25/32")	2	61388	1-1/4"	30(1-3/16")	4,300-7,500	ICK-20

INSERT ADJUSTABLE GROOVING AND RABBETING CUTTER WITH SCORER 20.6-100MM

Hard wearing steel body complete with tungsten carbide knives & scorer for improved finish. Suitable for producing various thickness grooves and rabbets in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.





FN847-1

EN847-2

Hand

В	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
20.6-40(13/16-19/16")	4+4	61355	1-1/4"	40(1-1/2")	4,800-8,000	ICK-20 RCK-70
30.6-60(1-7/32-2-3/8")	4+4	61356	1-1/4"	40(1-1/2")	4,800-8,000	RCK-30 RCK-70
50.6-100(2"-3-15/16")	4+4	61357	1-1/4"	40(1-1/2")	4,800-8,000	ICK-50 RCK-70
20.6-40(13/16-19/16")	4+4	61358	1-1/4"	50(2")	4,000-6,500	ICK-20 RCK-70
30.6-60(1-7/32-2-3/8")	4+4	61359	1-1/4"	50(2")	4,000-6,500	RCK-30 RCK-70
50.6-100(2"-3-15/16")	4+4	61361	1-1/4"	50(2")	4,000-6,500	ICK-50 RCK-70
	20.6-40(13/16-19/16") 30.6-60(1-7/32-2-3/8") 50.6-100(2"-3-15/16") 20.6-40(13/16-19/16") 30.6-60(1-7/32-2-3/8")	20.6-40(13/16-19/16") 4+4 30.6-60(1-7/32-2-3/8") 4+4 50.6-100(2"-3-15/16") 4+4 20.6-40(13/16-19/16") 4+4 30.6-60(1-7/32-2-3/8") 4+4	20.6-40(13/16-19/16") 4+4 61355 30.6-60(1-7/32-2-3/8") 4+4 61356 50.6-100(2"-3-15/16") 4+4 61357 20.6-40(13/16-19/16") 4+4 61358 30.6-60(1-7/32-2-3/8") 4+4 61359	20.6-40(13/16-19/16") 4+4 61355 1-1/4" 30.6-60(1-7/32-2-3/8") 4+4 61356 1-1/4" 50.6-100(2"-3-15/16") 4+4 61357 1-1/4" 20.6-40(13/16-19/16") 4+4 61358 1-1/4" 30.6-60(1-7/32-2-3/8") 4+4 61359 1-1/4"	20.6-40(13/16-19/16") 4+4 61355 1-1/4" 40(1-1/2") 30.6-60(1-7/32-2-3/8") 4+4 61356 1-1/4" 40(1-1/2") 50.6-100(2"-3-15/16") 4+4 61357 1-1/4" 40(1-1/2") 20.6-40(13/16-19/16") 4+4 61358 1-1/4" 50(2") 30.6-60(1-7/32-2-3/8") 4+4 61359 1-1/4" 50(2")	20.6-40(13/16-19/16") 4+4 61355 1-1/4" 40(1-1/2") 4,800-8,000 30.6-60(1-7/32-2-3/8") 4+4 61356 1-1/4" 40(1-1/2") 4,800-8,000 50.6-100(2"-3-15/16") 4+4 61357 1-1/4" 40(1-1/2") 4,800-8,000 20.6-40(13/16-19/16") 4+4 61358 1-1/4" 50(2") 4,000-6,500 30.6-60(1-7/32-2-3/8") 4+4 61359 1-1/4" 50(2") 4,000-6,500















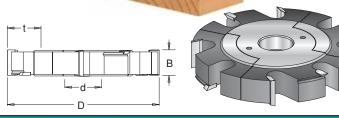


Steel

Hand Feed

CARBIDE TIPPED ADJUSTABLE GROOVING AND **RABBETING CUTTERS WITH SCORER 25-49.5MM**

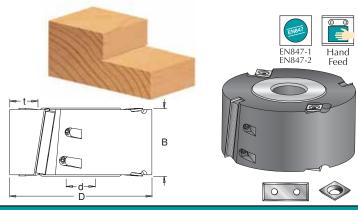
Hard wearing steel body complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness grooves and rabbets in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.



ØD	В	Teeth	Tool No.	Ød	Max. t	RPM
150(5-7/8")	25.0-49.5(1"-1-15/16")	4+4	61367	1-1/4"	27(1-1/16")	5,200-9,000

INSERT SHEAR RABBETING CUTTER

Cutterhead bodies available in hard wearing aluminum or steel, complete with shear angle tungsten carbide knives and scorer. Suitable for producing various thickness rabbets in softwood, hardwood and man-made boards (with or without coating) on a spindle molder. Shear angle reduces tear out and improves quality of cut.

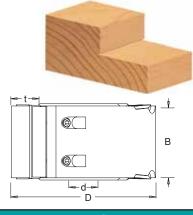


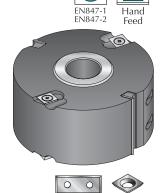
В	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
30(1-3/16")	4+4	61480	1-1/4"	27(1-1/16")	6,100-10,300	RCK-30 RCK-70
50(2")	4+4	61482	1-1/4"	27(1-1/16")	6,100-10,300	ICK-50 RCK-70
60(2-3/8")	2+4	* 61484	1-1/4"	27(1-1/16")	6,100-10,300	ICK-60 RCK-70
60(2-3/8")	2+4	* 61485	1-1/4"	40(1-1/2")	5,200-8,600	ICK-60 RCK-70
	50(2") 60(2-3/8")	30(1-3/16") 4+4 50(2") 4+4 60(2-3/8") 2+4	30(1-3/16") 4+4 61480 50(2") 4+4 61482 60(2-3/8") 2+4 * 61484	30(1-3/16") 4+4 61480 1-1/4" 50(2") 4+4 61482 1-1/4" 60(2-3/8") 2+4 * 61484 1-1/4"	30(1-3/16") 4+4 61480 1-1/4" 27(1-1/16") 50(2") 4+4 61482 1-1/4" 27(1-1/16") 60(2-3/8") 2+4 * 61484 1-1/4" 27(1-1/16")	30(1-3/16") 4+4 61480 1-1/4" 27(1-1/16") 6,100-10,300 50(2") 4+4 61482 1-1/4" 27(1-1/16") 6,100-10,300 60(2-3/8") 2+4 * 61484 1-1/4" 27(1-1/16") 6,100-10,300



INSERT RABBETING CUTTER

Cutterhead bodies available in hard wearing aluminum or steel, complete with tungsten carbide knives and scorer for improved finish. Suitable for producing various thickness rabbets in softwood, hardwood and man-made boards (with or without coating) on a spindle molder.





ØD	В	Teeth	Tool No.	Ød	Max. t	RPM	Repl. T.C. Knife
85(3-3/8")	50(2")	2+4	61463	1-1/4"	8(5/16")	9,000-15,000	RCK-50RCK-70
90(3-9/16")	40(1-1/2")	2+4	* 61464	1-1/4"	15(19/32")	8,500-12,000	RCK-40RCK-70
100(4")	30(1-3/16")	2+4	* 61460	1-1/4"	20(7/8")	7,600-12,900	RCK-30RCK-70
100(4")	50(2")	2+4	* 61462	1-1/4"	20(7/8")	7,600-12,900	RCK-50RCK-70
125(5")	30(1-3/16")	2+4	61470	1-1/4"	30(1-3/16")	6,100-10,000	RCK-30RCK-70
125(5")	50(2")	2+4	61472	1-1/4"	30(1-3/16")	6,100-10,000	RCK-50RCK-70
125(5")	50(2")	2+4	* 61465	1-1/4"	30(1-3/16")	6,100-10,000	RCK-50RCK-70
125(5")	60(2-3/8")	2+4	61467	1-1/4"	30(1-3/16")	6,100-10,000	ICK-60RCK-70















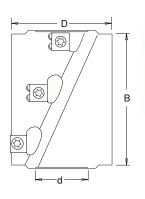


ALU



INSERT SPIRAL JOINTING CUTTER





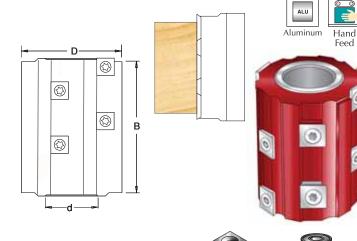


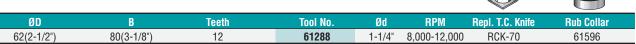
Hard wearing aluminum body complete with spiral positioned tungsten carbide knives. Suitable for planing and jointing in softwood, hardwood and man-made boards on a spindle molder. Can be used with a bearing guide and ring fence for planing and routing curved work pieces with a template.

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ØD	В	Teeth	Tool No.	Ød	RPM	Repl. T.C. Knife	Rub Collar	
62(2-1/2")	80(3-1/8")	12	61292	1-1/4"	8,000-12,000	RCK-70	61596	

INSERT JOINTING CUTTER

Hard wearing aluminum body complete with positioned tungsten carbide knives. Suitable for planing and jointing in softwood, hardwood and man-made boards on a spindle molder. Can be used with a bearing guide and ring fence for planing and routing curved work pieces with a template.



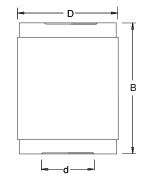


SANDING DRUM



For sanding rough workpieces by means of template under use of a ball bearing as a rub collar.

Abrasive Material = AB61293 (9"x3")





ØD	В	Ød	Tool No.	RPM	Abrasive Replacement	Rub Collar
60(2-3/8")	100(4")	1-1/4"	61293	4,500	AB61293	61596













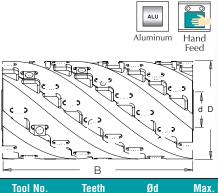


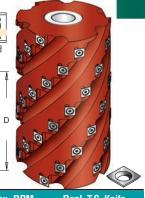


ROUGHING SPIRAL PLANER

Hard wearing aluminum body complete with positioned tungsten carbide knives. Suitable to remove large volumes of all types of wood with a high feed rate.





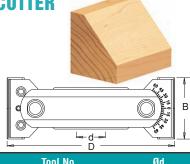


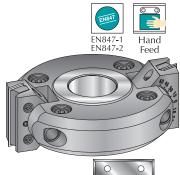
ØD	В	Flutes	Tool No.	Teeth	Ød	Max. RPM	Repl. T.C. Knife
125(5")	80(3-1/8")	6	61282	18	1-1/4"	9,000	HCK-70
125(5")	100(4")	6	61283	24	1-1/4"	9,000	HCK-70
125(5")	130(5-1/8")	6	61284	30	1-1/4"	9,000	HCK-70
125(5")	190(7-1/2")	6	61285	45	1-1/4"	9,000	HCK-70
125(5")	210(8-1/4")	6	61286	48	1-1/4"	9,000	HCK-70
125(5")	240(9-1/2")	6	61287	54	1-1/4"	9,000	HCK-70
80-200	20-250	6	Custom Design		30-50		

Replacement Torx® Screw #67154

INSERT ADJUSTABLE CHAMFER CUTTER

Cutterhead bodies available in hard wearing aluminum or steel, complete with tungsten carbide knives. Suitable for producing chamfer cuts at various angles in softwood, hardwood and man-made boards on a spindle molder. Cutting angle can be adjusted in 7.5° steps by using notched scale. Fine adjustment of 1° is also possible.





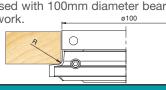
ØD	В	a°	Tool No.	Ød	RPM	Repl. T.C. Knife
110(4-11/32")	40(1-1/2")	-45.0° → +45.0°	61303	1-1/4"	7,000-9,000	RCK-40
120(4-3/4")	40(1-1/2")	-45.0° → +45.0°	* 61304	1-1/4"	6,000-8,500	RCK-40
130(5-1/8")	50(2")	-67.5° → +67.5°	61306	1-1/4"	5,000-8,500	ICK-50
150(5-7/8")	50(2")	-90.0° → +90.0°	61307	1-1/4"	5,100-7,400	ICK-50
160(6-1/4")	50(2")	-90.0° → +90.0°	† * 61310	1-1/4"	4,800-6,000	ICK-50

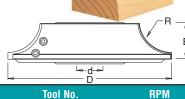
*Aluminum † Tool has special mechanism to enable fine tuning angle of 1°

INSERT ROUNDING OVER CUTTER

Hard wearing aluminum body complete with tungsten carbide knives. Suitable for rounding over softwood, hardwood and man-made boards on a spindle molder. Can be used with 100mm diameter bearing for









ØD	В	R	Ød	Tool No.	RPM	Repl. T.C. Knife	Rub Collar
120(4-3/4")	20(7/8")	3(1/8")	1-1/4"	61140	6,400-10,000	RCK-100	61613
120(4-3/4")	20(7/8")	4(5/32")	1-1/4"	61141	6,400-10,000	RCK-102	61613
120(4-3/4")	20(7/8")	5(3/16")	1-1/4"	61142	6,400-10,000	RCK-104	61613
120(4-3/4")	20(7/8")	6(1/4")	1-1/4"	61143	6,400-10,000	RCK-106	61613
120(4-3/4")	20(7/8")	8(5/16")	1-1/4"	61144	6,400-10,000	RCK-108	61613
120(4-3/4")	20(7/8")	10(13/32")	1-1/4"	61145	6,400-10,000	RCK-110	61613
130(5-1/8")	20(7/8")	15(19/32")	1-1/4"	61146	5,400-9,000	RCK-114	61613
140(5-1/2")	25(1")	20(7/8")	1-1/4"	61147	5,400-9,000	RCK-116	61613
150(5-7/8")	30(1-3/16")	25(1")	1-1/4"	61148	5,400-9,000	RCK-118	61613
160(6-1/4")	35(1-3/8")	30(1-3/16")	1-1/4"	61149	5,400-9,000	RCK-120	61613















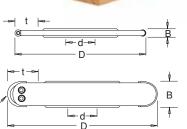




INSERT RADIUS PROFILE CUTTER

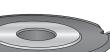
Cutterhead bodies in hard wearing aluminum or steel, complete with tungsten carbide knives. Suitable for producing various radii coves or rule joints in softwood, hardwood and man-made boards on a spindle molder. All cutterheads can be used with a 120mm bearing for cutting uniform depth profiles.

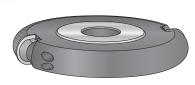














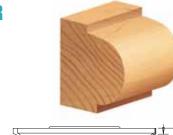


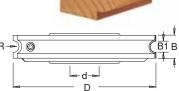
	ØD	В	R	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife	Rub Collar
12	26(5")	6(1/4")	3(1/8")	1-1/4"	61160	28(1-1/8")	4,500-10,600	RCK-121	61619
128(5-1/16")	8(5/16")	4(5/32")	1-1/4"	61161	29(1-5/32")	4,500-10,600	RCK-122	61619
130	(5-1/8")	10(13/32")	5(3/16")	1-1/4"	61162	30(1-3/16")	4,500-10,600	RCK-123	61619
132	(5-1/4")	12(15/32")	6(1/4")	1-1/4"	* 61163	31(1-1/4")	5,700-10,100	RCK-124	61619
136	(5-3/8")	16(5/8")	8(5/16")	1-1/4"	* 61164	33(1-5/16")	5,600-8,400	RCK-125	61619
140	(5-1/2")	20(7/8")	10(13/32")	1-1/4"	* 61165	35(1-3/8")	5,400-9,500	RCK-126	61619
144(5	5-11/16")	24(15/16")	12(15/32")	1-1/4"	* 61166	37(1-15/32")	5,300-9,200	RCK-127	61619
150	(5-7/8")	30(1-3/16")	15(19/32")	1-1/4"	* 61167	40(1-1/2")	5,000-8,900	RCK-128	61619
160	(6-1/4")	40(1-1/2")	20(7/8")	1-1/4"	* 61168	45(1-3/4")	4,700-8,000	RCK-129	61619
			<u> </u>			,			



INSERT BEADING PROFILE CUTTER

Cutterhead body in hard wearing aluminum complete with tungsten carbide knives. Suitable for producing beads of various radii in softwood, hardwood and man-made boards on a spindle molder.









EN847-2



Hand

|--|

ØD	В	B1	Tool No.	R	Ød	RPM	Repl. T.C. Knife
125(5")	15(19/32")	6(1/4")	61120	3(1/8")	1-1/4"	6,000-10,000	RCK-140
125(5")	15(19/32")	8(5/16")	61121	4(5/32")	1-1/4"	6,000-10,000	RCK-142
125(5")	20(7/8")	10(13/32")	61122	5(3/16")	1-1/4"	6,000-10,000	RCK-144
125(5")	20(7/8")	12(15/32")	61123	6(1/4")	1-1/4"	6,000-10,000	RCK-146
125(5")	30(1-3/16")	16(5/8")	61124	8(5/16")	1-1/4"	6,000-10,000	RCK-148
125(5")	30(1-3/16")	20(7/8")	61125	10(13/32")	1-1/4"	6,000-10,000	RCK-150
125(5")	30(1-3/16")	24(15/16")	61126	12(15/32")	1-1/4"	6,000-10,000	RCK-152
125(5")	40(1-1/2")	30(1-3/16")	61127	15(19/32")	1-1/4"	6,000-10,000	RCK-154
135(5-5/16")	50(2")	40(1-1/2")	61128	20(7/8")	1-1/4"	5,500-9,000	RCK-156











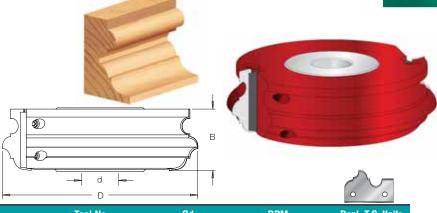




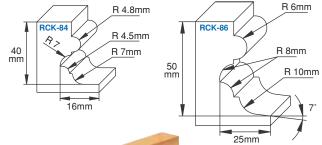


MULTI PROFILE CUTTER

Aluminum alloy heads with special multi-radii replaceable carbide knives. A very versatile cutter for moldings such as beads, corner rounds, classical or a combination of each. Multiple passes and depth settings will give even further combinations. Two different sizes available. Standard bore is 1-1/4". Includes 3mm T-Handle hex key.

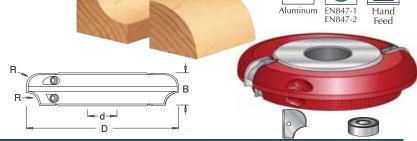


ØD	В	Tool No.	Ød	RPM	Repl. T.C. Knife
120(4-3/4")	40(1-1/2")	61276	1-1/4"	6,400-10,000	RCK-84
160(6-1/4")	50(2")	61280	1-1/4"	4,800-8,000	RCK-86



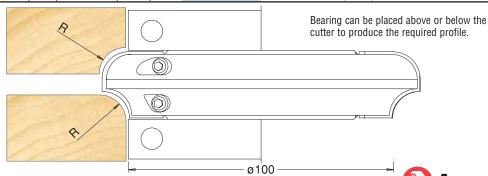
INSERT CORNER ROUND/COVE CUTTER

Cutterhead body in hard wearing aluminum, complete with tungsten carbide knives. Suitable for rounding over and producing matching cove joints in softwood, hardwood and man-made boards on a spindle molder. All cutterheads can be used with a 100mm bearing for cutting uniform depth profiles.



ALU

ØD	В	R	Tool No.	Ød	RPM	Repl. T.C. Knife	Rub Collar
106(4-3/16")	20(7/8")	3(1/8")	61312	1-1/4"	7,300-10,100	RCK-176	61613
110(4-11/32")	20(7/8")	5(3/16")	61314	1-1/4"	7,000-9,900	RCK-177	61613
112(4-7/16")	20(7/8")	6(1/4")	61316	1-1/4"	6,900-9,700	RCK-178	61613
116(4-9/16")	20(7/8")	8(5/16")	61318	1-1/4"	6,600-9,500	RCK-179	61613
120(4-3/4")	25(1")	10(13/32")	61320	1-1/4"	6,400-10,000	RCK-74	61613
124(4-7/8")	30(1-3/16")	12(15/32")	61324	1-1/4"	6,200-9,800	RCK-76	61613
130(5-1/8")	35(1-3/8")	15(19/32")	61326	1-1/4"	5,900-9,500	RCK-182	61613
140(5-1/2")	50(2")	20(7/8")	61327	1-1/4"	5,500-9,000	RCK-183	61613
150(5-7/8")	60(2-3/8")	25(1")	61328	1-1/4"	5,100-6,000	RCK-184	61613
153(6")	60(2-3/8")	≈ 30(1-3/16")	61329	1-1/4"	4,900-5,800	RCK-185	61613















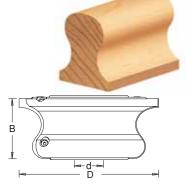






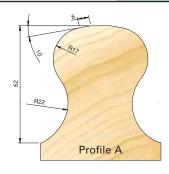
INSERT HANDRAIL CUTTER

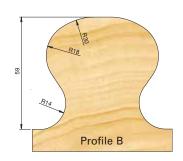
Cutterhead bodies in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing two different handrail profiles for stairs and banisters in solid softwood or hardwood on a spindle molder.





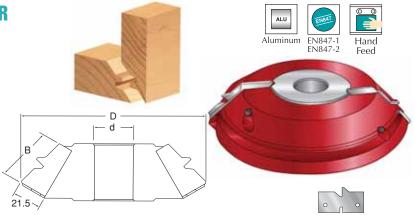
ØD	В	Profile	Tool No.	Ød	RPM	Repl. T.C. Knife
130(5-1/8")	73(2-7/8")	А	61130	1-1/4"	5,800-7,700	RCK-168
160(6-1/4")	73(2-7/8")	В	61132	1-1/4"	4,700-7,200	RCK-170



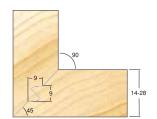


INSERT 45° LOCK MITER CUTTER

Hard wearing aluminum body complete with two tungsten carbide knives. Suitable for producing 45° lock miter joints in softwood, hardwood and man-made boards on a spindle molder. Can also be used for jointing horizontal pieces of timber.



ØD	В	d	Tool No.	RPM	Repl. T.C. Knife
170(6-11/16")	40(1-1/2")	1-1/4"	61290	5,500-10,000	RCK-90















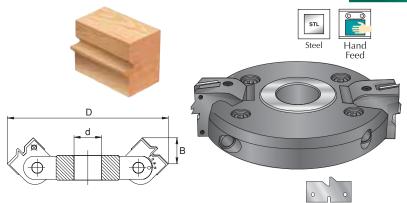






INSERT ADJUSTABLE LOCK MITER CUTTER

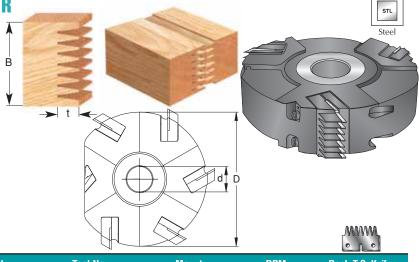
This tool cuts the 45° lock miter and other angles as well. It's the ideal cutter for joining polygon shapes, such as hexagons (6-sided) and octagons (8-sided). The cutter has a solid steel body with replaceable carbide knives. An exclusive adjustment system is used that features positive stops at 7.5° increments for precise indexing of angles.



ØD	В	a°	Tool No.	Ød	Max. RPM	Repl. T.C. Knife
170(6-11/16")	40(1-1/2")	-45° → +45	61298	1-1/4"	6,000	RCK-90

INSERT FINGER JOINT CUTTER

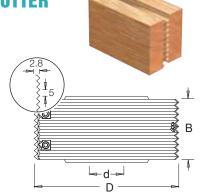
This stackable finger-jointing tool is an open-design cutter with no limitation on chip size. As such, it's a high-production, high-performance tool to be used only with an automatic or power feed. The tool features a 3-wing solid-steel cutterhead that takes replaceable carbide knives. Each cutter will cut up to 40mm high and 10mm deep. Stack two or more cutterheads on the spindle to increase the cut height capacity.



ØD	В	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife
170(6-11/16")	40(1-1/2")	1-1/4"	61270	10(13/32")	7,000	RCK-92

INSERT 'V' TYPE GLUE JOINT CUTTER

Cutterhead bodies in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing glue joints in softwood, hardwood and man-made boards on a spindle molder.









ØD	В	Ød	Tool No.	RPM	Repl. T.C. Knife
90(3-1/2")	50(2")	1-1/4"	61296	8,500-12,000	RCK-72
120(4-3/4")	50(2")	1-1/4"	61297	6.100-10.000	BCK-72













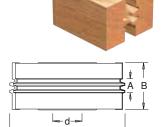






CARBIDE TIPPED GLUE JOINT CUTTER

Cutterhead bodies available in hard wearing steel, complete with tungsten carbide tips. Suitable for producing 'finger style' reversible glue joints in softwood, hardwood and manmade boards on a spindle molder.





Hand



ØD	В	A	Tool No.	Ød	RPM
125(5")	50(2")	15(19/32")	61070	1-1/4"	6,100-10,500

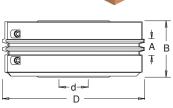
INSERT GLUE JOINT CUTTER

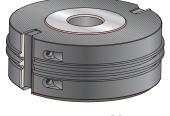
Cutterhead bodies in hard wearing steel and aluminum complete with tungsten carbide knives. Suitable for producing 'finger style' reversible glue joints in softwood, hardwood and man-made boards on a spindle molder.







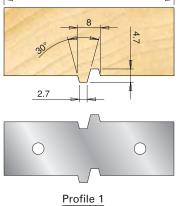






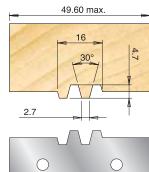
ØD	В	Profile	A	Tool No.	Ød	RPM	Repl. T.C. Knife
120(4-3/4")	60(2-3/8")	1	7.7(5/16")	* 61258	1-1/4"	6,500-9,500	RCK-83
140(5-1/2")	50(2")	2	15.4(5/8")	61264	1-1/4"	5,400-8,800	RCK-85
140(5-1/2")	60(2-3/8")	3	23.0(15/16")	61268	1-1/4"	5,400-8,800	RCK-87

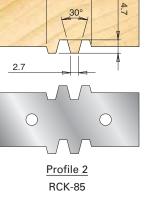


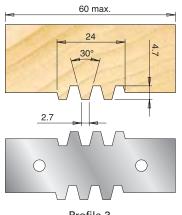


RCK-83

60 max.







Profile 3 RCK-87















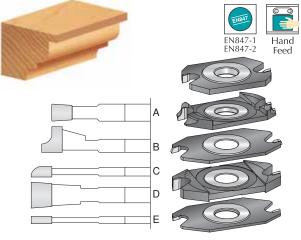






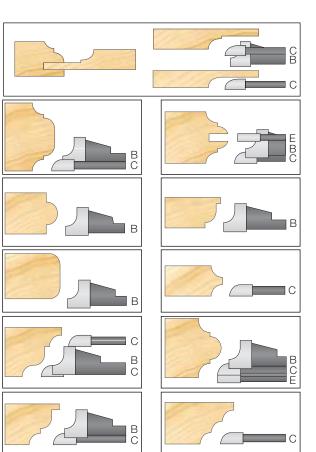
CARBIDE TIPPED MULTICUT SET

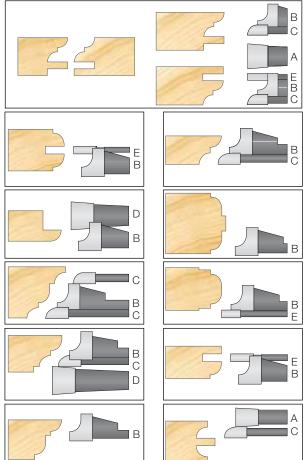
Five piece tungsten carbide tipped cutterhead set, complete with spacer rings. Suitable for producing multiple profiles, profile/counter profiles, in single or multiple passes in softwood, hardwood and man-made boards on a spindle molder.



ØD	Width	Tool No.	Cutter	Ød	RPM
Set of 5 cutters and dis	stance rings	61390	Set	1-1/4"	5,500-9,600
116(4-9/16")	10(13/32")	61391	Α	1-1/4"	5,500-9,600
128(5-1/16")	15(19/32")	61392	В	1-1/4"	5,500-9,600
140(5-1/2")	7(9/32")	61393	С	1-1/4"	5,500-9,600
140(5-1/2")	15(19/32")	61394	D	1-1/4"	5,500-9,600
140(5-1/2")	4(5/32")	61395	E	1-1/4"	5,500-9,600

Replacement Spacer Set use #55406.









Shaper Cutters









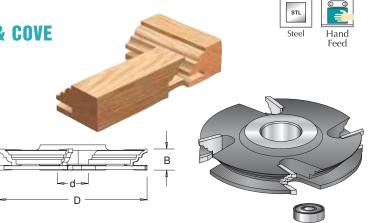




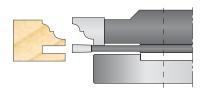


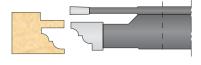
CARBIDE TIPPED PROFILE - BEAD & COVE 4-WING STILE & RAIL CUTTER SET

Two piece steel cutterhead set complete with four tungsten carbide tips. Suitable for producing complete 'stile and rail' joints in softwood, hardwood and man-made boards on a spindle molder. Reversing the cutters on the spindle molder (see illustration) makes both the stile and rail. Set comes with necessary washer and ball bearing guide.



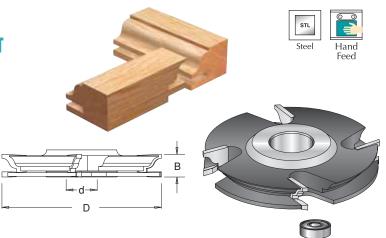
ØD	В	Tool No.	Ød	RPM	Repl. Rub Collar
125(5")	20(7/8")	61550	1-1/4"	6.100-10.500	61611



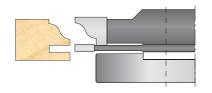


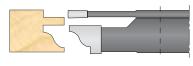
CARBIDE TIPPED PROFILE - OGEE 4-WING STILE & RAIL CUTTER SET

Two piece steel cutterhead set complete with four tungsten carbide tips. Suitable for producing complete 'stile and rail' joints in softwood, hardwood and man-made boards on a spindle molder. Reversing the cutters on the spindle molder (see illustration) makes both the stile and rail. Set comes with necessary washer and ball bearing guide.



ØD	В	Tool No.	Ød	RPM	Repl. Rub Collar
125(5")	20(7/8")	61560	1-1/4"	6,100-10,500	61611

















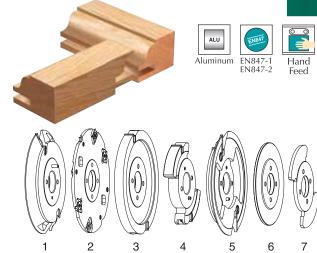




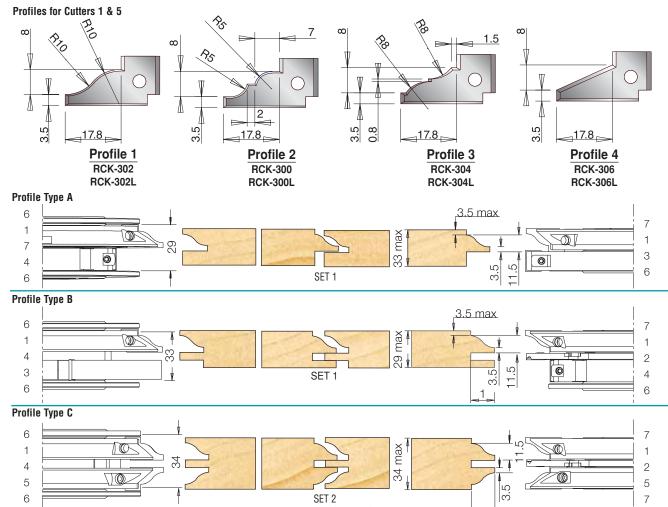


INSERT PROFILE - COUNTER/PROFILE CUTTER SET

Cutterhead set in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing various profile / counter profile joints in softwood, hardwood and man-made boards by using combinations of the supplied cutters.



Sets					1	2	3	4	5	6	7
ØD	Set No.	Cutters	Profile	Tool No.	Ød		В	Profile T	ype	RPIV	
150(5-7/8")	1	1,2,3,4,2x6,7	1	61750	1-1/4	20-3	5(5/8"-1-3/8")	A,B		5,000-9	,000
150(5-7/8")	1	1,2,3,4,2x6,7	2	61752	1-1/4	20-3	5(5/8"-1-3/8")	A,B		5,000-9	,000
150(5-7/8")	1	1,2,3,4,2x6,7	3	61754	1-1/4	20-3	5(5/8"-1-3/8")	A,B		5,000-9	,000
150(5-7/8")	1	1,2,3,4,2x6,7	4	61756	1-1/4	20-3	5(5/8"-1-3/8")	A,B		5,000-9	,000
150(5-7/8")	2	1,2,3,4,5,2x6,2x7	1	61758	1-1/4	20-3	5(5/8"-1-3/8")	A,B,C		5,000-9	,000
150(5-7/8")	2	1,2,3,4,5,2x6,2x7	2	61760	1-1/4	20-3	5(5/8"-1-3/8")	A,B,C		5,000-9	,000
150(5-7/8")	2	1,2,3,4,5,2x6,2x7	3	61762	1-1/4	20-3	5(5/8"-1-3/8")	A,B,C		5,000-9	,000
150(5-7/8")	2	1,2,3,4,5,2x6,2x7	4	61764	1-1/4	20-3	5(5/8"-1-3/8")	A,B,C		5,000-9	,000



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

For a complete replacement parts listing for the above cutters please refer to our website: www.amanatool.com

Amana Tool®

















INSERT RAISED PANEL CUTTER & BACKCUTTER

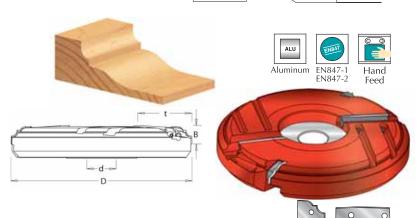
Cutterhead in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing raised panel profiles in softwood, hardwood and man-made boards on a spindle molder.



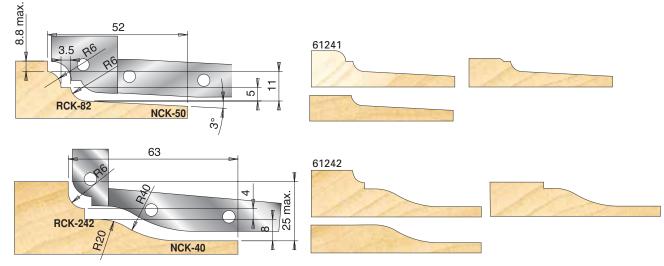
	180(7-1/16")	_	25(1")	1-1/4"	57(2-1/4")	61262	4,500-7,500	RCK-78	61599	Raised Panel
Ne	₩ 104(4-3/32")	5/16"	18(23/32")	1-1/4"	_	61265	7,600-10,000	RCK-132	_	Back Cutter
			ck cutter #61			Re	57	R #61265	#61262 \$.60	#61599 bear

INSERT RAISED PANEL CUTTER

Cutterheads in hard wearing aluminum, complete with two tungsten carbide knives and two scribes. Suitable for producing various raised panel profiles in softwood, hardwood and man-made boards. Raising or lowering the cutterhead on the spindle molder produces different profiles.



ØD	В	Teeth	Ød	Tool No.	Max. t	RPM	Repl. T.C	. Knife
200(7-7/8")	20(7/8")	2+2	1-1/4"	61241	52(2-1/16")	3,800-6,500	RCK-82	NCK-40
200(7-7/8")	24(15/16")	2+2	1-1/4"	61242	63(2-1/2")	3,800-6,500	RCK-242	NCK-50

















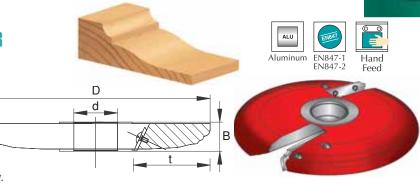




INSERT RAISED PANEL CUTTER

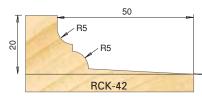
Three different carbide knife profiles for raised panels are available for this aluminum alloy cutterhead. Knives have two cutting edges each. In the standard package, the Traditional profile knives (No. RCK-42) are furnished with the cutterhead. Only a regular flat-blade screwdriver is required to change knives.

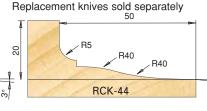
To cut the Ogee or Cove profiles, order the cutterhead and the desired knives separately.

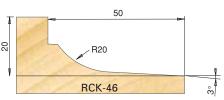


ØD	В	Teeth	Ød	Tool No.	Max. t	RPM			
160(6-1/4")	22(7/8")	2+2	1-1/4"	* 61260	50(2")	4,800-8,000			
*DCV_40 included									



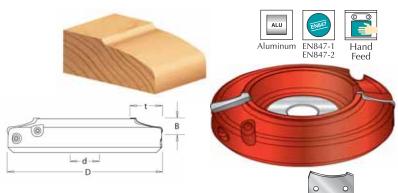




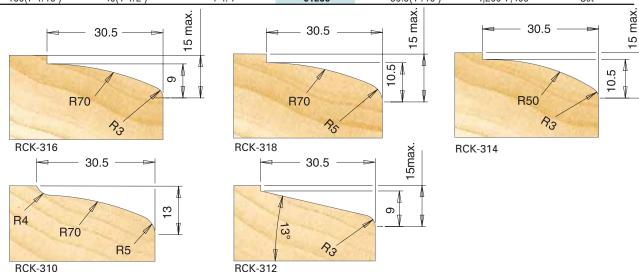


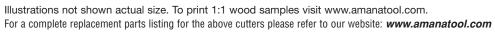
INSERT DOOR EDGE CUTTER

Cutterhead in hard wearing aluminum, complete with two tungsten carbide knives. Suitable for profiling door edges in softwood, hardwood and man-made boards on a spindle molder. Same tool body accepts all five different profiles.



ØD	В	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife
180(7-1/16")	40(1-1/2")	1-1/4"	61251	30.5(1-/16")	4,200-7,400	RCK-310
180(7-1/16")	40(1-1/2")	1-1/4"	61252	30.5(1-/16")	4,200-7,400	RCK-312
180(7-1/16")	40(1-1/2")	1-1/4"	61253	30.5(1-/16")	4,200-7,400	RCK-314
180(7-1/16")	40(1-1/2")	1-1/4"	61254	30.5(1-/16")	4,200-7,400	RCK-316
180(7-1/16")	40(1-1/2")	1-1/4"	61255	30.5(1-/16")	4,200-7,400	RCK-318
180(7-1/16")	40(1-1/2")	1-1/4"	61256	30.5(1-/16")	4,200-7,400	Set

















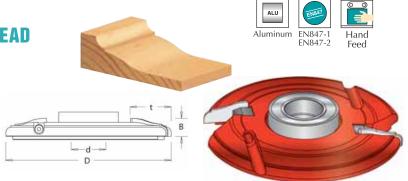






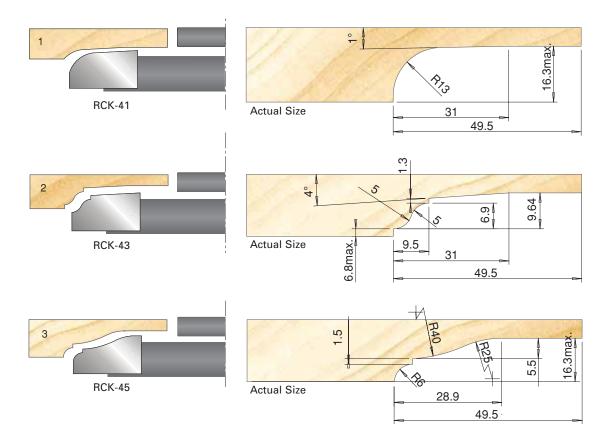
INSERT PANEL RAISED CUTTERHEAD

Cutterhead in hard wearing aluminum, complete with tungsten carbide knives. Suitable for producing various raised panel profiles in softwood, hardwood and manmade boards on a spindle molder. Same tool body accepts all three different profiles.



ØD	В	Profile	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife
156(6-5/32")	17(11/16")	1	1-1/4"	61170	49.5(2")	5,000-9,000	RCK-41
156(6-5/32")	17(11/16")	2	1-1/4"	61172	49.5(2")	5,000-9,000	RCK-43
156(6-5/32")	17(11/16")	3	1-1/4"	61174	49.5(2")	5,000-9,000	RCK-45
Set	17(11/16")	Set	1-1/4"	61173	49.5(2")	5,000-9,000	RCK-41, RCK-43, RCK-45

Note: Ball Bearing #61599 does not come with cutter, needs to be ordered separately.

















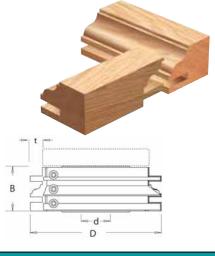






INSERT STILE & RAIL CUTTER

Cutterhead in hard wearing aluminum alloy with one-sided reversible tungsten carbide knives, utilizing the same knives for both stile and rail cuts by simply adjusting the spindle height of your shaper. Same tool body accepts all four different profiles. 3mm T-handle hex key included. To change profiles order individual knives separately. All patterns are designed for 7/8" through 1" thick materials.

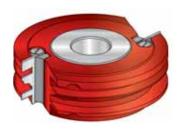






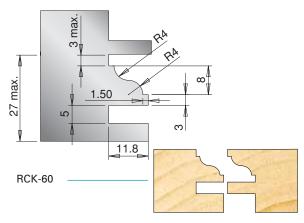
EN847-2

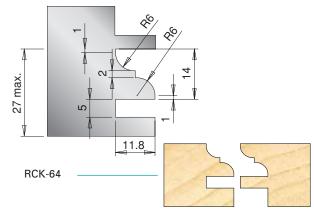


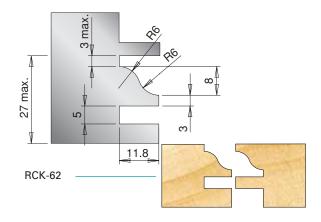


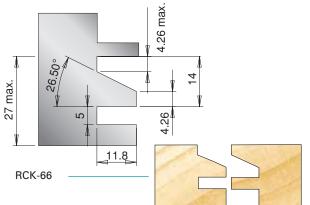


ØD	В	Teeth	Ød	Tool No.	Max. t	RPM	Repl. T.C. Knife
120(4-3/4")	40(1-1/2")	2	1-1/4"	61272	11.8(15/32")	6,400-8,400	RCK-60
120(4-3/4")	40(1-1/2")	2	1-1/4"	61273	11.8(15/32")	6,400-8,400	RCK-64
120(4-3/4")	40(1-1/2")	2	1-1/4"	61274	11.8(15/32")	6,400-8,400	RCK-62
120(4-3/4")	40(1-1/2")	2	1-1/4"	61275	11.8(15/32")	6,400-8,400	RCK-66









Amana Tool®













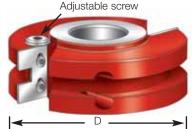


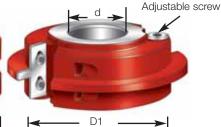
FLAT PANEL CABINET DOOR MAKING SET

ADJUSTABLE TONGUE & GROOVE **INSERT CUTTER SET**









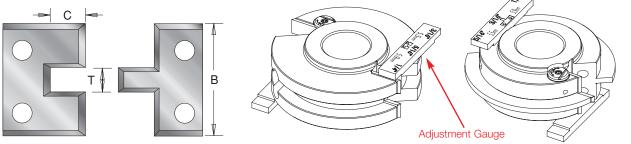
The perfect fix for undersized plywood flat panel "Mission Style, Arts & Crafts and Shaker" cabinet doors. Set includes unique adjustment system & a gauge for precise settings.

- Designed to cut precise grooves to provide undersized plywood veneered panels with a snug rattle free fit.
- For 5.5mm undersized 1/4" plywood.
- For 5.9mm oversized 1/4" veneered plywood.
- Adjust the panel groove width (3/16" to 5/16").
- Cut frame stock from 5/8" through 1-1/2" in thickness.



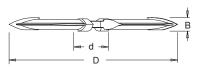


ØD	ØD1	T	C	В	Tool No.	Ød	RPM	Repl. T.C. Knife	Rub Collar	
4"	3-1/4"	4.7-7.9 (3/16"-5/16")	3/8"	1-1/2"	61218	1-1/4"	12,900	RCK-236 RCK-238	C-033	
	→ C	-								



LAMELLO® - CARBIDE TIPPED RESIN POCKET CUTTER

Hard wearing steel tool body complete with four tungsten carbide tips. Suitable for producing grooves & slots in softwood & hardwood for hiding ugly resin spots or knots.



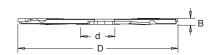




ØD	В	Teeth	Tool No.	Ød	RPM
100(4")	8(5/16")	4	61108	7/8"	7,700-15,000
100(4")	15(19/32")	4	61109	7/8"	7,500-13,400

LAMELLO® - INSERT BISCUIT JOINT CUTTER

Hard wearing steel body complete with tungsten carbide knives and scorers. Suitable for producing grooves and slots in softwood, hardwood and man-made boards for biscuit jointing. For use with most biscuit jointing machines.







EN847-1

Hand

STL



ØD	В	Teeth	Tool No.	Ød	RPM	Repl. T.C. Knife
100(4")	4(5/32")	2+2	61450	7/8"	7,700-15,000	RCK-18 RCK-71
100(4")	4(5/32")	4+4	61452	7/8"	7,700-15,000	RCK-18 RCK-71





















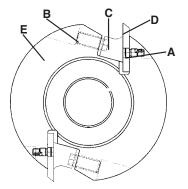
Note: Machine safety guards have been removed for photo clarity.

The Profile Pro™ Universal Shaper Cutter System from Amana Tool®.

Designed for professionals, the Profile Pro[™] features over 135 different interchangeable steel knife patterns, ranging from molding to joinery to door sets, which can all be used with a single cutterhead. Blank (unground) knives are also available for custom patterns.

The Profile Pro[™] features a unique system of fixed steel pins (A), screws (B) and a wedge block (C) that simultaneously indexes and secures the knives (D) to the head (E). This enables fast, accurate set-ups and eliminates the tedious task of adjusting

> the knives. This type of system also offers greater safety over other types of cutterheads.



The Profile Pro[™] cutterheads are 100mm, 110mm and 120mm black-oxide finished solid steel or 68mm, 88mm, 100mm and 120mm anodized lightweight aluminum alloy. The steel cutterheads are recommended for heavy-duty type shapers with 3 horsepower or more. The aluminum heads, which are 60% less weight than their steel counterparts, are recommended for all spindle shapers, especially smaller machines with 2 horsepower or less.

When selecting the diameter, choose a cutterhead that will properly fit within the table insert rings of your shaper. The diameters shown are for the head only, so you must add from 14mm to 38mm to the diameter to allow for the knives. (Example: Cutterhead #61100 or SCS-1000 (88mm) with #64F000 straight knives (add 14mm) = 102mm total outside diameter.)



Above: Aluminum-alloy Profile Pro™ shaper head









Shaper Cutters















PROFILE PRO™ MULTI-SHAPER STARTER SETS



All sets include the basic 68mm & 88mm diameter aluminum alloy cutterhead and seven pairs of interchangeable profile knives. Also included is a custom hardwood storage box, hex key and color poster showing many of the different available knife profiles. Look over the following pages for a full line of aluminum and steel cutterheads in 3/4", 1", 1-1/4" and 30mm bores, a wide array of additional knives, T-bushings for 1/2" and 3/4" diameter arbors, and empty hardwood storage boxes.

ØD	В	Set No.	Ød	RPM Ideal/max.
68mm (2-11/16)	40mm (1-1/2)	* SCS-1106	3/4-1/2	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1000	1	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1002	30mm	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1004	1-1/4	7000/9000

ØD	В	Set No.	Ød	RPM Ideal/max.
68mm (2-11/16)	40mm (1-1/2)	* SCS-1108	3/4-1/2	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1100	30mm	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1102	1	7000/9000
88mm (3-1/2)	40mm (1-1/2)	SCS-1104	1-1/4	7000/9000

^{*}Includes 2 Bushings (#BU-561) 3/4"-1/2"

d B

Replacement Parts:

Description	Tool No.	Size	Qty. Required
Wedge blocks	WB-40	For 40mm knives	2
Allen socket knife screws	67144	8x16mm	2
'L' shaped allen key	5010	4mm	1
Wood storage box	62282	For 6 pair of knives	1
Bushing	BU-561	3/4"-1/2"	2
Knife set pins	67153	_	4

The following 40mm knives are included in each set:

SCS-1000/1002/1004/1106



64F000





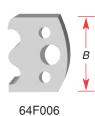




64F004



64F005



SCS-1100/1102/1104/1108



64F000



64F001



*64F016



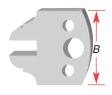
*64F017



64F096



64F098



64F099

*Note: Part #'s 64F016 and 64F017 available carbide tipped, see page 277 for more information.

Knives shown at approx. 50% of actual size. See pages 277-278 for larger selection of knives.



















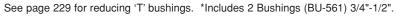


PROFILE PRO™ SHAPER CUTTERS

ALUMINUM CUTTERHEADS (for 40mm Knife System)

Profile Pro™ red anodized aluminum alloy cutterheads in 68, 88, 100 or 120mm diameters.

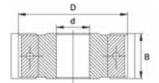
ØD	В	Tool No.	Ød	RPM Ideal/Max.
68mm	40mm (1-1/2)	* 61068	3/4	7000/9000
88mm (3-1/2)	40mm (1-1/2)	61100	30mm	7000/9000
88mm (3-1/2)	40mm (1-1/2)	61102	1	7000/9000
88mm (3-1/2)	40mm (1-1/2)	61104	1-1/4	7000/9000
100mm (4)	40mm (1-1/2)	61200	1	5800/9000
100mm (4)	40mm (1-1/2)	61204	30mm	5800/9000
100mm (4)	40mm (1-1/2)	61208	1-1/4	5800/9000
120mm (4-3/4)	40mm (1-1/2)	61228	1	5100/7900
120mm (4-3/4)	40mm (1-1/2)	61232	30mm	5100/7900
120mm (4-3/4)	40mm (1-1/2)	61236	1-1/4	5100/7900



ØD	В	Tool No.	Ød	RPM Ideal/Max.
120mm	50mm	+61237	1-1/4	4500/6600

+WARNING!: Fits only blank knives 5.5mm thick #65RM127 and #HSSRM127 found on page 276.





STEEL CUTTERHEADS (for 40mm Knife System)

Profile Pro™ black oxide solid steel cutterheads in 100 or 120mm diameters.

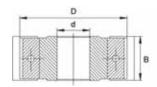
ØD	В	Tool No.	Ød	RPM Ideal/Max.
100mm (4)	40mm (1-1/2)	61212	1	5800/9000
100mm (4)	40mm (1-1/2)	61216	30mm	5800/9000
100mm (4)	40mm (1-1/2)	61220	1-1/4	5800/9000
120mm (4-3/4)	40mm (1-1/2)	61240	1	5100/7900
120mm (4-3/4)	40mm (1-1/2)	61244	30mm	5100/7900
120mm (4-3/4)	40mm (1-1/2)	61248	1-1/4	5100/7900

Replacement Parts:

Description	Tool No.	Size	Qty. Required
Allen socket screws	67144	8x16mm	2
Wedge blocks	WB-40	For 40mm knives	2
'L' shaped allen key	5010	4mm	1
Knife set pins	67153		4

See page 281 for reducing 'T' bushings.























STEEL CUTTERHEADS (for 60mm Knife System)

Profile Pro™ black oxide solid steel cutterhead.

ØD	В	Tool No.	Ød	RPM Ideal/Max.
110mm (4)	60mm (2-3/8)	61249	1-1/4	4200/6000

Blank unground knife may be found below.

Profile knives may be found on bottom of page 278.

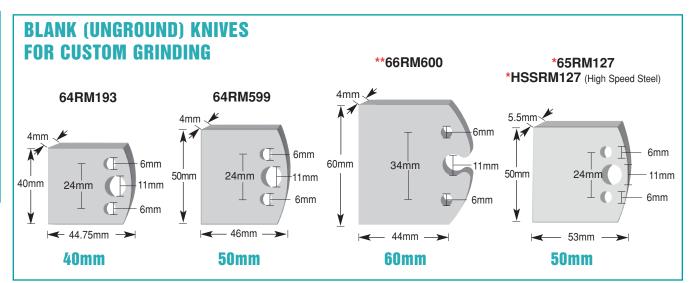


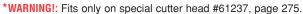
HARDWOOD STORAGE BOXES

Beautifully made custom hardwood storage boxes will accommodate either 6, 12, 24 or 36 pairs of 40mm knives along with one Profile-Pro[™] cutterhead. Order knives and cutterhead separately.

Description	Tool No.	Max. Head Dia.
Empty hardwood box for 6 pr. 40mm knives	62282	100mm
Empty hardwood box for 12 pr. 40mm knives	62284	120mm
Empty hardwood box for 24 pr. 40mm knives	62286	120mm
Empty hardwood box for 36 pr. 40mm knives	62288	120mm







^{**}Fits only on special cutter head #61249













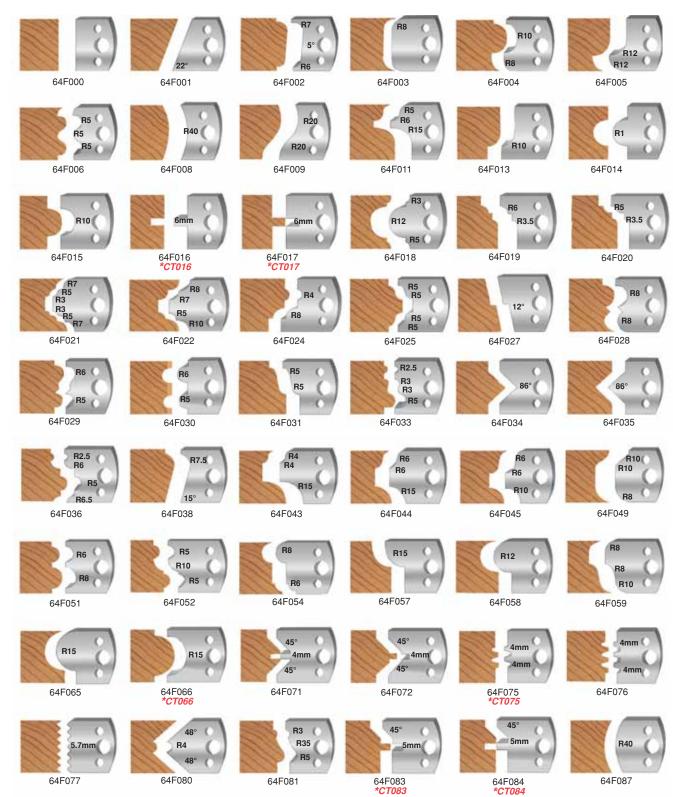






40mm STEEL KNIVES

*12 Popular Profiles Now Available Carbide Tipped



*Note: Part #'s beginning with "CT" and marked in red are carbide tipped.

Note: All knives are 40mm and are not shown at actual size. Each part # consists of one pair. See page 276 for blank (unground) knives.

Specifications shown ('R8', 'R10' etc.) are in millimeters.

Illustrations not shown actual size. For additional profiles or to print 1:1 wood samples visit www.amanatool.com.

More Profiles Available On Our Website www.amanatool.com













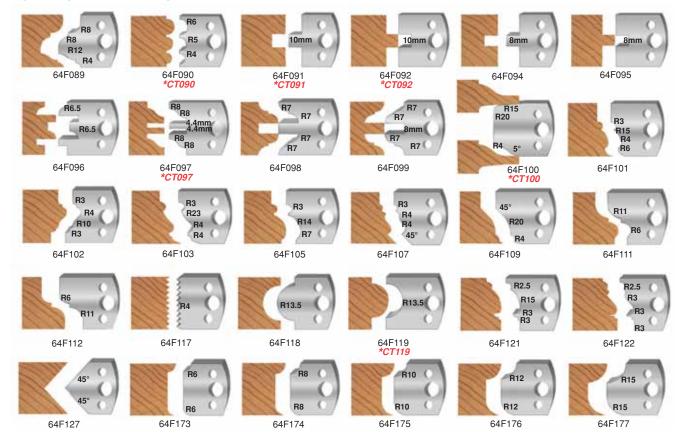






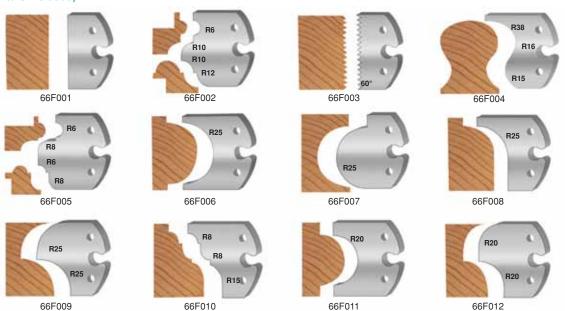
40mm STEEL KNIVES

Popular Profiles Now Available Carbide Tipped



+60mm STEEL KNIVES

(Limiters Included)



*Note: Part #'s beginning with "CT" and marked in red are carbide tipped.

Note: All knives are 40mm and are not shown at actual size. Each part # consists of one pair. See page 276 for blank (unground) knives.

More Profiles Available On Our Website www.amanatool.com



















SHAPER CUTTERS

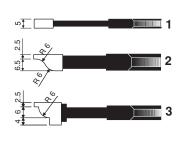
ENDLESS POSSIBILITIES are yours when you purchase this set of 5 Carbide Tipped 2-Wing Cutters allowing you to execute countless profiles and shapes.

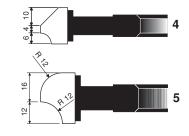


Tool No.	Cutter No.	D	d	В	Max. RPM
SCS2100-1	1	140mm	1-1/4	5mm	9,000
SCS2100-2	2	140mm	1-1/4	9mm	9,000
SCS2100-3	3	140mm	1-1/4	12.5mm	9,000
SCS2100-4	4	140mm	1-1/4	20mm	9,000
SCS2100-5	5	140mm	1-1/4	28mm	9,000
*BU-940	_	1-1/4 to 1 -	5 PIECE BU	SHING SET	
*BU-942	_	1-1/4 x 30mm - 5 PIECE BUSHING SET			

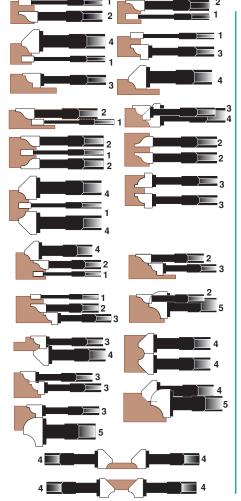
*Not included in sets

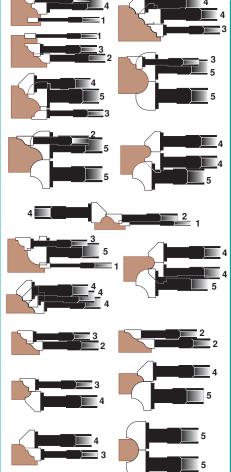


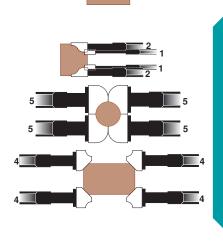


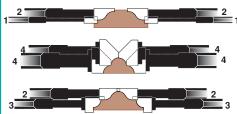


The following are illustrations showing the different profiles and combinations based on single, double and triple cut. We have enclosed a set of spacers to adjust the spacing as needed. (Illustrations are not shown at actual size.)













Replacement Parts for **Shaper Cutters**















BALL BEARING RUB COLLARS FOR SHAPER CUTTERS

Designed for template shaping such as arched or cathedral doors, etc. Features a ball bearing center with a steel sleeve and is available with either 1/2", 3/4" and 1-1/4"inside diameter. Please see page 281 for additional rub collars.



FOR 1/2	", 3/4" & 1-1/4"	DIAMETER	SPINDL	ES
Ød	ØD(mm/Inch)	Tool No.	В	Use for Amana Tool® No.
1/2	0.874 (7/8)	C-001	5/32	SC600
1/2	1.125 (1-1/8)	*47800	5/16	
1/2	1.250 (1-1/4)	C-002	5/32	SC602, SC604, SC606
1/2	1.374 (1-3/8)	C-003	5/32	
1/2	1.500 (1-1/2)	*47806	5/16	993
3/4	1.457	C-043	9.5mm	939, SC624, SC642
3/4	1.500 (1-1/2)	C-044	9.5mm	977
3/4	1.625 (1-5/8)	C-005	7/16	905, 950, 906, 929, 930, SC626, SC636, SC638, SC650, SC652, SC654, SC656, SC658
3/4	1.687 (1-11/16)	*47810	7/16	957,
3/4	1.750 (1-3/4)	C-006	7/16	900, 901, 968, 969, 980, 998, 991, SC410, SC412 SC414, SC416, SC630, SC640, SC646
3/4	1.811	C-007	7/16	965, SC442, SC444, SC446, SC582, SC592
3/4	1.874 (1-7/8)	C-008	7/16	921, 922, 927, 928, 932, 938, 940, 945, 952, 958, 994, SC554, SC558, SC590, SC634, SC648,
3/4	1.937 (1-15/16)	C-004	7/16	964, SC400, SC402, SC404, SC406,SC408
3/4	1.964	C-009	7/16	SC440, SC460
3/4	2.000	C-010	7/16	902, 903, 904, 951, 966, SC442, SC644, SC446
3/4	2.063	C-022	7/16	922
3/4	2.031 (2-1/32)	C-039	7/16	SC585
3/4	2.106	C-023	7/16	992
3/4	2.125 (2-1/8)	C-011	7/16	905, 925, 926, 959, 999, SC618, SC640
3/4	2.153	C-024	7/16	975, 976
3/4	2.187 (2-3/16)	*47820	7/16	00444
3/4	2.216	C-012	7/16	SC444
3/4	2.250 (2-1/4)	C-025	7/16	972, 974, SC628
3/4	2.272	C-013	7/16	000 00010 00441
3/4	2.295	C-014	7/16	933, SC616, SC441
3/4	2.311	C-026	7/16 7/16	911
3/4	2.375 (2-3/8)	C-015 C-027	7/16	960, 961, 971, 973, SC620, SC622 962
3/4	2.425 2.468	C-028	7/16	960, 961
3/4	2.500 (2-1/2)	C-016	7/16	940, 945, 986-VC, 985-VC, 994
3/4	2.555	C-029	7/16	934, 935, 936, 937
3/4	2.625 (2-5/8)	*47822	7/16	984-VC, 987-VC, SC430, SC432
3/4	2.733	C-030	7/16	967
3/4	2.937 (2-15/16)	*47824	7/16	
1-1/4	1.850	C-045	9mm	989
1-1/4	2.000	C-050	9mm	SC532, SC534, SC536
1-1/4	2.165	C-051	1/2	SC680, SC682
1-1/4	2.312 (2-5/16)	C-040	9mm	SC593
1-1/4	2.375 (2-3/8)	C-041	1/2	924
1-1/4	2.500 (2-1/2)	C-017	1/2	931, 984, 985, 985-LH, 986, 987, A-30-114, A-30-116, A-30-118, A-30-120, SC420, SC422, SC426, SC500, SC502, SC504, SC506, SC508, SC509, SC511, SC511, SC512, SC514, SC516, SC520, SC522, SC524, SC526, SC528, SC530, SC556, SC559, SC580, SC617
1-1/4	2.531	C-018	1/2	SC584, SC594
1-1/4	2.562 (2-9/16)	C-042	1/2	924
1-1/4	2.688	C-019	1/2	SC424, SC540, SC542, SC544, SC546, SC548, SC550, SC560, SC562, SC564,
1-1/4	2.750 (2-3/4)	C-031	1/2	A-30-112
1-1/4	2.874 (2-7/8)	C-020	1/2	SC542, SC546, SC548
1-1/4	2.948	C-046	1/2	SC660
1-1/4	3.000	C-032	1/2	A-28-108, A-29-108, A-30-110
1-1/4 1-1/4	3.090 3.027	C-021 C-047	1/2	SC540, SC544, SC550 SC662
1-1/4		C-047 C-048		
1-1/4	3.106 3.185		1/2 1/2	SC464, SC664 SC462, SC666
1-1/4	3.250 (3-1/4)	C-049 C-033	1/2	SC462, SC666 A-28-106, A-29-106, A-30-108
1-1/4	3.375 (3-3/8)	C-034	1/2	A-28-106, A-29-106, A-30-108 A-30-106
1-1/4	3.500 (3-1/2)	C-035	1/2	A-30-106 A-28-104, A-29-104, A-30-104
1-1/4	3.555	C-036	1/2	A-32-104, A-39-104, A-30-104 A-32-100, A-32-200, A-32-400
1-1/4	3.625 (3-5/8)	C-037	1/2	A-32-100, A-32-200, A-32-400 A-28-102, A-29-102, A-30-102
1.1/4	0.020 (0.0/0)	0-007	1/2	7 LU 102, 7 LU 102, 7 UU 102

A-28-100, A-29-100, A-30-100







1-1/4

C-038

1/2

3.750 (3-3/4)















Collar w/ball

bearing inside

Replacement Parts for **Shaper Cutters**

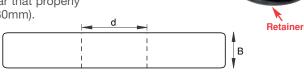


BALL BEARING RUB COLLARS

FOR 3/4", 1", 1-1/4" & 30mm SPINDLE SHAPERS

Designed for template shaping such as arched or cathedral doors, etc. Features a steel ball bearing center and interchangeable, lightweight aluminum rub collar sleeves. To order, specify rub collar (example: #61600, 75mm), and then order the correct size bearing to fit your spindle. The bearing includes a special steel retaining collar that properly secures the assembly to your spindle (3/4", 1", 1-1/4" or 30mm).

Order No. (Rub collar only)	ØD	В
61600	75mm	16mm
61602	80mm	16mm
61604	85mm	16mm
61606	90mm	16mm
61608	95mm	16mm
61610	100mm	16mm
61615	4"	16mm
61612	105mm	16mm
61614	110mm	16mm
61616	115mm	16mm
61618	120mm	16mm
61620	125mm	16mm
61622	130mm	16mm
61624	140mm	16mm
61626	150mm	16mm
61628	160mm	16mm
61630	170mm	16mm



	U
Order No.	
(Ball bearing	
w/ retainer)	Ød
61650	1-1/4
61652	1
61654	30mm
61656	3/4

Order No. (retainer only)	Ød
61670	1-1/4
61672	1
61674	30mm
61676	3/4

NOTE: Bearing only (1-1/4 x 2-1/2) order #61660 (no retainer).

DOUBLE T BUSHINGS

_				14040
	Ød	ØD	Tool No.	В
Ī	1/2	3/4	BU-918	1-5/16
	3/4	1	BU-916	1-5/16
	3/4	1-1/4	BU-914	1-5/16
_	1	1-1/4	BU-912	1-5/16



LONG T BUSHINGS

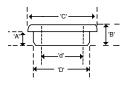
				IVOVU
	Ød	ØD	Tool No.	В
	1/2	3/4	BU-928	1-5/16
	3/4	1	BU-926	1-5/16
ĺ	3/4	1-1/4	BU-924	1-5/16
	1	1-1/4	BU-922	1-5/16

SHAPER CUTTER 'T' BUSHINGS

(WITH FLANGE), 2 REQUIRED PER CUTTER

Each item n	umber co	onsists of o	ne of each.		UIZES
Ød	ØD	A	Tool No.	В	C
1/2	3/4	5mm	BU-561	9mm	55mm
1/2	3/4	1/4	BU-550	11/32	1
1/2	1	5mm	BU-565	9mm	55mm
3/4	1	5mm	BU-564	9mm	55mm
3/4	30mm	5mm	BU-562	9mm	55mm
3/4	1-1/4	5mm	BU-570	9mm	55mm
3/4	1-1/4	1/4	BU-600	15/32	1-3/4
20MM	1-1/4	11/64	BU-724	1/4	1-3/4
1	1-1/4	3/16	BU-700	9/32	1-3/4
1	1-1/4	5mm	BU-568	9mm	55mm
1	1-1/4	1/4	BU-720	11/32	1-3/4
1	1-1/4	11/32	BU-750	1/2	1-3/4
1	1-1/4	1-5/32	BU-800	1-9/32	1-3/4
1	30mm	5mm	BU-560	9mm	55mm
1-1/8	1-1/4	13/64	BU-722	1/4	1-3/4
30mm	1-1/4	5mm	BU-566	9mm	55mm









Replacement Parts for Shaper Cutters











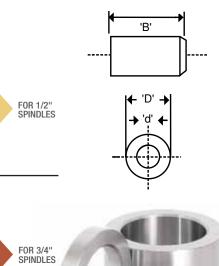




SPACERS (SLEEVE BUSHINGS) FOR SHAPER CUTTERS



Ød	ØD	Tool No.	В
1/2	3/4	BU-902	.437 (7/16)
1/2	3/4	BU-900	.500 (1/2)
1/2	3/4	BU-910	.750 (3/4)
1/2	3/4	BU-920	1.620 (1/16)
1/2	3/4	BU-930	1.250 (1-1/8)
1/2	1	67220	.250 (1/4)
1/2	1	67221	.375 (3/8)
1/2	1	67222	.500 (1/2)
1/2	1	67223	.750 (3/4)
1/2	1	67224	1
3/4	1	67230	.250 (1/4)
3/4	1	67243	.375 (3/8)
3/4	1	BU-904	.437 (7/16)
3/4	1-1/4	67225	.250 (1/4)
3/4	1-1/4	67226	.375 (3/8)
3/4	1-1/4	BU-906	.437 (7/16)
3/4	1-1/4	67227	.500 (1/2)
3/4	1-1/4	67228	.750 (3/4)
3/4	1-1/4	67229	1
3/4	1-1/2	67241	.250 (1/4)
3/4	1-5/8	67242	.250 (1/4)
3/4	1-7/8	919	.250 (1/4)
1	1-1/4	BU-908	.437 (7/16)
1	1-1/2	67231	.250 (1/4)
1	1-1/2	67232	.375 (3/8)
1	1-1/2	67233	.500 (1/2)
1	1-1/2	67234	.750 (3/4)
1	1-1/2	67235	1
1-1/4	30mm	67244	250 (1/4)
1-1/4	30mm	67245	.375 (3/8)
1-1/4	30mm	67246	.500 (1/2)
1-1/4	30mm	67247	.750 (3/4)
1-1/4	30mm	67248	1
1-1/4	1-3/4	67236	.250 (1/4)
1-1/4	1-3/4	67237	.375 (3/8)
1-1/4	1-3/4	67238	.500 (1/2)
1-1/4	1-3/4	67239	.750 (3/4)
1-1/4	1-3/4	67240	1







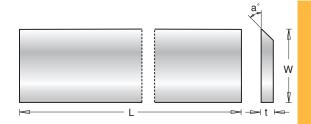


Planer/Jointer Knives

PLANER & JOINTER KNIVES

T-1 HIGH-SPEED STEEL (HSS) 18% TUNGSTEN

New grade T-1 high-speed steel with 18% tungsten content. For comparison, this steel is much harder than M-2 HSS which typically has 12% tungsten. Crafted on state-of-the-art equipment, each knife is ground, honed and individually hand-hammered to exacting tolerances. Many standard sizes available individually or in sets. For a nominal charge, knives can be cut to length. Packaging: Bulk in flat tubes.



HSS PLANER & JOINTER INDIVIDUAL KNIVES (each)

T-1 HIGH-SPEED STEEL (HSS) 18% TUNGSTEN

L	W	Tool No.	t	a°
15	1	P 445	1/8	45°
16	1	P 442	1/8	45°
20	1	P 450	1/8	45°
20	35mm	P 455	1/8	45°
24	1	P 480	1/8	45°
24	1-1/4	P 490	1/8	45°
24	35mm	P 495	1/8	45°
24	11/16	P 520	5/32	45°
25	3/4	P 560	1/8	45°
25	7/8	P 570	1/8	45°
25	1	P 580	1/8	45°
25	1-1/4	P 590	1/8	45°
25	35mm	P 595	1/8	45°
31	3/4	P 640	1/8	45°
31	1	P 650	1/8	45°
31	1-1/4	P 660	1/8	45°
37	5/8	P 700	1/8	45°
37	3/4	P 710	1/8	45°
37	7/8	P 715	1/8	45°
37	1	P 720	1/8	45°
37	1-1/8	P 726	1/8	45°
37	1-1/4	P 730	1/8	45°
37	1-1/2	P 772	1/8	45°
37	1-3/4	P 773	1/8	45°
37	5/8	P 740	3/32	45°
37	3/4	P 750	3/32	45°
37	3/4	P 712	5/32	45°
37	1	P 722	5/32	45°
37	1-1/8	P 762	5/32	45°
37	1-1/4	P 770	5/32	45°
37	1-3/8	P 771	5/32	45°
37	1-1/2	P 774	5/32	45°

METRIC SIZES

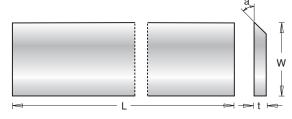
L	W	Tool No.	t	a°
10	30mm	P 432	1/8	45°
37	30mm	P 727	3mm	45°
37	30mm	P 725	1/8	45°
37	35mm	P 735	1/8	45°
400mm	30mm	P 724	3mm	45°
400mm	35mm	P 732	3mm	45°
500mm	35mm	P 734	3mm	45°
37	35mm	P 736	4mm	45°
600mm	35mm	P 457	3mm	45°
700mm	35mm	P 461	3mm	45°
1 meter	3/4	P 460	3mm	45°
1 meter	1	P 459	3mm	45°
1 meter	35mm	P 458	3mm	45°
	37 37 400mm 400mm 500mm 37 600mm 700mm 1 meter 1 meter	10 30mm 37 30mm 37 30mm 37 35mm 400mm 30mm 400mm 35mm 500mm 35mm 37 35mm 600mm 35mm 700mm 35mm 1 meter 3/4 1 meter 1	10 30mm P 432 37 30mm P 727 37 30mm P 725 37 35mm P 735 400mm 30mm P 724 400mm 35mm P 732 500mm 35mm P 734 37 35mm P 736 600mm 35mm P 457 700mm 35mm P 461 1 meter 3/4 P 460 1 meter 1 P 459	10 30mm P 432 1/8 37 30mm P 727 3mm 37 30mm P 725 1/8 37 35mm P 735 1/8 400mm 30mm P 724 3mm 400mm 35mm P 732 3mm 500mm 35mm P 734 3mm 37 35mm P 736 4mm 600mm 35mm P 457 3mm 700mm 35mm P 461 3mm 1 meter 3/4 P 460 3mm 1 meter 1 P 459 3mm

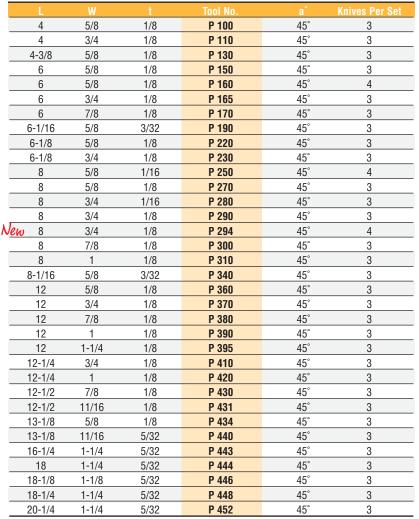


Planer/Jointer Knives

HSS PLANER & JOINTER KNIFE SETS

T-1 HIGH-SPEED STEEL (HSS) 18% TUNGSTEN







METRIC SIZES

L	W	t	Tool No.	a°	Knives Per Set
100mm	30mm	3mm	P 120	45°	4
130mm	30mm	3mm	P 140	45°	4
150mm	30mm	3mm	P 180	45°	4
180mm	30mm	3mm	P 240	45°	4
230mm	30mm	3mm	P 345	45°	4

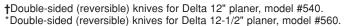


Planer/Jointer Knives

PLANER & JOINTER KNIVES SOLID CARBIDE

Ready to use: fully ground and honed Solid Carbide micro-grain planer & jointer knives. All knives are bevel-edged, and are perfectly parallel and flat, with no mounting holes or slots. Mirror finish, ground from 600 grit diamond wheels. Sold each.

L	W	Tool No.	t	a°
4	5/8	PSC-100	1/8	45°
4	3/4	PSC-110	1/8	45°
6	5/8	PSC-120	1/8	45°
6	3/4	PSC-130	1/8	45°
8	5/8	PSC-140	1/8	45°
8	3/4	PSC-150	1/8	45°
12	3/4	† PSC-160	1/8	45°
12-1/2	3/4	* PSC-170	.088	45°
15	1	PSC-175	1/8	45°





An economical alternative to solid carbide knives. Longer tool life than standard HSS knives.

L	W	Tool No.	t	a°
4	3/4	CTP-100	1/8	45°
6	5/8	CTP-110	1/8	45°
6	3/4	CTP-120	1/8	45°
8	5/8	CTP-130	1/8	45°
8	3/4	CTP-140	1/8	45°
12	3/4	CTP-150	1/8	45°
15	3/4	CTP-160	1/8	45°
15	1	CTP-170	1/8	45°
20	1	CTP-200	1/8	45°

PORTABLE PLANER KNIVES SOLID CARBIDE

Solid carbide reversible knives designed for many popular 3-1/4" machines.

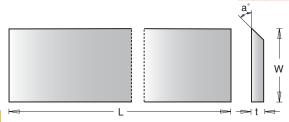
The ICK-100 (82mm) will fit many models by AEG, Bosch, Hitachi, Makita, Metabo, Ryobi, Skil, etc.

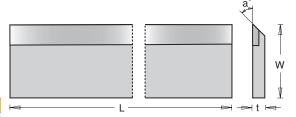
The ICK-200 (82.7mm) will fit many models by Black & Decker. Includes one pair of 2-sided (reversible) knives.

L	W	Tool No.	Thickness
82.0mm (3-1/4")	5.5mm	ICK-100	1.12mm
82.7mm (3-1/4")	5.5mm	ICK-200	1.12mm

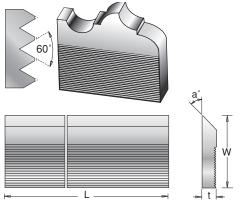
CORRUGATED BACK MOULDER STEEL M-2 HIGH-SPEED STEEL (HSS)

L	Tool No. t = 1/4"	Tool No. t = 5/16"	W	a°	
25	CSK-100	CSK-300	1-1/4	45°	
25	CSK-110	CSK-310	1-1/2	45°	
25	CSK-120	CSK-320	1-3/4	45°	
25	CSK-130	CSK-330	2	45°	
25	CSK-140	CSK-340	2-1/4	45°	
25	CSK-150	CSK-350	2-1/2	45°	
25	CSK-160	CSK-360	2-3/4	45°	
25	CSK-170	CSK-370	3	45°	













Hand Tools & Shop Tools

DICUT™ CARBIDE-TIPPED LAMINATE CUTTER

Quality craftsmanship in your work requires the highest quality in hand tools. Dicut™ is a precision cutting tool made with perfectly ground carbide edges for fast, accurate cutting and scoring of laminates, plastics, Plexiglas® and other materials. Tool features lightweight steel construction, special 'safety-grip' plastic coated handle, and carbide-tips that can be re-sharpened. Packaged in a colorful, attractive clamshell.

Description	Tool No.	
Dicut™ Laminate Cutter	20003	

Useful for precision cutting of: Formica®, plastic, and Plexiglas®.







EVERY WOODWORKER SHOULD OWN ONE!



CARBIDE SWIVEL DE-BURRING REAMER & CARBIDE SCRAPER

Excellent general purpose shop tools for scraping, hole de-burring, etc. Both tools feature large ergonomically designed handles and solid carbide replaceable blades.

Description	Tool No.	Application
Carbide swivel de-burring reamer	20006	Laminate trimming,
		"safe-edging", hole de-burring
Replacement blade for above	20007	_
Carbide hole scraper	20008	General purpose
Replacement blade for above	20009	_



MAGNETIC KNIFE SETTER FOR PLANERS & JOINTERS

- · Precise adjustments for leveling knives.
- Simple to use.
- Heavy duty magnets.
- · Spring loaded magnetized ceramic stop.
- · Works with size drums or knives.
- Includes wooden box with instructions.

	Description	Tool No.	
	Universal Knife Setter	MKS-100	







Technical Information

ROUTER BIT SELECTION, APPLICATION & MAINTENANCE

We have prepared the following guidelines to assist our distributors and customers in the selection, application and maintenance of Amana Tool's® high quality industrial routing tools.



ALL ROUTER BITS ARE CARBIDE-TIPPED UNLESS STATED OTHERWISE.

1. GENERAL INFORMATION

The router bits contained in this catalog are designed for use in portable or stationary/CNC routing machines only. Do not use router bits in any other equipment such as a drill press, portable electric drill, etc. Conversely, 'Boring Bits', are designed for boring machines and/or drill presses, and not for routing machines or portable drills. Unless specified otherwise, all router bits in this catalog are for clockwise (right hand) rotation.

Always wear proper eye protection while operating routers.

Read and understand all information provided with the particular router you are using. The router should be of high quality and all parts thereof should be well maintained. Keep body, clothing and hair away from all moving parts.

Cutting tools that are properly sharpened and maintained will cut faster, better and longer, and will be safer to use. In addition, less horsepower is required (both machine & operator) when sharp tools are used.

2. ROUTER TOOL SELECTION

Carbide router bits provide an excellent finish in solid hard and softwood, wood by-products such as MDF and plywood, and abrasive materials such as plastic, Corian® and other solid surface sheet goods. Under certain conditions, non-ferrous metals such as aluminum and brass can also be cut using carbide tools provided that a coolant is used and proper clamping devices are employed. Extreme care should be taken when cutting non-ferrous metals, and if you are not familiar with the special cutting properties of these materials, please seek professional advice before you attempt any routing or sawing. **Never** attempt to cut ferrous metals (steel, iron, etc.) with carbide router bits.

Solid steel portions of our tools (shank, tool body) are **turned, milled and ground** (not cast) from the highest quality tool steel available.

Note: On certain grinding equipment, **cast body tools** have been known to be more difficult to re-sharpen due to indexing complications. Choose your tools carefully.

Always use the **shortest cutting edge** available that will meet the requirements of your application. Excessive cutting edge length and/or overall length compounds vibration and deflection - a leading cause of tool breakage.

Always use the **largest diameter shank** available that your router will accommodate.

Always use the **correct size collet** for your router and avoid using collet reducing sleeves or bushings. Reducers only add to vibration and run-out, and they generally do not provide the necessary holding capabilities as with a collet alone.

Router Bit Index (by type) pages IV-V. Router Bit Index (by number) pages 290-293.



Technical Information

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SOLID CARBIDE PLASTIC (O) FLUTE 'UP-CUT' AND 'DOWN-CUT' ROUTER BITS

are used to produce super clean cuts, especially in acrylic materials (Plexiglas®, Lucite®), other plastics, solid surface and wood.



should be used when the finish is primary and feed-rate is secondary. Most router bits have 2 flutes.



SOLID CARBIDE ALUMINIUM (O) FLUTE 'UP-CUT' AND 'DOWN-CUT' ROUTER BITS

are specifically designed for cutting aluminum, brass, copper and other non-ferrous metals.

3° DOWN-SHEAR ROUTER BITS

straight plunge new down-shear plunge with upper ball bearing and SupertrimTM are recommended when the finish from a standard bit is inadequate or the horsepower is low. Shear action cuts a smaller portion of the workpiece at one time due to a radial flute design. Down-shear is not intended to be used 'inverted', as in a router table or shaper. Also see the new 'opposite-shear' bits.



SOLID CARBIDE ROUTER BITS

(diamond pattern) are recommended for highly abrasive materials such as fiberglass, tile, etc.



are considered 2 flute but the cutting edge is split (staggered 180°) between the two flutes. These tools combine the speed and chip clearance of one flute bits, with the strength and balance of two-flute bits.



SPIRAL FLUTE 'UP-CUT' AND 'DOWN-CUT'
ROUTER BITS are recommended for deeper mortis-

ing where chip removal is essential to continuing the cut. Also used for some plastics and solid-surface materials such as Corian®, etc.



4 FLUTE) ROUTER BITS are available on some trim bits, spirals and insert bits. This design will provide an extremely smooth finish on certain laminates that tend to chip easily.

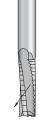


SOLID CARBIDE COMPRESSION SPIRAL BITS

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.



have a plunge point and a pilot that can serve as an edge guide. Generally used by mobile home and trailer manufacturers.



CHIPBREAKER BITS can be specially ordered for 3/4" shank CNC applications. Designed to cut chipboard and MDF at high automatic feed-rates found on CNC machines. Each flute is ground so that the chip breakers are staggered to each other, giving a straight cut. (Two flute only). Also available as standard with certain types of spiral bits.



MORTISING BITS have a large gullet between the two flutes for better chip removal during mortising type cuts. Screw-type bits are normally used in mortising jigs and door machines.



INSERT TOOLING should be considered for long-term cost efficiency especially on high-volume or repeated work. Cutter diameters remain constant for a high degree of accuracy and never require re-sharpening. Consult your local dealer or Amana Tool® for a fast cost comparison analysis on insert type tooling.





Technical Information

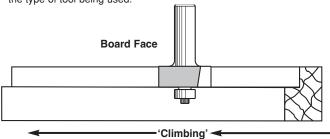
ALL ROUTER BITS ARE CARBIDE-TIPPED UNLESS STATED OTHERWISE.

3. ROUTER TOOL USAGE

Always use *properly sharpened cutting tools*. The *feed-rate* of a router to the workpiece (or vice-versa if used in a router table) is very important to the longevity of the tool and the overall quality of cut. The operator should feel a constant, even pressure when the work is applied to the cutter. If chattering occurs, stop the router promptly and inspect the router, cutting tool, collet and clamping devices, and ensure that the proper tool is being used for the material being cut.

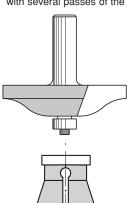
Always keep the tool moving: allowing the tool to 'dwell' in the cut will cause burning and reduce tool life immensely. Remember, heat can ruin a sharp tool.

Feed-rate ultimately depends on three factors: 1) the type of material being cut, 2) the amount of material being removed and 3) the type of tool being used.



'Climb-cutting' is *not* recommended as a portable routing technique. This action tends to grab the wood and pull the cutting tool in the direction indicated.

If using extremely large diameter tools, always accomplish the cut with several passes of the router or, if applicable, remove as much



material prior to using the large tool by means of chamfering, etc. This method will increase tool life and generally be a safer practice than trying to remove too much material in one pass. Large diameter router bits should generally be used in a high quality router table.

Proper collet condition is of extreme importance. Worn, scored or out-of-round router collets do not provide adequate holding power and will increase run-out and vibration. Multiply these factors by the router R.P.M. (22,000 and greater), and you will realize why we must emphasize the importance of proper router collet condition. Do not assume that new collets are geometrically correct. Dark marks or grooves in the router bit shank usually indicate slippage and a worn collet, which should be replaced immediately.

Router bits should always be **completely inserted** into the collet and backed-off slightly (1/16" approx.). **Never partially insert the bit into the collet**. Follow the guidelines provided in your router owners manual for further information regarding this and the appropriate usage of the router base and sub-base (particularly for larger diameter tools that do not clear the standard opening in the router sub-base).

4. ROUTER TOOL MAINTENANCE

Carbide tools can be **re-sharpened** many times. Always have your cutting tools re-sharpened by a **reputable grinding firm only**. Do not attempt to sharpen your own router bits by means of files, whetstones, etc.

Keep your cutting tools clean and free of dirt, wood resin, pitch and other contaminants using a standard commercial solvent. A light coat of machine oil should prevent any surface discoloration or rust. Thoroughly wipe clean all shanks to prevent slippage during use.

Ball Bearings should not be cleaned with solvents, as this will deteriorate the special grease packed inside them. Rather, use an air gun to blow off any dust or dirt. 'Frozen' ball bearings (ones that do



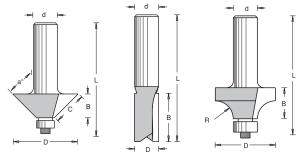
not rotate freely) should be replaced promptly.

Hardware (nuts, screws, washers) should be replaced if worn.

See "Replacement Parts" on pages 152-153.

5. ROUTER TOOL TERMINOLOGY

Cutting Diameter ('D') refers to the largest cutting diameter of the tool and is represented in fractions, decimals and/or millimeters.



Cutting Length ('B or C') refers to the length or 'depth' of the cutting edge. This dimension usually represents the cutting edge length parallel to the length of the shank. Represented in fractions and/or millimeters.

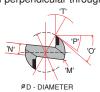
Shank Diameter ('d') refers to the largest diameter of the shank and is equivalent to the router collet **inside diameter** that is necessary to use the tool. This dimension is represented in fractions.

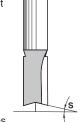
Overall Length ('L') refers to the total length of a router bit from the top of the shank to the bottom of the tool at its furthestmost point. This dimension is represented in fractions and/or millimeters.

Radius ('R') of a cutting tool edge refers to one-half the diameter of a complete circle, and is shown in fractions and/or millimeters.

Bevel Angle ('ao") refers to the angle formed between the cutting tool edge and a straight line drawn parallel or perpendicular to the shank length, and is measured in degrees.

Rake Angle ('T') refers to the angle (or 'hook') of the cutting tool tip in relationship to a straight line drawn perpendicular through the center of





the tool. This dimension is measured in degrees.

Primary Radial Clearance ('P') refers to the relief grind on the tip of the tool and is measured in degrees.

Secondary Radial Clearance ('O') refers to the combined relief grind of the primary clearance and the clearance ground into the body of the tool. This dimension is measured in degrees.

Penetration Clearance ('S') refers to the angle formed between the cutting tool edge and a straight line drawn perpendicular to the shank of the tool, and is measured in degrees. This angle allows gradual penetration into the material.

Web Diameter ('N') refers to the thickness of the ground steel body of the tool, including the heel area ('M'). The web must be of adequate thickness to withstand industrial routing applications.

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RC-2260 to RC-2274		SS125T14	985-VC
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	SC460 240	STF-4 to STF-6	986-VC
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	SC500 to SC506	Τ	987-VC
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RC-2380 to RC-2383	SC514 to SC522	TB10400 186	991 to 993
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RC-2450 to RC-2454	SC532 to SC536219	TB12480	998225
RC-2460 to RC-2468	SC540	TB12960 to TB14109	999
RC-2470	SC542	TB14540 to TB83400	
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RC-49300	SC604 to SC606	921	41410 to 41480
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	SC620	931 248	
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RGB-200			44000
RM-438 to RM-550 211	SC646 to SC648	952 218	44000
RM-438 to RM-550	SC646 to SC648 220 SC650 to SC658 246	952 218 953 to 956 216	
RM-438 to RM-550	SC646 to SC648 220 SC650 to SC658 246 SC660 to SC666 222	952 218 953 to 956 216 957 228	44100
RM-438 to RM-550 211 RS-700 to RS-710 212 RY300T4 211	SC646 to SC648 220 SC650 to SC658 246 SC660 to SC666 222 SC671 to SC680 216	952 218 953 to 956 216 957 228 958 222	44100
RM-438 to RM-550	SC646 to SC648 220 SC650 to SC658 246 SC660 to SC666 222 SC671 to SC680 216 SC682 221	952 218 953 to 956 216 957 228 958 222 959 218	44100
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RM-438 to RM-550	SC646 to SC648 220 SC650 to SC658 246 SC660 to SC666 222 SC671 to SC680 216 SC682 221	952 218 953 to 956 216 957 228 958 222 959 218 960 to 961 231	44100





	45429 to 45430 4		46221 8
45206		45730	46222
	45432 4		46224 to 46238
45219		45732	46241 to 46263 8
45220		45733	46296 to 46297
45221 5		45750	46300 106
	45438 to 45440 4		46300
45223 5		45780 to 45783	46304
45224			46304
45225 5		45790 to 45796	46310 8
45226 to 45231		45800 to 45802	46313
45231 5		45803 to 45806	46314 to 46320 8
45232 3		45807 to 45810	46330 to 46334
45233 5		45810 to 45810-LH	46341 to 46349 8
	45447 to 45453		46350 9
45235 5		45812 to 45813-LH	46351 8
45236	10 10 10 10 100 111 111 111 111 1120	45814 to 45818	46352 9
45237 5		45820 to 45830-LH	46353 8
45238			463549
	45460-S		46355 8
45240		45850 to 45852	463569
45241 to 45247		45860	46357 8
45248		45880 to 45892	46358
45249 to 45252		45900 to 45944	46359
45256 5	45465 to 45468	45944-CNC to 45948-CNC 37,126 45946 to 45948	46361 8
		45949	46362 9
	45475-S	,	46363 8
40300 10 40301	40470-8 20	40900	40303 0
45000 110	45476 to 45470 77	45000 to 45006	46064
45302		45980 to 45986	463649
45302 to 45316	45480 4		46365 8
45302 to 45316	45480	46000	46365 8 46366 to 46368 9
45302 to 45316	45480	46000 46100 to 46109	46365
45302 to 45316	45480 4 45480-CNC 126 45481 to 45485 19 45486 4	46000 46100 to 46109	46365 8 46366 to 46368 9 46376 to 46398 10 46400 to 46404 23
45302 to 45316	45480 4 45480-CNC 126 45481 to 45485 19 45486 4 45487 19	46000 46100 to 46109	46365 8 46366 to 46368 9 46376 to 46398 10 46400 to 46404 23 46410 8
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45302 to 45316	45480 .4 45480-CNC .126 45481 to 45485 .19 45486 .4 45487 .19 45488 .5 45489-S .20	46000 46100 to 46109 8 46110 to 46113 13 46114 10 46115 8 46116 10	46365 8 46366 to 46368 9 46376 to 46398 10 46400 to 46404 23 46410 8 46413 12 46414 to 46420 8
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45302 to 45316	45480 .4 45480-CNC .126 45481 to 45485 .19 45486 .4 45487 .19 45488 .5 45489-S .20 45491 .19 45492 .5 45493 to 45494 .76 45495 to 45497 .19	46000 46100 to 46109 8 46110 to 46113 13 46114 10 46115 8 46116 10 46117 8 46118 10 46119 8 46120 10	46365
45302 to 45316. 2 45360 to 45364 19 45400. 3 45401. 4 45402. 3 45403. 4 45404 to 45407. 3 45408 to 45412. 4 45412-LH 5 45413 to 45414. 4 45414-LH 5 45414-PS 7	45480 .4 45480-CNC .126 45481 to 45485 .19 45486 .4 45487 .19 45488 .5 45489-S .20 45491 .19 45492 .5 45493 to 45494 .76 45495 to 45497 .19 45498 .5	46000 46100 to 46109 8 46110 to 46113 13 46114 10 46115 8 46116 10 46117 8 46118 10 46119 8 46120 10 46121 8	46365 8 46366 to 46368 9 46376 to 46398 10 46400 to 46404 23 46410 8 46413 12 46414 to 46420 8 46430 to 46434 10 47000 47090 to 47092 21 47094 to 47097 20
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45302 to 45316	45480	46000 46100 to 46109 8 46110 to 46113 13 46114 10 46115 8 46116 10 46117 8 46118 10 46119 8 46120 10 46121 8 46122 10 46124 to 46138 11	46365 8 46366 to 46368 9 46376 to 46398 10 46400 to 46404 23 46410 8 46413 12 46414 to 46420 8 46430 to 46434 10 47000 47090 to 47092 21 47094 to 47097 20 47100 to 47104 21 47105 22
45302 to 45316	45480 .4 45480-CNC .126 45481 to 45485 .19 45486 .4 45487 .19 45488 .5 45489-S .20 45491 .19 45492 .5 45493 to 45494 .76 45495 to 45497 .19 45498 .5 45499 .19 45500 to 45505 .17 45506 to 45519 .15	46000 46100 to 46109 8 46110 to 46113 13 46114 10 46115 8 46116 10 46117 8 46118 10 46119 8 46120 10 46121 8 46122 10 46124 to 46138 11 46140 to 46191 9	46365
45302 to 45316	45480 .4 45480-CNC .126 45481 to 45485 .19 45486 .4 45487 .19 45488 .5 45489-S .20 45491 .19 45492 .5 45493 to 45494 .76 45495 to 45497 .19 45498 .5 45499 .19 45500 to 45505 .17 45506 to 45519 .15 45520 .13	46000 46100 to 46109 8 46110 to 46113 13 46114 10 46115 8 46116 10 46117 8 46118 10 46119 8 46120 10 46121 8 46122 10 46124 to 46138 11 46140 to 46191 9 46192 24	46365
45302 to 45316	45480 .4 45480-CNC .126 45481 to 45485 .19 45486 .4 45487 .19 45488 .5 45489-S .20 45491 .19 45492 .5 45493 to 45494 .76 45495 to 45497 .19 45498 .5 45499 .19 45500 to 45505 .17 45506 to 45519 .15 45520 .13 45524 .14	46000 46100 to 46109 8 46110 to 46113 13 46114 10 46115 8 46116 10 46117 8 46118 10 46119 8 46120 10 46121 8 46122 10 46124 to 46138 11 46140 to 46191 9 46192 24 46194 9	46365 8 46366 to 46368 9 46376 to 46398 10 46400 to 46404 23 46410 8 46413 12 46414 to 46420 8 46430 to 46434 10 47000 47090 to 47092 21 47094 to 47097 20 47100 to 47104 21 47105 22 47106 to 47108 21 47109 22 47110 21
45302 to 45316	45480 .4 45480-CNC 126 45481 to 45485 19 45486 .4 45487 19 45488 .5 45489-S .20 45491 19 45492 .5 45493 to 45494 .76 45495 to 45497 19 45498 .5 45499 19 45500 to 45505 17 45520 13 45524 14 45540 to 45544 17	46000 46100 to 46109 8 46110 to 46113 13 46114 10 46115 8 46116 10 46117 8 46118 10 46119 8 46120 10 46121 8 46122 10 46124 to 46138 11 46140 to 46191 9 46194 9 46196 to 46197 23	46365 8 46366 to 46368 9 46376 to 46398 10 46400 to 46404 23 46410 8 46413 12 46414 to 46420 8 46430 to 46434 10 47000 47090 to 47092 21 47094 to 47097 20 47100 to 47104 21 47105 22 47106 to 47108 21 47109 22 47110 21 47111 22
45302 to 45316	45480 4 45480-CNC 126 45481 to 45485 19 45486 4 45487 19 45488 5 45489-S 20 45491 19 45492 5 45493 to 45494 76 45495 to 45497 19 45498 5 45499 19 45500 to 45505 17 45520 13 45524 14 45540 to 45544 17 45550 to 45551 19	46000 46100 to 46109 8 46110 to 46113 13 46114 10 46115 8 46116 10 46117 8 46118 10 46119 8 46120 10 46121 8 46122 10 46124 to 46138 11 46140 to 46191 9 46192 24 46194 9 46196 to 46197 23 46198 9	46365 8 46366 to 46368 9 46376 to 46398 10 46400 to 46404 23 46410 8 46413 12 46414 to 46420 8 46430 to 46434 10 47000 47090 to 47092 21 47094 to 47097 20 47100 to 47104 21 47105 22 47106 to 47108 21 47109 22 47110 21 47111 22 47111 22 47112 21
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