

# Router Bits



Straight Plunge



Trimming & Beveling



Grooving



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## 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.

Sliding Dovetail



Variable Spaced Dovetail



Half-Blind Dovetail



Through Dovetail



ROUTER BITS

### DOVETAIL

Many router dovetail jigs require special bits for cutting half-blind and through dovetails.

We have bits designed for name brand dovetail jigs, including Leigh, Keller, Omnijig and Incra™.

#### 7° ANGLE

For the Keller Dovetail Templates and certain Incra™ applications, 7° dovetail bits are required. (Bits for the Keller system are supplied with shank-mounted bearings.) This angle is also used in cutting stair stringers.

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

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

\*6.24° Angle

#### 7-1/2° ANGLE

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

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

#### 8° ANGLE

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

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

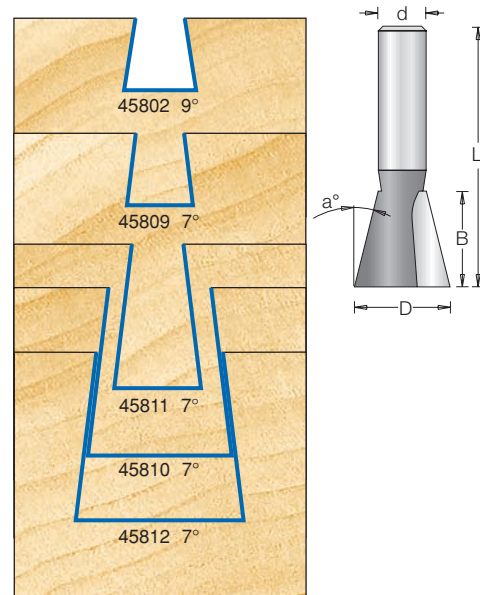
\*Left hand rotation

#### 9° ANGLE

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

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

\* Solid Carbide



45808 7°



45820 7-1/2°



45824 8°



45800 9°



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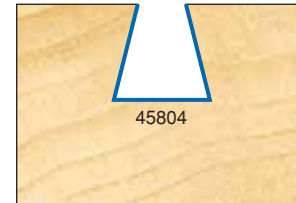
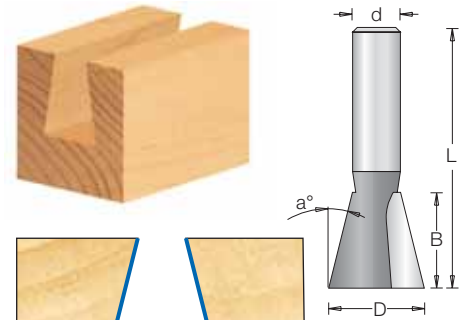
ROUTER BITS

## DOVETAIL

### 10° ANGLE

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

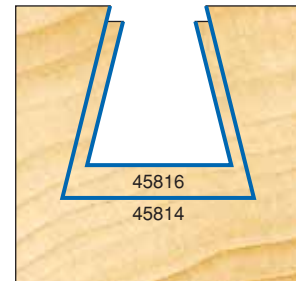
ØD	B	Ød	Tool No.	L	Application
1/2	.650	1/4	45803	2-1/2	Incra™/Leigh #101
1/2	5/8	1/2	45805	2-5/8	Incra™



### 14° ANGLE

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

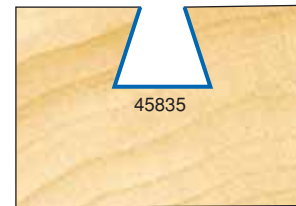
ØD	B	Ød	Tool No.	L	Application
1/2	1/2	1/4	45804	1-3/4	—
1/2	1/2	1/4	45832	2	Incra™/Omnijig 43705
1/2	1/2	1/4	45833	2-3/8	Leigh #120
1/2	.532	1/2	45806	2-1/2	Incra™/Omnijig 43750
17/32	1/2	1/4	45834	2	Incra™
3/4	3/4	1/2	45816	3	Omnijig 43774
7/8	7/8	1/2	45818	2-5/8	—
1	1	1/2	45814	2-3/4	—



### 18° ANGLE

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

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



## 14° BUTTERFLY SPLINE

### 2 FLUTE

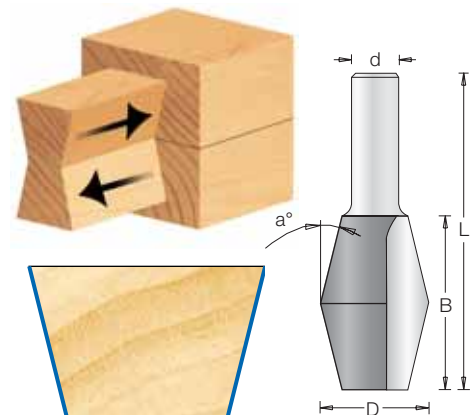
Cut butterfly keys, splines and inlays with this bit, which complements Amana Tool's® 14° dovetail bits. Use in a table-mounted router.

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

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



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





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## DOVETAIL WITH UPPER BALL BEARINGS

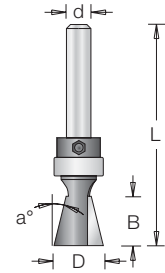
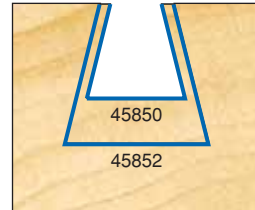
### 2 FLUTE

This dovetail bit has a shank-mounted ball-bearing guide for routing dovetail slots following a template and pattern routing. The template must be mounted between the workpiece and the router. With a handheld router, the template must be on top of the work. With a table-mounted router, the template must be underneath the workpiece.

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

†For pattern cutting or jigs.

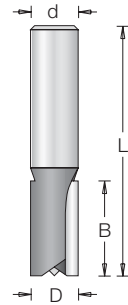
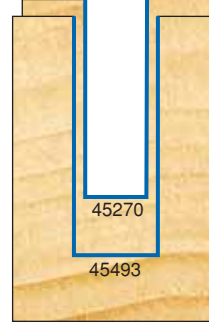
Replacement bearing - #47701. Replacement collar - #47724.



## LEIGH JIG STRAIGHT BITS

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

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

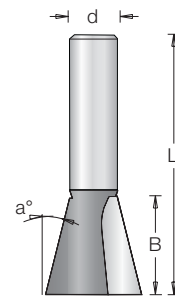
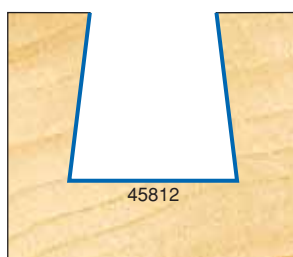
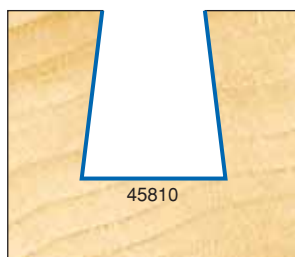


## 7° STAIRTREAD

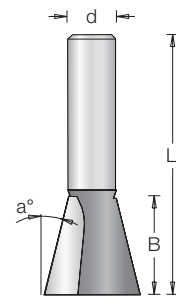
### 2 FLUTE

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

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



Right Hand



Left Hand



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## KELLER DOVETAIL SYSTEM

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

### STRAIGHT CUTTER W/UPPER BALL BEARING

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

### 7° DOVETAIL BIT SYSTEM W/UPPER BALL BEARING

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

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

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

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

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

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

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

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

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

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

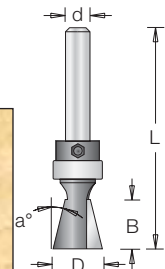
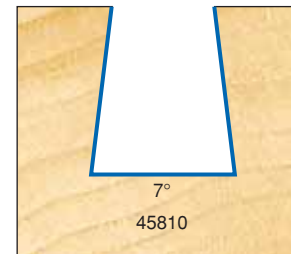
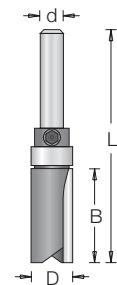
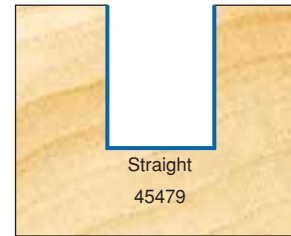
ØD	B	Ød	Tool No.	Keller No.	L	Bearing	Type
1	1	1/2	45890	3637	2-3/4	47738	Dovetail
	5/8	3/4	45470	1643/2443/3643	2-5/8	47712	Straight
7/8	1	3/8	45472	3645/2445	2-5/8	47741	Straight

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

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

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

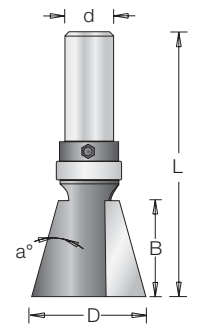
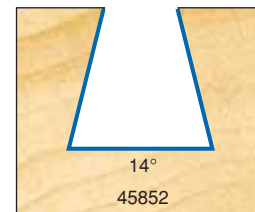
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.



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

Replacement bearing for #45471 is #46641.

Replacement bearing for #45884 is #47741.



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

Available in two sizes:

- #55500 - For 1/8" - 1/4" wide slots, 1/2" deep
- #55510 - For 1/4" - 1/2" wide slots, 1/2" deep



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

## E-Z DIAL SLOT CUTTERS

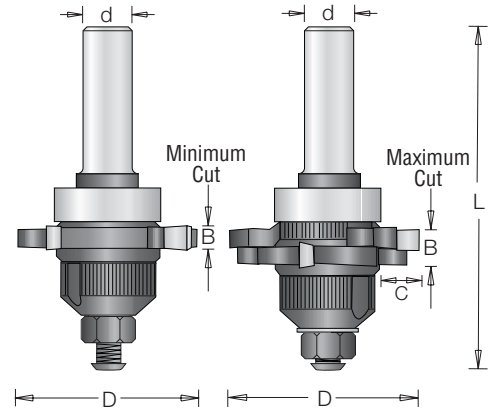
Cutting precise grooves has never been easier. The E-Z Dial™ adjusts in just seconds and it's accurate to .004". And there is no need to disassemble the bit. Just turn the dial and lock the setting, it's that easy.



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

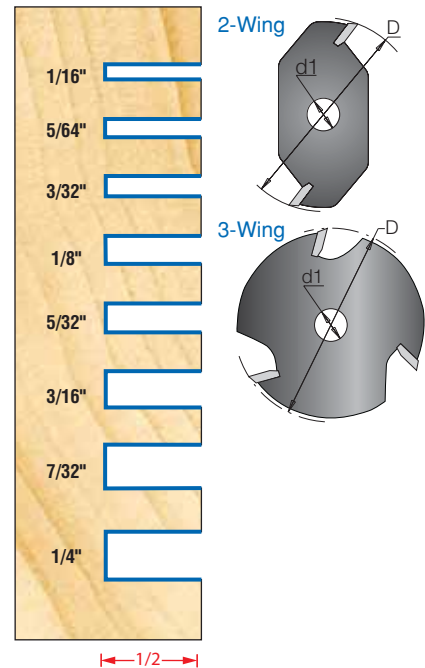
ØD	B	Tool No.	C	Ød	L
2-1/8	1/8-1/4	55500	1/2	1/2	3-3/4
2-1/8	1/4-1/2	55510	1/2	1/2	3-3/4

Replacement ball bearing #47738.



## 2 & 3 WING SLOTTING CUTTERS

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



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

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



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## SLOTING CUTTER ASSEMBLIES

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

### General Specs:

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

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

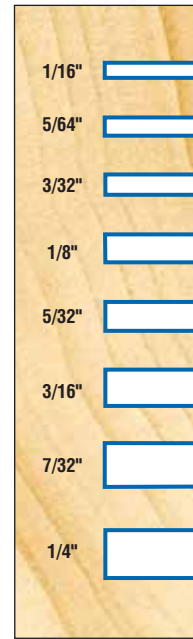
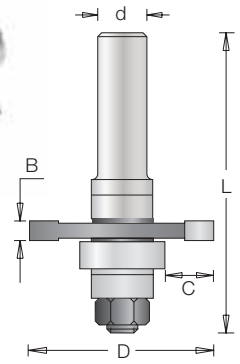
**NOTE:** All above assemblies include cutter, arbor and ball bearing. Also available with 3/8" shank by adding '-2' to part #. (example: #53400-2). \*5/32" size also used for 'biscuit-joint' cutting. \*\*See page 80 for 'Vari-Depth'™ bearings (1/4" and 3/8" depth).

### Replacement Arbors:

1/4" shank - 47600

3/8" shank - 47602

1/2" shank - 47604



← 1/2" →



Replacement Bearing 47708

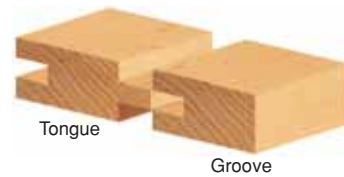
ROUTER BITS

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

The Quadraset™ is an adjustable slotting assembly that includes 1/8", 5/32", 3/16", & 1/4" two-wing cutters, a 1/2" shank arbor with a pilot bearing, and a handful of spacers, washers and shims. Conceptually it is like a table-saw dado stack set. You can use the cutters individually on the arbor, or you can combine two, three or all of the cutters on the arbor. Thus you can cut slots that range in widths from 1/8" up to 23/32" in 1/32" increments. For different depth of cut, see Vari-Depth™ bearings on page 80.

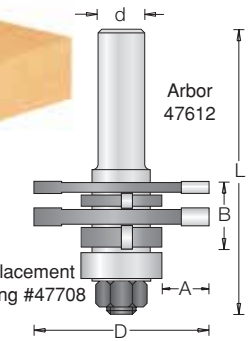


Use in a table-mounted router. Not for use in a handheld router!



Tongue

Groove



Replacement Bearing #47708

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

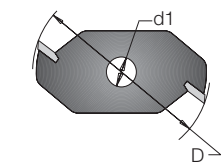
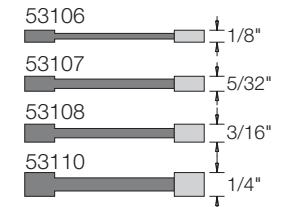
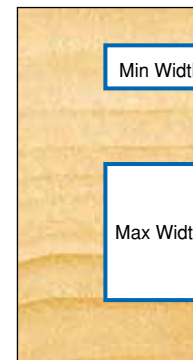
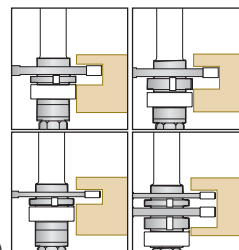
\*A full 3/4" cut can be achieved using one additional #53107 cutter (available separately).



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



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



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## SLOT CUTTER 'VARI-DEPTH'™ BEARINGS

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

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

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

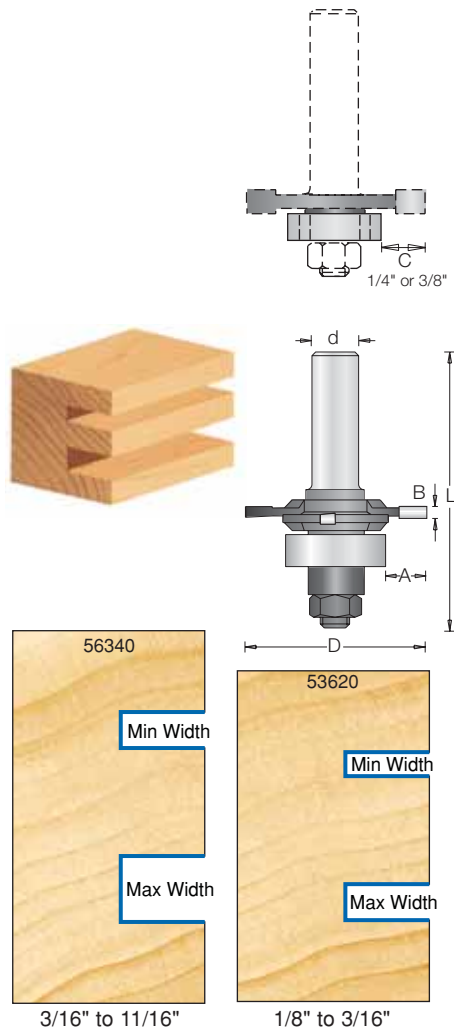
The Duo-Set™ bit has a pair of slotting cutters that can be shimmed apart to vary the width of cut. Available in two size ranges, 1/8" to 3/16" and 3/16" to 11/32". To vary the cut depth, see Vari-Depth™ bearings listed on previous page.

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

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



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



## 'BOX JOINT' SET WITH BALL BEARING GUIDE

### 3-WING

Cut strong, attractive box joints for small boxes and shallow drawers and trays with this bit. By taking three passes it can be used with stock up to 1/2" thick and 4" wide. To insure a good fit when taking multiple passes it's best to align a cutter on the bit with one of the previous cuts. This is the most accurate way to adjust the height of the bit when making multiple passes. The bit has five uniformly spaced 3-wing slotting cutters and a ball-bearing guide on a 1/2" shank arbor. Use in a table-mounted router for best results.

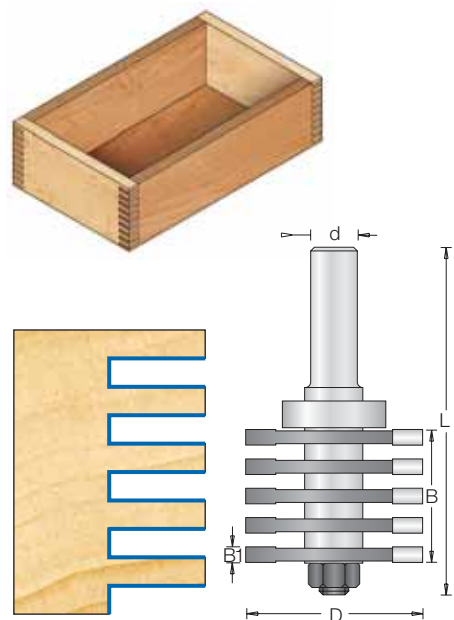
ØD	B	Tool No.	B1	Ød	L
1-7/8	1-3/8	53610	5/32	1/2	3-3/4

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

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



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





Straight Plunge



Trimming & Beveling



Grooving



Profiling



Rabbeting



JOINTING



Door Making



Solid Surface

# Router Bits



## FINGER JOINT ASSEMBLY WITH BALL BEARING GUIDE

### 2-WING

Ideal for joining wood end-to-end as well as edge-to-edge, the finger joint can be routed quickly and accurately with this tool. Rout one workpiece face up, the other face down. When the bit height is correct, the two pieces should slide together with their faces perfectly flush. The assembly includes five 2-wing finger cutters, one 2-wing straight cutter, a ball bearing guide, a 1/2" shank arbor, shims, spacers, and washers. The number of finger cutters used varies with the stock thickness; it can handle stock between 7/16" and 1-3/8" thick. Full instructions for setup and use are included. For best results run at full speed in a 1-1/2 horsepower table-mounted router.

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

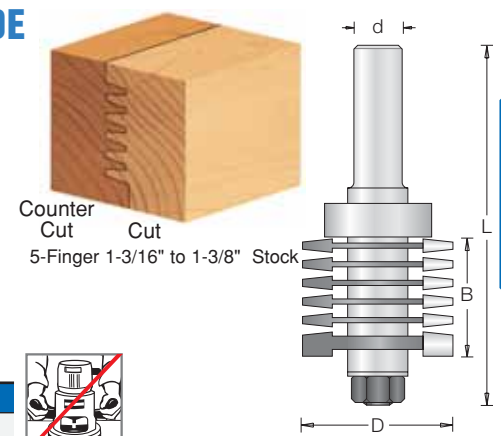
#### Overall Specs:

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

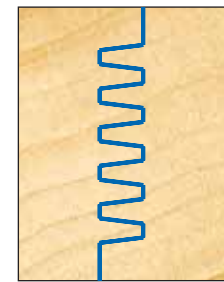
Individual Components:	
Order #	Description
55367	3.4mm Spacer (7 required)
55368	6.0mm Spacer (1 required)
55357	0.1mm Shim (10 required)
55404	0.5mm Shim (1 required)
55402	1.0mm Washer (2 required)



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



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

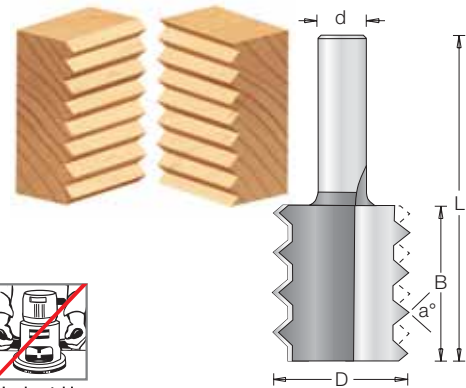


ROUTER BITS

## RAISED PANEL 'V' JOINT

The principal benefit of this glue-joint bit is that the glue seam is far less evident on the bevels of raised panels. Equally important, setup is fast. Cut one half of each joint with the bit at any height. Simply raise or lower the bit 3/32" before cutting the mates. As with all glue-joint bits, the cutter profile expands the edge-to-edge glue surface, but more importantly, produces the precise surface alignment that's essential for fast glueups. For best results use in a router table.

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

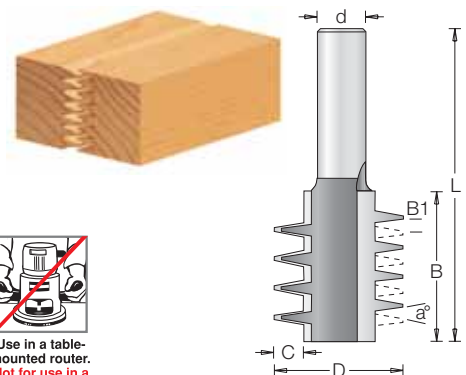


Use in a table-mounted router.  
Not for use in a handheld router!

## FINGER JOINT

Cut interlocking fingers for strong end-to-end or edge-to-edge glueups with this simple bit. Setup is fast. Center the cut profile on the stock, then cut, alternating the orientation of the show face — up when cutting one workpiece, down when cutting its mate. Use in all CNC and table-mounted routers. For best results use in a router table.

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



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



# Router Bits



Straight Plunge



Trimming & Beveling



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JOINTING



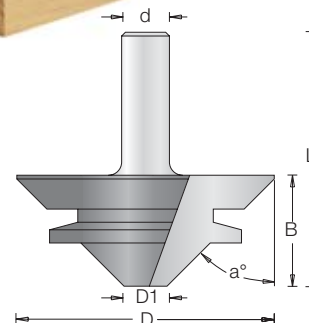
Door Making



Solid Surface

## 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.



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

ØD	D1	B	a°	Tool No.	Ød	L	Material Size
1-1/2	12.1mm	1/2	45°	55393	1/4	1-5/8	5/16-7/16
1-5/8	13.2mm	5/8	45°	55391	1/4	1-3/4	3/8-1/2
1-3/4	6.4mm	7/8	45°	55389	1/2	2-1/8	3/8-3/4
18! 2-11/16	9.2mm	1-3/16	45°	55390	1/2	2-5/8	1/2-1-1/8

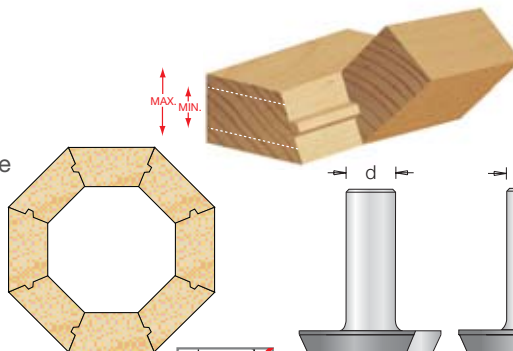
**WARNING:** Maximum RPM  $\triangle 18$  = 18,000



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.



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

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

## DRAWER LOCK

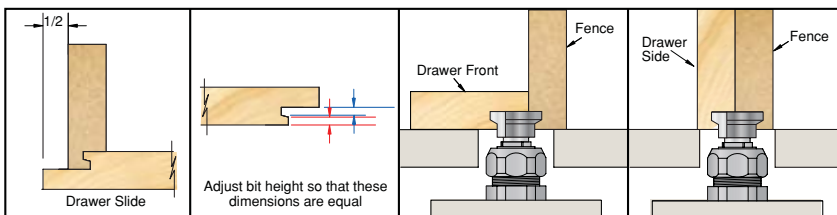
### 2 FLUTE

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/back. 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.

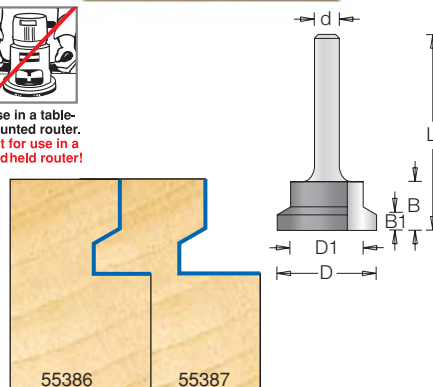


Use in a table-mounted router.  
Not for use in a handheld router!

ØD	ØD1	B	Tool No.	Ød	B1	L
3/4	1/2	1/2	55386	5/32	1/4	1-5/16
1	23/32	1/2	55387	5/32	1/2	1-5/16



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





Straight Plunge



Trimming & Beveling



Grooving



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Door Making



Solid Surface

# Router Bits



ROUTER BITS

## 2 PIECE EDGE BANDING BIT SETS New

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

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

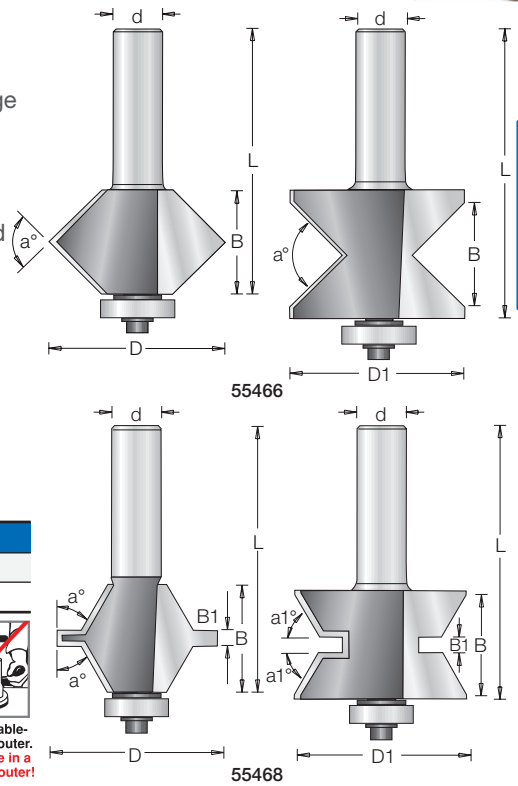
This unique set is available in two styles: 90 degree or 60 degree. The 90 degree bits can also be used to create 'V' grooves or double-sided chamfers. The 60 degree set creates a larger surface area for glue. 1/2" shank, two flutes, carbide tipped for long life. For stock 1/2" to 1" in thickness. For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

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

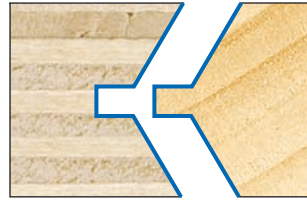
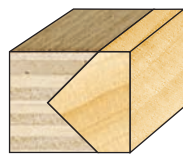
Replacement Bearing #47720.



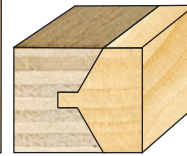
Use in a table-mounted router. Not for use in a handheld router!



55466



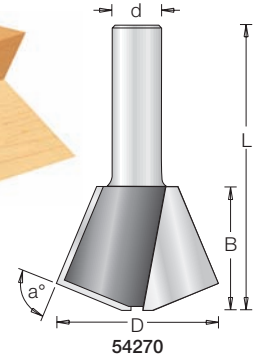
55468



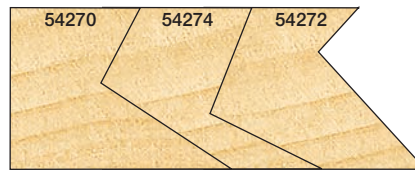
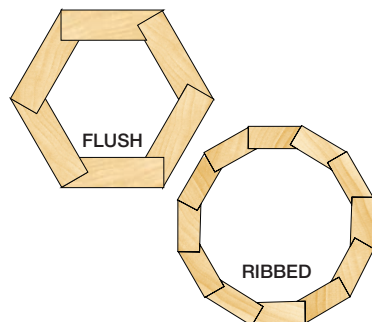
## MULTI-SIDED GLUE JOINT BITS New

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

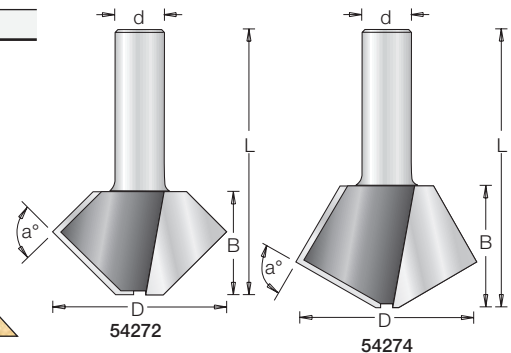
ØD	B	# Sides	Tool No.	a°	Ød	L
1-5/8	1-1/4	16	<b>54270</b>	67.5°/22.5°	1/2	2-7/8
1-3/4	1-3/64	8	<b>54272</b>	45°/45°	1/2	2-21/32
1-7/8	1-1/4	6 or 12	<b>54274</b>	60°/30°	1/2	2-7/8



54270



Above profiles not shown actual size



54272

54274

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

# Router Bits



Straight Plunge



Trimming & Beveling



Grooving



Profiling



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Solid Surface

## T-SLOT 2 FLUTE

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

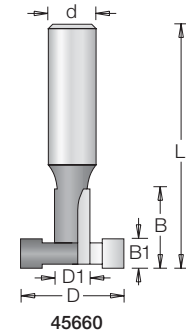
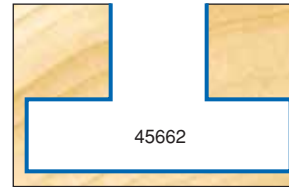
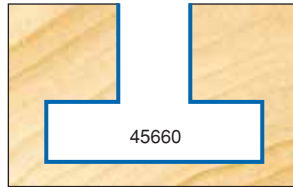
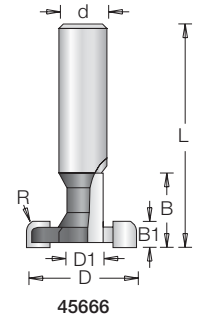
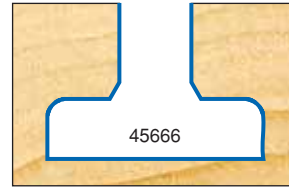
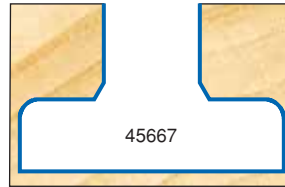


ØD	ØD1	R	Edge Type	Tool No.	B	B1	Ød	L
1-1/8	3/8	—	Straight	45660	13/16	5/16	1/2	2-1/2
1-1/8	3/8	1/4	Radius	45666	13/16	5/16	1/2	2-1/2
1-3/8	1/2	—	Straight	45662	7/8	3/8	1/2	2-1/2
1-3/8	1/2	1/4	Radius	45667	7/8	3/8	1/2	2-1/2



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

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



## SPECIAL AMEROCK® HINGE 2 FLUTE

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

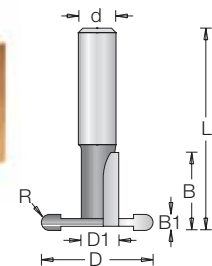
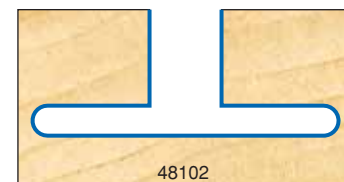
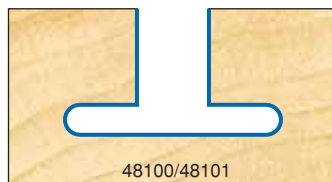


ØD	ØD1	R	Tool No.	B	B1	Ød	L
1-1/8	3/8	5/64	*48100	21/32	5/32	3/8	2
1-1/8	3/8	5/64	*48101	21/32	5/32	1/2	2-1/8
1-19/32	3/8	5/64	*48102	21/32	5/32	3/8	2

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



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





Straight Plunge



Trimming & Beveling



Grooving



Profiling



Rabbeting



JOINTING



Door Making



Solid Surface

# Router Bits



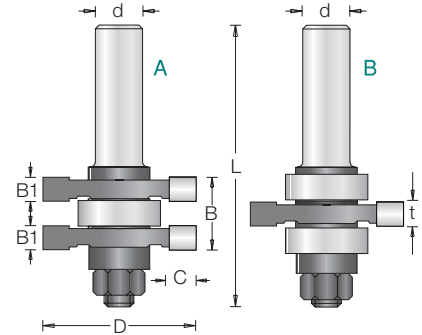
ROUTER BITS

## TONGUE & GROOVE ASSEMBLY WITH BALL BEARING GUIDE

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

### 2-WING

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



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

† 2 Piece set.

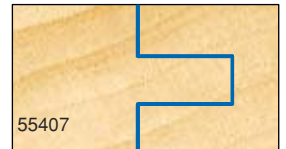
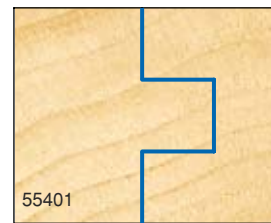
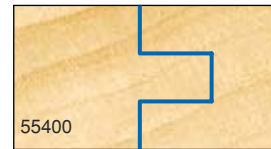
+ Can be used on 1/2" through 3/4" thick material.

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

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



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

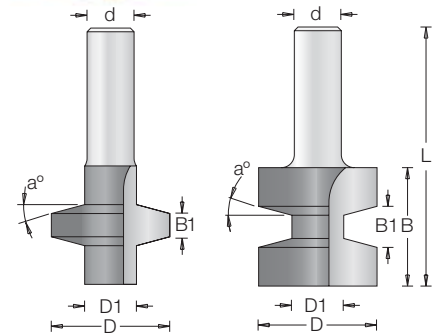


Replacement Parts	
Order #	Description
55354	1/4" Kerf cutters (2 required) for Tool #55400
55353	3/8" Kerf cutters (2 required) for Tool #55401
47612	1/2" Shank arbor with nut for Tool #55400
47613	1/2" Shank arbor with nut for Tool #55401
47708	Ball bearing guide (2 required)
55356	.05mm Shims (3 required)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

## WEDGE TONGUE & GROOVE

### 2 FLUTE

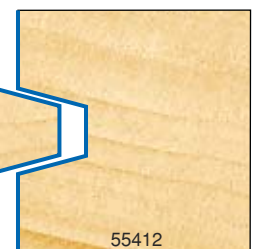
The tongue-and-groove joint cut by this two-bit set can be used for applications as diverse as assembling broad tabletops and other panels and making strip flooring. Use it on stock from 5/8" through 1-1/4" thick. The bits are available individually or as a two-piece set. Use in a table-mounted router.



ØD	ØD1	a°	B	Tool No.	B1	Ød	L	Description
1-1/4	9/16	15°	1-1/4	55410	1/4	1/2	2-3/4	Wedge groove
1-1/4	9/16	15°	1-1/4	55412	7/16	1/2	2-3/4	Wedge tongue
Complete Wedge T & G (2 piece set)				55414				



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





# Router Bits



Straight Plunge



Trimming & Beveling



Grooving



Profiling



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JOINTING



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Solid Surface

## ROUTER BITS

### BEAD AND 'V' PANELING ASSEMBLY WITH BALL BEARING GUIDE

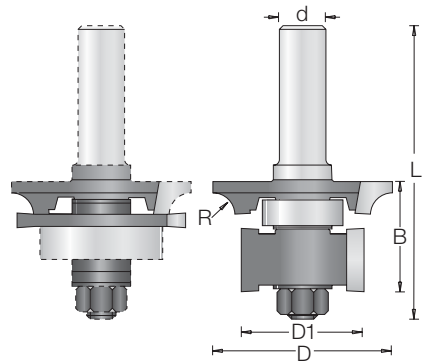
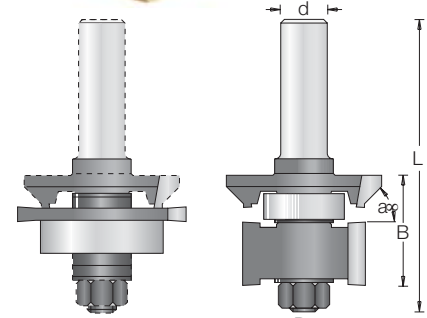
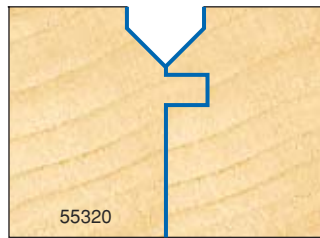
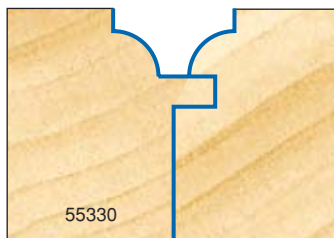
#### 2-WING

These assemblies are designed to cut tongue & groove joinery for solid wood paneling. Two patterns, a 1/4" bead (#55330) or a 45° 'V' (#55320), are available individually or as a set. Each assembly comprises a profile cutter, a rabbet cutter and a groove cutter, two different-size bearings, a 1/2" shank arbor, and a selection of washers, shims and spacers. Assemble the profile cutter, small bearing, and rabbet cutter as shown in the solid drawing to cut the tongue. To rout the groove, mount the groover and large bearing with the profiler, as shown in the ghosted drawing. The tool will work with stock from 1/2" through 1" thick.



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

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

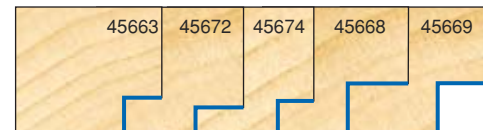
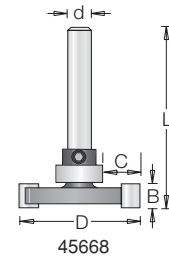


### FLOORING FOR "UNDERCUTTING"

#### 2 FLUTE • STRAIGHT DEDICATED CUTTER W/CHANGEABLE BEARINGS

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

ØD	C	B	Tool No.	Ød	L	Replacement 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	47714	47724
1-1/8	1/4	1/8	45672	1/4	1-7/8	47712	47724
1-1/4	3/16	5/32	45674	1/4	1-7/8	47708	47724

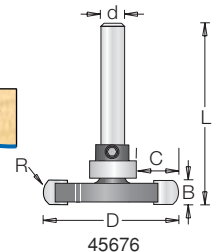
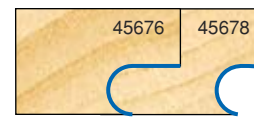


### FLOORING

#### 2 FLUTE • ROUNDED DEDICATED CUTTER W/CHANGEABLE BEARINGS

ØD	R	C	B	Tool No.	Ød	L	Replacement 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).

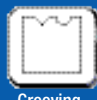




Straight Plunge



Trimming & Beveling



Grooving



Profiling



Rabbeting



JOINTING

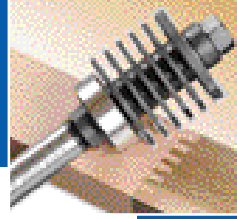


Door Making



Solid Surface

# Router Bits

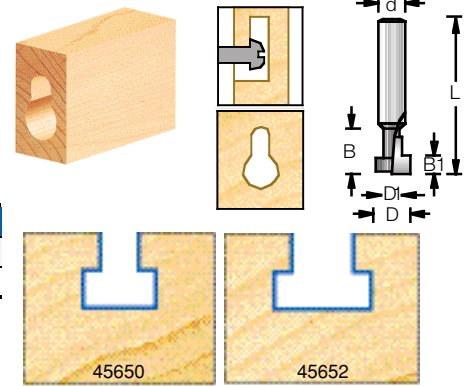


## KEYHOLE

### SINGLE FLUTE

Form keyhole slots in plaques, picture frames, and other wall-hanging items with this plunge-cutting bit. Plunge to form the entry, then advance the router to cut a short T-slot. Use in a handheld plunge router.

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



ROUTER BITS

## GLUE JOINT

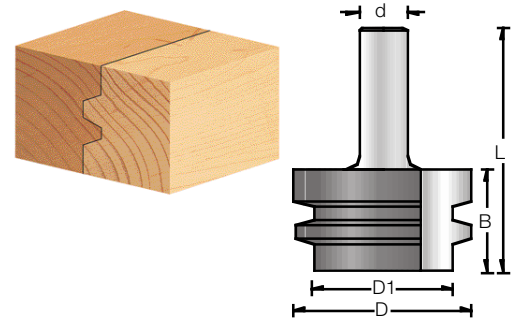
### 2 FLUTE

The glue joint cut by this bit is strong and self-aligning. One setup produces both halves of the joint. Adjust the bit so the center of its profile aligns with the stock center. Cut one part face down, the mate face up. Bit works on stock between 5/8" and 1" in thickness. Must be used in a table-mounted router. Since there is no guide bearing, use the router-table fence to control the cut.



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

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



## OGEE WINDOW SASH & RAIL

### 2-WING WITH BALL BEARING GUIDE

This reversible assembly is designed to cut window sash and glass door parts, including rails, stiles, mullions, and muntins, on stock between 1-1/8" and 1-3/4" thick. Assembly includes an ogee profile cutter, a rabbet cutter, one bearing, a 1/2" shank arbor, spacers, shims, and washers. Configure as shown in the drawing to cut profile and rabbet on all parts. Switch bearing and profile cutter and replace rabbet cutter with spacers to rout the copes. Use in a table-mounted router.

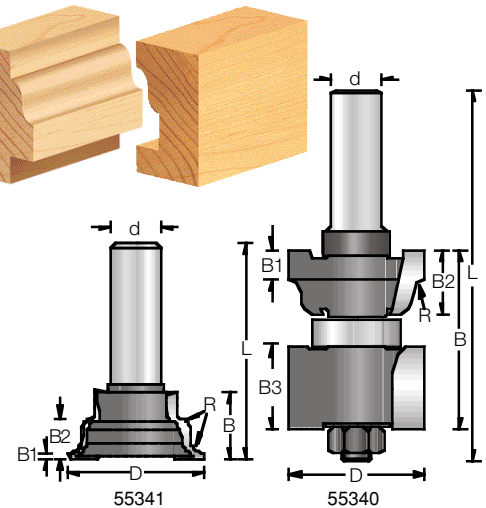


Use in a table-mounted router. Not for use in a handheld router!

ØD	R	'A' Reveal	B	Tool No.	B1	B2	B3	Ød	L
1-3/8	1/8	1/4	1-13/16	55340	5/16	5/8	7/8	1/2	3-3/4
1-3/8	1/8	—	21/32	55341	1/16	27/64	—	1/2	2-1/8



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



## ADJUSTABLE 'V' PANEL SET

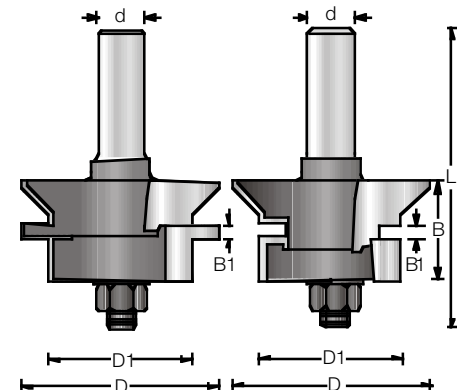
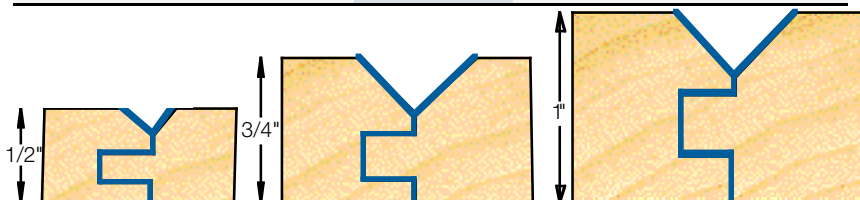
### 2-WING

This assembly is designed to create attractive 'V' groove paneling. Included in this set are spacers to produce 'V' paneling from 1/2", 3/4" or 1" thick stock.



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

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



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