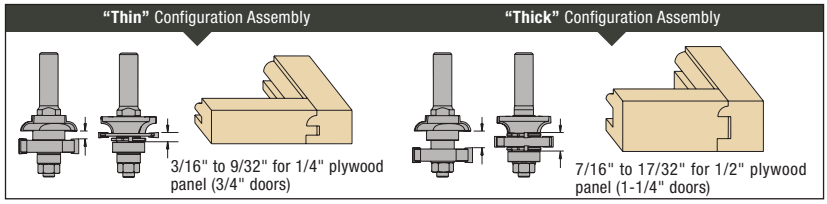
instile™ & RAIL SYSTEM

New STYLES

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



Cuts frame stock from 5/8" through 1-1/4" thickness

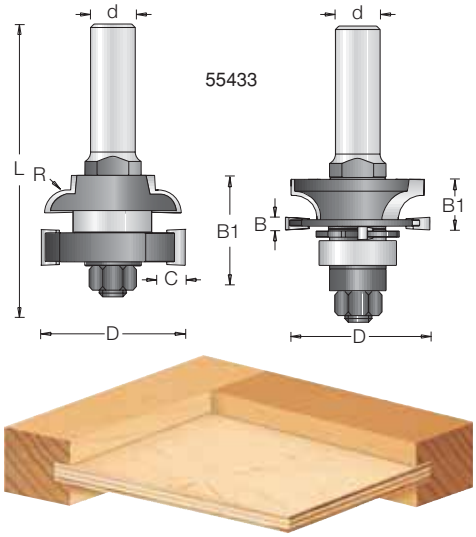
- Designed to cut precise grooves to provide undersized plywood veneered panels with a snug rattle free fit.
- Each set includes 2 pcs. (1 for stile cuts & 1 for rail cuts & shims).

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

MISSION STYLE
FLAT PANEL CABINET DOOR MAKING ROUTER BIT SET

PATENT PENDING

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



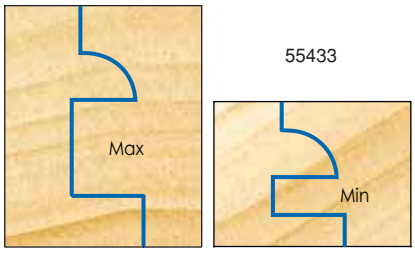
5/8" - 1-1/4" MATERIAL

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

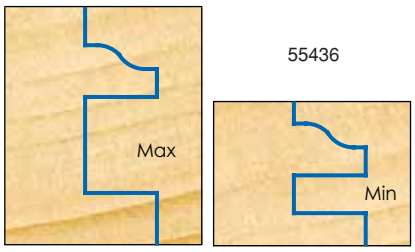
	ØD	R	a°	B	B1	Tool No.	C	Ød	L	Type
	1-5/8	5/32	—	11/16	5/8 - 1-1/4	**55433**	3/8	1/2	3-11/32	Concave
	1-5/8	1/4	—	11/16	5/8 - 1-1/4	**55436**	3/8	1/2	3-11/32	Ogee
	1-5/8	3/16	—	11/16	5/8 - 1-1/4	**55437**	3/8	1/2	3-11/32	Bead
New	1-5/8	—	—	11/16	5/8 - 1-1/4	**55438**	3/8	1/2	3-11/32	Mission - Straight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

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

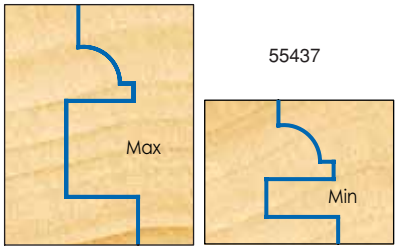
Concave / Convex



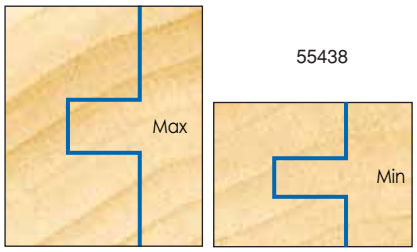
Ogee



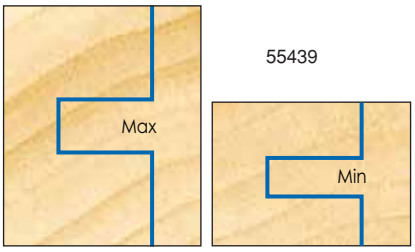
Bead



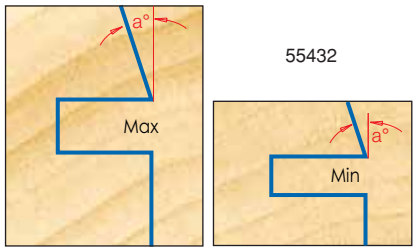
Mission (Arts & Crafts)



Mission (Arts & Crafts)



Straight with Bevel (Shaker)



2-PIECE STILE & RAIL SETS WITH BALL BEARING GUIDE

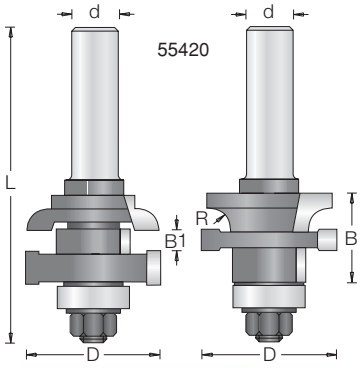
2-WING

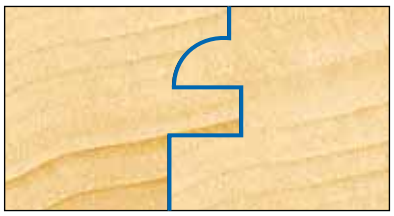
Our stile and rail sets give you two complete bits, one for doing the rail cuts, one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications. These sets are offered in two configurations, one for working material up to 1" thick,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

3/4" TO 1" MATERIAL

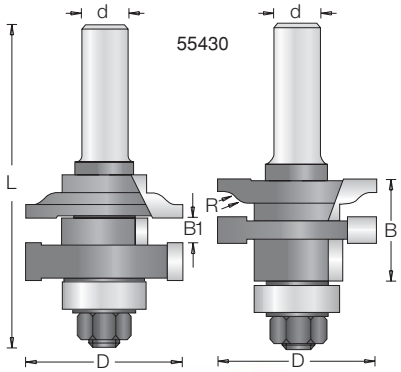
In addition to the components provided with sets of the first type, these sets include two trim cutters for stock 7/8" through 1" in thickness. (These trim cutters can be removed for making bearing-guided cuts on stock under 7/8" thick.) Use in a table-mounted router. Guide straight cuts with the fence, setting it tangent to the trim cutters. Use the pilot bearing only for cuts on curved rails or stiles; for cuts on curved parts 7/8" to 1" thick, a template must to used.

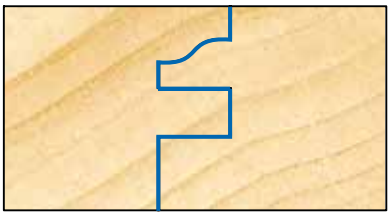
CONCAVE/CONVEX



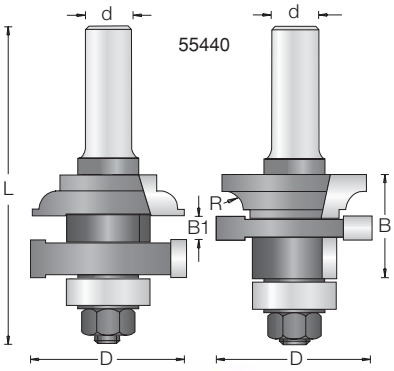


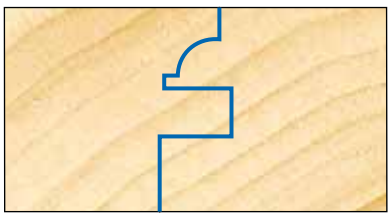
OGEE





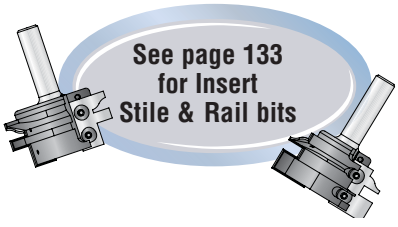
BEAD





3/4" to 1" MATERIALS

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



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

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

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

2-PIECE STILE & RAIL SETS WITH BALL BEARING GUIDE

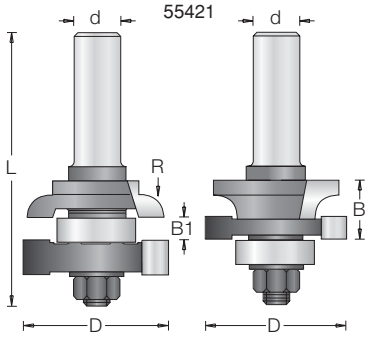
2-WING

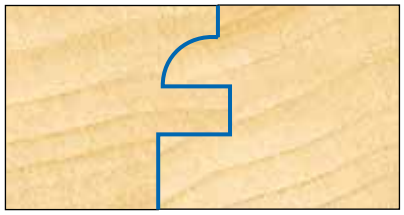
Our stile and rail sets give you two complete bits, one for doing the rail cuts, one for the stiles. Make cabinet doors and all varieties of frame-and-panel assemblies for furniture and architectural applications. The same three profiles are available in either configuration.

3/4" MATERIAL

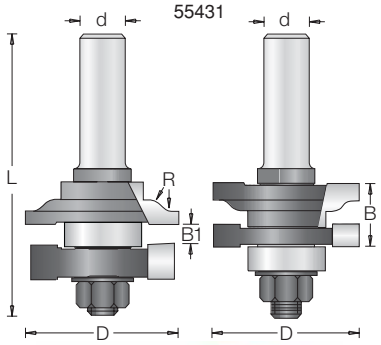
Bits in this set have profile and groove or rabbet cutters and ball-bearing guide mounted on a 1/2" shank. Respacing of the components should only be necessary – using the provided shims – after the cutters have been resharpened. Use in a table-mounted router. Guide straight cuts with the fence; use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

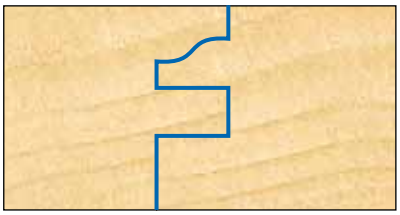
CONCAVE/CONVEX 55421



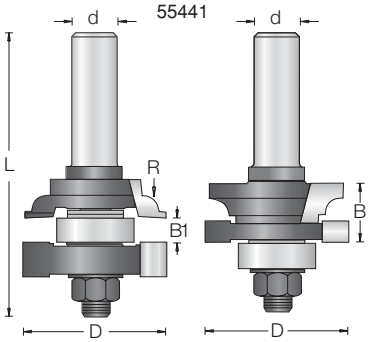


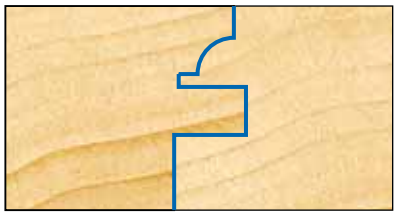
OGEE 55431



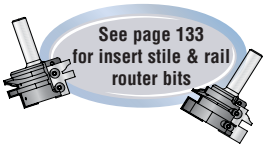


BEAD 55441





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



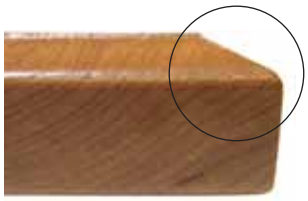
Use in a table-mounted router. Not for use in a handheld router!

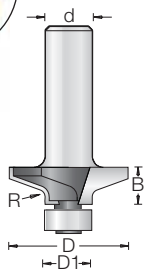
Complete listing of replacement parts can be found online at www.amanatool.com.

CABINET DOOR EDGE New

2-WING

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





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

See page 137 for insert cabinet door edge router bits.

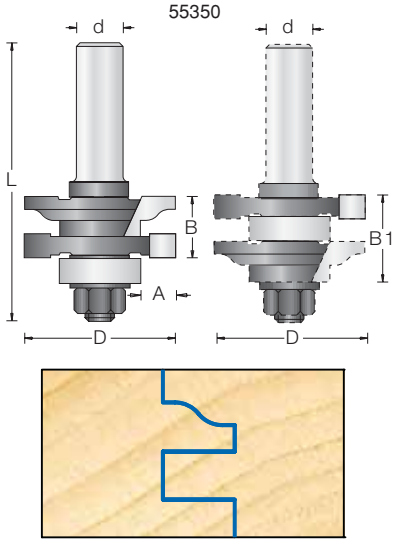
REVERSIBLE STILE & RAIL ASSEMBLIES WITH BALL BEARING GUIDE

2-WING

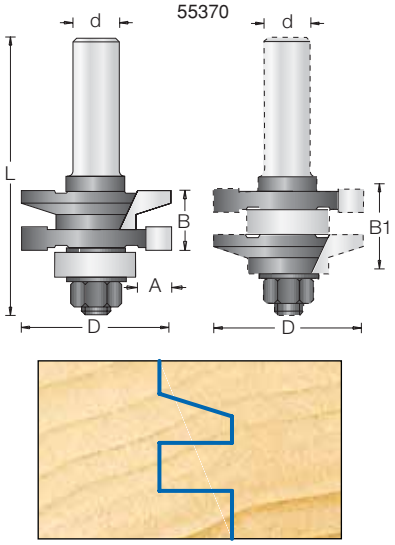
Cut both the stiles and rails with a single economical assembly. Switch from the stile cut to the rail cut simply by rearranging the cutters and bearing on the arbor. Because the profile and the cope are cut with the same cutter, you get a perfect fit. The assembly order for each setup is shown in the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

3/4" MATERIAL

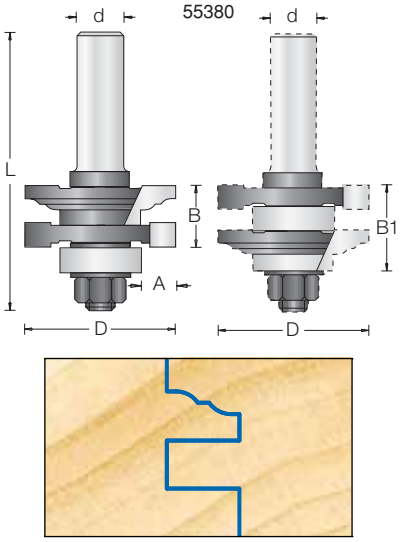
OGEE 55350



TRADITIONAL 55370



CLASSICAL 55380



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

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

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

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

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

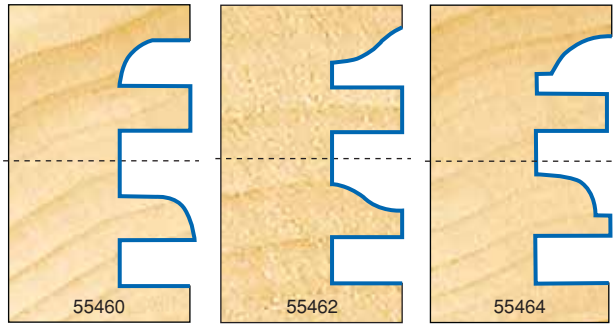
ONE PIECE STILE & RAIL

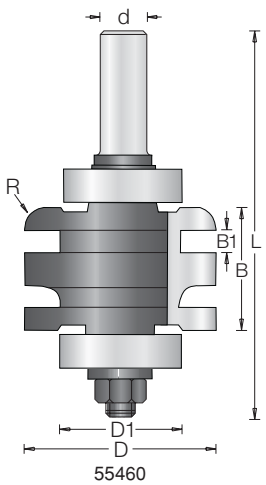
These one piece stile & rail bits are an easy and effective technique for creating cabinet door frames. You simply adjust the height of the bit accordingly in the router table to cut the profile cut (with bit lowered in the table) and the cope cut (with bit raised in the table).

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

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

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



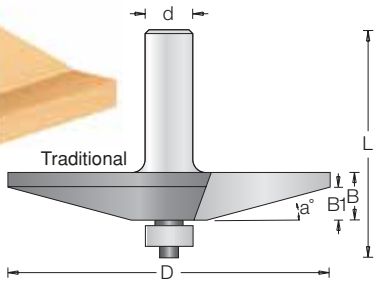


55460

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

RAISED PANEL WITH BALL BEARING GUIDE

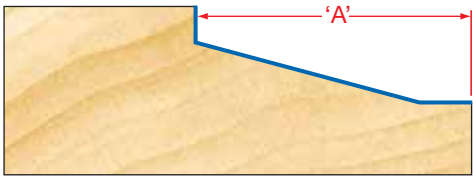
2 FLUTE



Create raised panels for cabinet doors, frame-and-panel furniture, and architectural paneling with a raised-panel bit. The cutter forms a fillet to delineate the raised field, a shaped band around the field, and an integral tongue to fit the panel groove in the frame members. The profile contour and the reveal width varies. All tools have 1/2" shanks. Must be used in a table-mounted 3+ horsepower router and run at reduced speed. Use these bits for panels with curved edges. Multiple passes recommended.

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

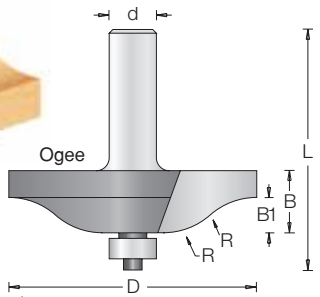
Replacement bearing #47706.



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

RAISED PANEL WITH BALL BEARING GUIDE

2 FLUTE

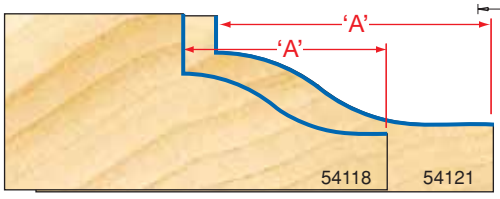


	ØD	*'A' Reveal	R	Tool No.	B	B1	Ød	L
20	2-5/8	*1-1/16	3/4	**54118**	5/8	5/16	1/2	2-1/2
14	3-3/8	*1-7/16	7/8	**54121**	9/16	3/8	1/2	2-1/2

Replacement bearing #47706.

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

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



See page 134 for insert raised panel router bits

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

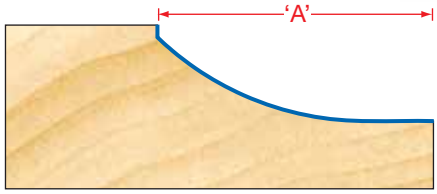
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

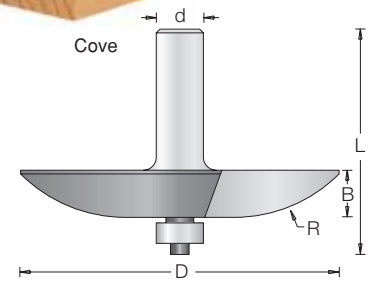
RAISED PANEL

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

Replacement bearing #47706.

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



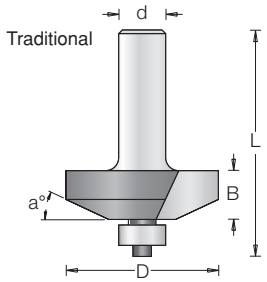


2 FLUTE WITH BALL BEARING GUIDE

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

Replacement bearing #47706.

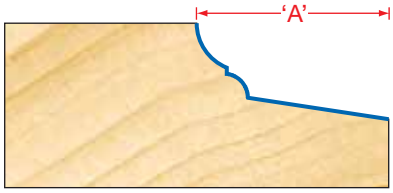
Use in a table-mounted router. Not for use in a hand held router!

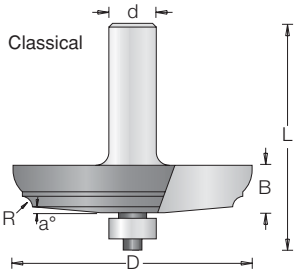


	ØD	*'A' Reveal	a°	Tool No.	R	B	Ød	L
20 ⚠!	2-1/2	*1	5°	**54115**	1/8	1/2	1/2	2-3/8

Replacement bearing #47706.

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





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

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

RAISED PANEL BACK CUTTER

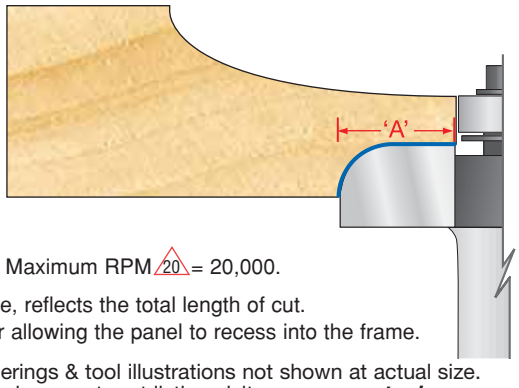
New

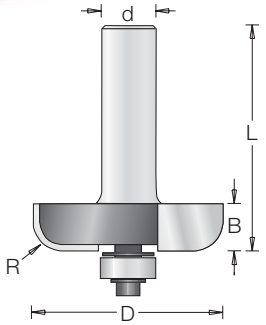
Designed to cut back side of raised panels for a flush alignment with door frames. This cutter can be used with any of our raised panel router bits found on pages 90, 91 and 93.

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

Replacement bearing #47706.

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





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

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

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

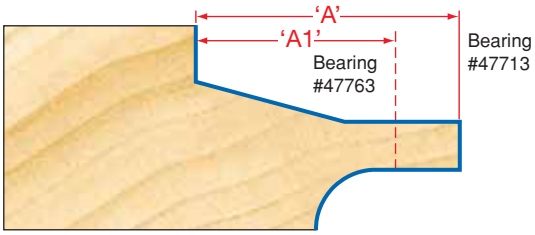
RAISED PANEL WITH BACK CUTTER

2 FLUTE WITH BALL BEARING GUIDE

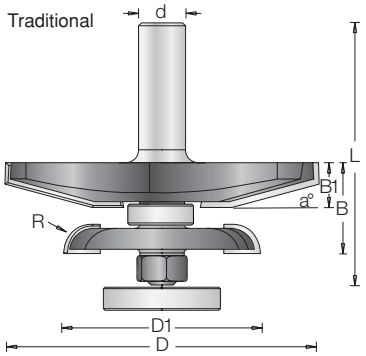
Raised panels fit standard panel grooves, even when the panel thickness exceeds 5/8". As the main cutter raises the front of the panel, the back cutter mills the back to produce a standard-thickness tongue around the panel. Each tool is supplied with two different guide bearings, enabling you to stage cuts on curved edges effectively and safely. All tools have 1/2" shanks. Must be used in a table-mounted 3+ horsepower router and run at reduced speed. Multiple passes recommended.

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

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

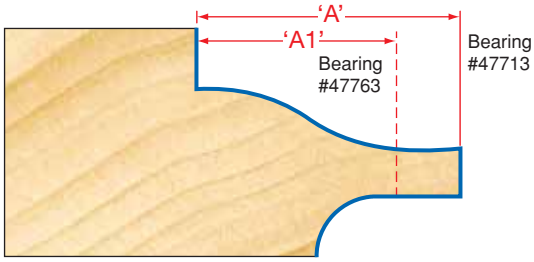


Traditional

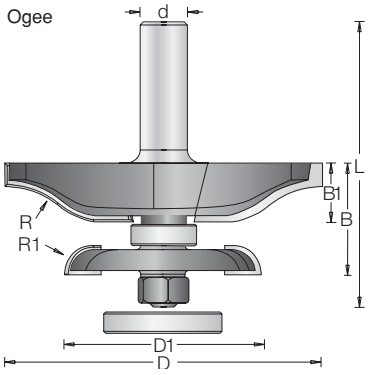


	ØD	ØD1	*'A' Reveal	**'A1'	R	Tool No.	R1	B	B1	Ød	L
12	3-3/8	2-1/8	1-3/8	1-1/16	7/8	**54221**	5/16	1-3/16	5/8	1/2	3-1/16

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

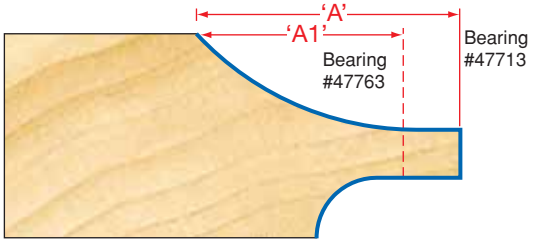


Ogee

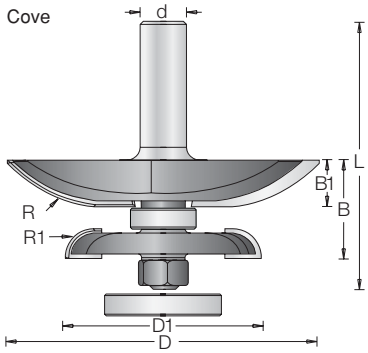


	ØD	ØD1	*'A' Reveal	**'A1'	R	Tool No.	R1	B	B1	Ød	L
12	3-3/8	2-1/8	1-3/8	1-1/16	1-9/16	**54229**	5/16	1-1/16	1/2	1/2	2-15/16

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



Cove

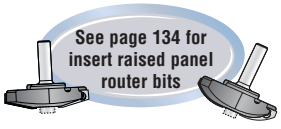


Use in a table-mounted router. Not for use in a handheld router!

⚠ **WARNING:** Maximum RPM 12 =12,000

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

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



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

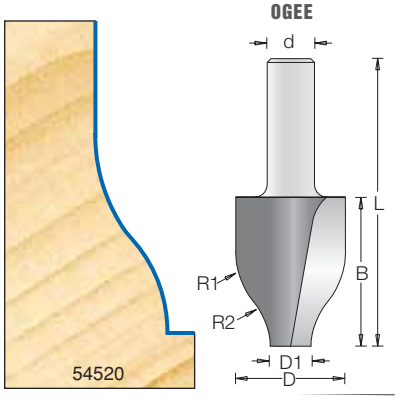
VERTICAL RAISED PANEL

2 FLUTE

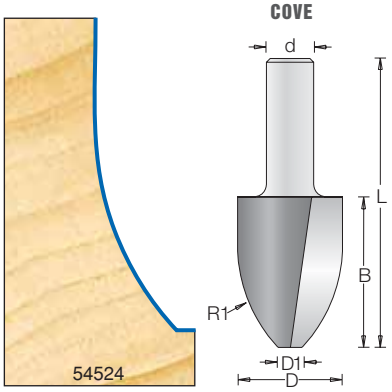
Raised panels with a low-horsepower, fixed speed router using these patented VERTICAL raised panel bits. You must do the work on a router table, with the work on edge, braced against the fence. Arched or curved shapes (i.e.: “cathedral” door panels) cannot be routed. To prolong tool life and get the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

ØD	ØD1	B	a°	R1	Tool No.	R2	R3	Ød	L	Type
1-3/16	7/16	1-5/8	—	7/8	**54520**	23/32	—	1/2	3-1/8	Ogee
1-1/8	9/32	1-5/8	—	1-9/16	**54524**	—	—	1/2	3-1/8	Cove
1-3/16	3/16	1-5/8	—	7/8	**54528**	23/32	1/8	1/2	3-1/8	Ogee w/Bead
1-1/8	19/32	1-5/8	15°	—	**54532**	—	—	1/2	3-1/8	Traditional
1-3/16	1/4	1-5/8	45°	7/8	**54536**	23/32	—	1/2	3-1/8	Ogee w/Chamfer
1	—	1-5/8	5°	1/8	**54540**	5/16	—	1/2	3-1/8	Cove w/Bead

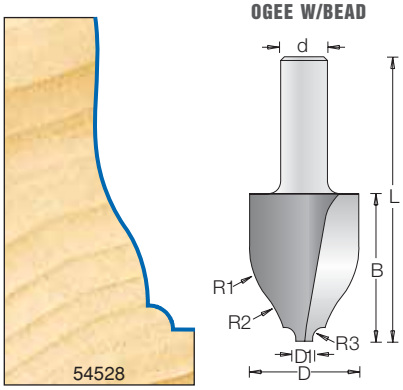
OGEE



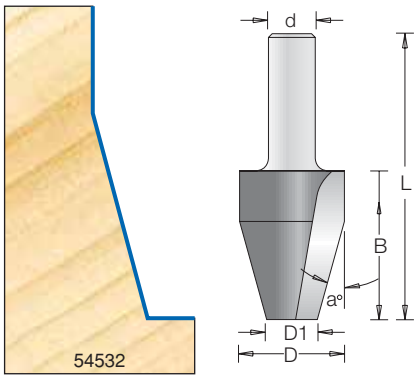
COVE



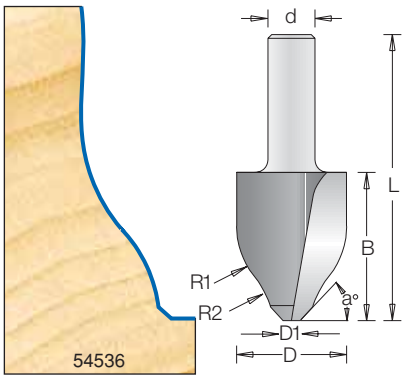
OGEE W/BEAD



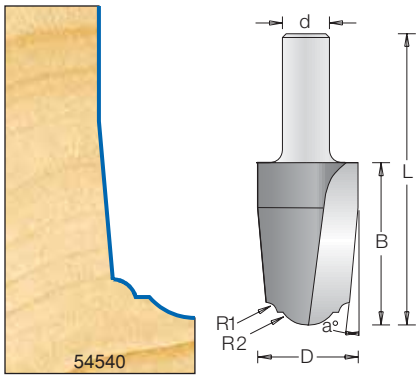
TRADITIONAL



OGEE W/CHAMFER

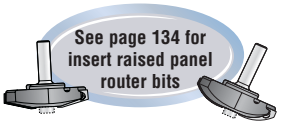


COVE W/BEAD



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

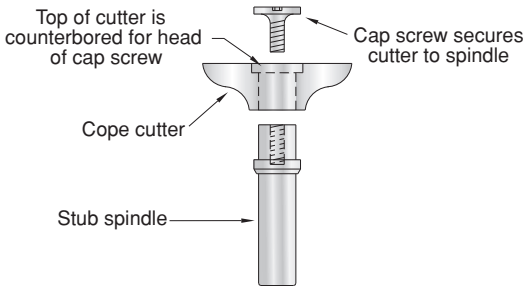
See page 134 for insert raised panel router bits



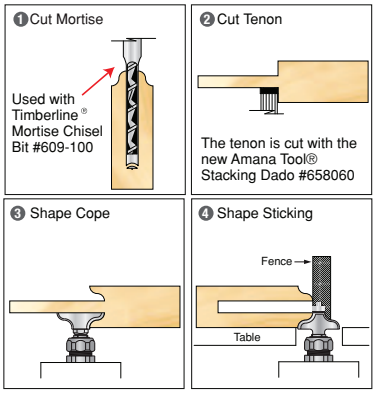
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

New

STUB SPINDLE & COPE CUTTER DOOR SYSTEM

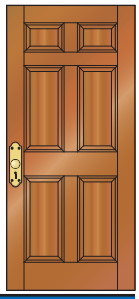


Use in a table-mounted router. Not for use in a hand held router!



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

Want the beauty of traditional cope and stick doors with the strength and longevity of true mortise-and-tenon joinery? Our newest design ***allows you to make beautiful doors with tenons of any length you choose.***
This unique door-making system utilizes a "stub" spindle & cope cutter arrangement. The counterbored cope cutter is secured to the spindle with a cap screw. A matching profile bit is used to shape the decorative ogee "sticking" along the edges of the stiles and rails. As the cope is cut on the ends of the rails, the tenon passes over the top of the bit unobstructed. This set is for making 1-3/4" thick entry doors with an ogee sticking. For use only in a table-mounted router.

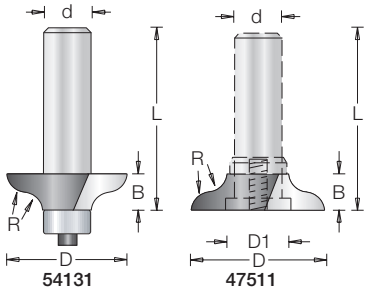


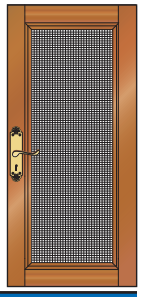
ENTRY DOOR BITS

2 FLUTE • 1-3/4" MATERIAL

ØD	ØD1	B	R	Tool No.	Ød	L	Type
2	3/4	5/8	11/32	**47511**	1/2	2	Cope Cutter w/stub spindle
1-3/4	–	11/16	11/32	**54131**	1/2	2-3/16	Ogee Bit

Replacement Parts:
Cope cutter #47510 • Stub spindle with screw #47617
Screw for stub spindle #67012 • Ball bearing #47706



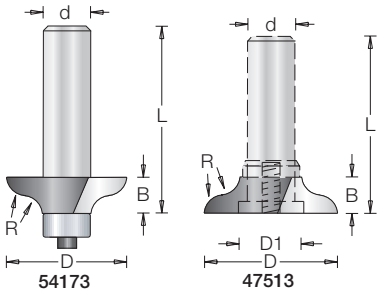


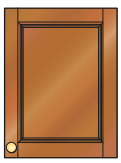
SCREEN DOOR BITS

2 FLUTE • 1-1/8" MATERIAL

ØD	ØD1	B	R	Tool No.	Ød	L	Type
1-1/2	3/4	3/8	7/32	**47513**	1/2	2	Cope Cutter w/stub spindle
1-1/4	–	3/8	7/32	**54173**	1/2	1-7/16	Ogee Bit

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



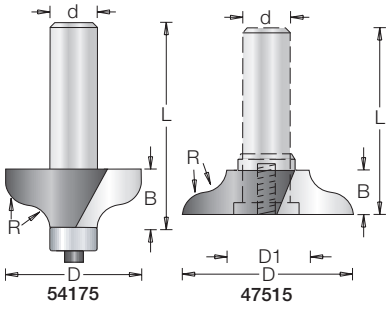


CABINET DOOR BITS

2 FLUTE • 7/8" MATERIAL

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

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



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

Amana Tool®

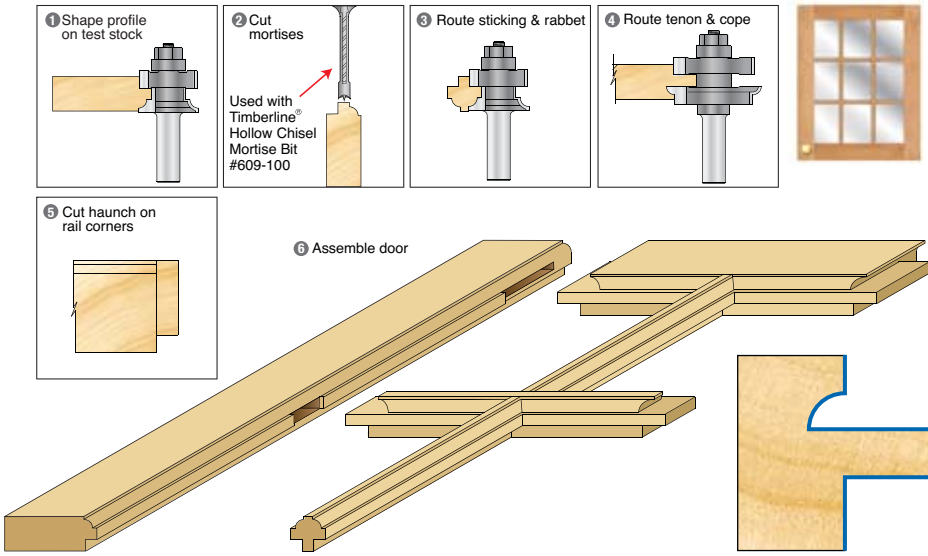
DIVIDED LIGHT CABINET DOOR BIT SET *New*

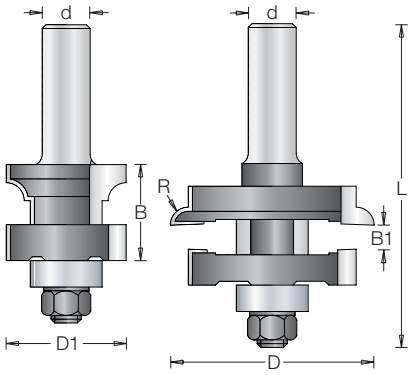
If you've wanted to construct true divided light doors for fine furniture and cabinets, look no further. Amana Tool®'s divided light entry door set enables you to make strong, attractive divided light doors with real mortise-and-tenon joints. The first bit shapes the decorative sticking along with a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

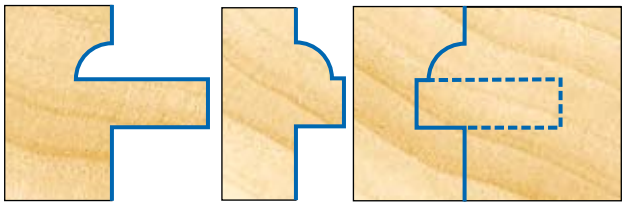
2 FLUTE • 3/4" TO 7/8" MATERIAL

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

Replacement Bearing #47759.

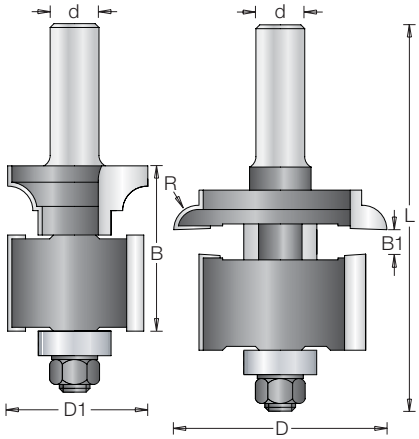






LARGE DIVIDED LIGHT DOOR BIT SET *New*

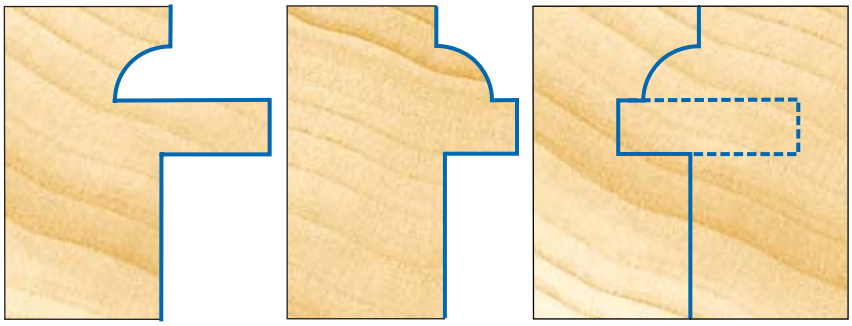
This bit set enables you to make strong, attractive divided light doors with real mortise-and-tenon joints. The first bit shapes the decorative sticking along with a rabbet for the glass. The second bit cuts the cope and the tenon. Once assembled, all of the door frame parts, stiles, rails, and mullions,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



2 FLUTE • 7/8" TO 1-1/2" MATERIAL

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

Replacement Bearing #47759.



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

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LONNIE BIRD New

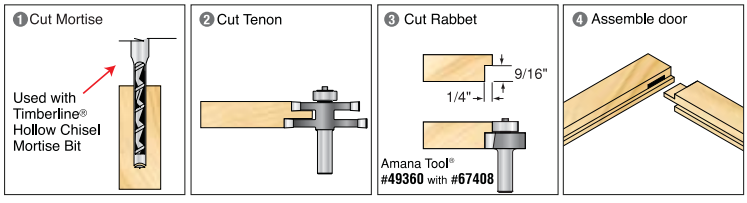
OFFSET MORTISE-AND-TENON BIT FOR MISSION STYLE GLASS DOOR

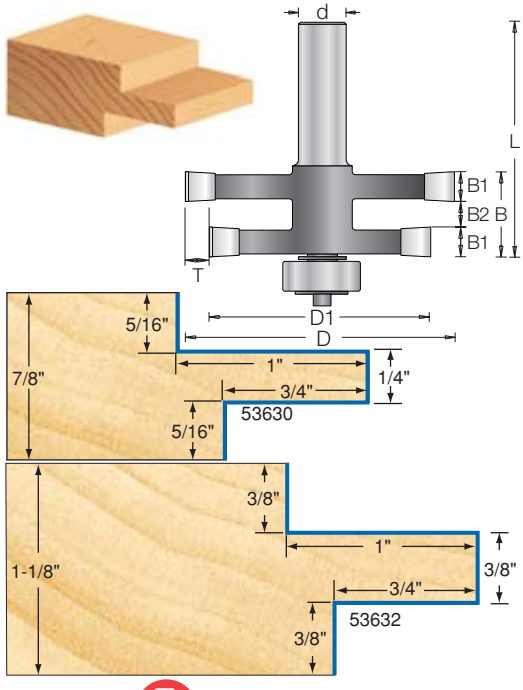
2 FLUTE • 3/4" TO 1-1/8" MATERIAL

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

ØD	ØD1	B	B1	B2	Tool No.	T	Ød	L	Use Mortise
2-7/8	2-3/8	7/8	5/16	1/4	**53630**	1/4	1/2	2-3/8	609-100
2-7/8	2-3/8	1-1/8	3/8	3/8	**53632**	1/4	1/2	2-5/8	609-120

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





Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
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DEEP MORTISE AND LONG TENON CABINET DOORS

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

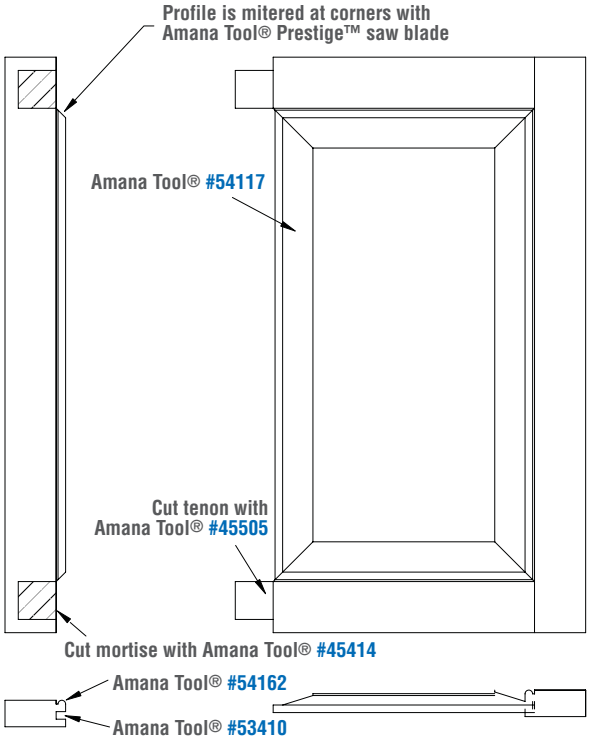
A common method for cutting tenons is with a tablesaw and a stacking dado head #658030 (p.209). Another option is to cut the tenon with a router table and mortising router bit #45505 (p.17). With either method, use the miter gauge to guide the stock along with the fence to control the tenon length.

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

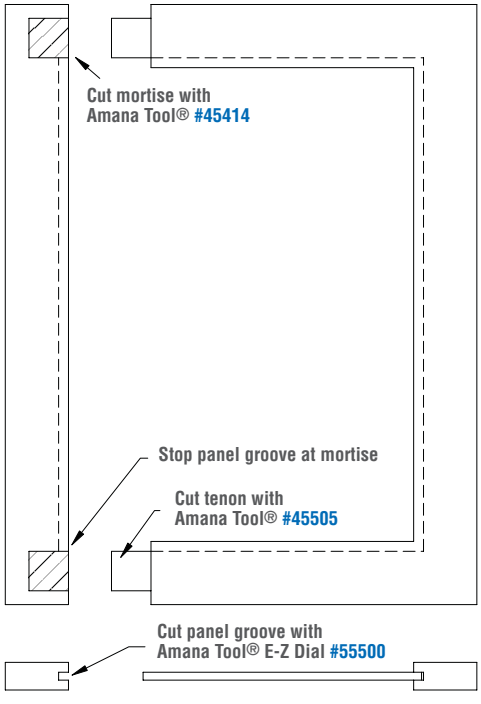
To cut the panel groove first decide what type of panel and panel material that you'll be using. There are a number of different raised panel profiles such as #54119 (p.93) and #54117 (p.92). To cut the 1/4" frame groove for the panel you can use Amana Tool® #53410 (p.78).

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

Door with Metering Stick



Mission Door with Mortise & Tenon



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

LONNIE BIRD New

TAMBOUR DOOR/APPLIANCE GARAGE ROUTER BIT SET

Patent Pending

2 FLUTE

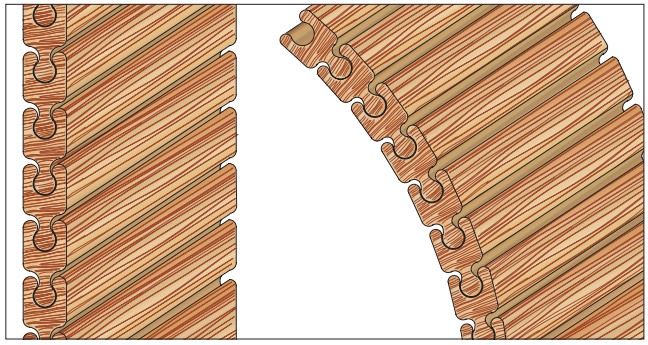
Lonnie Bird's **Tambour Door Bits** - requires no cloth or wires.

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

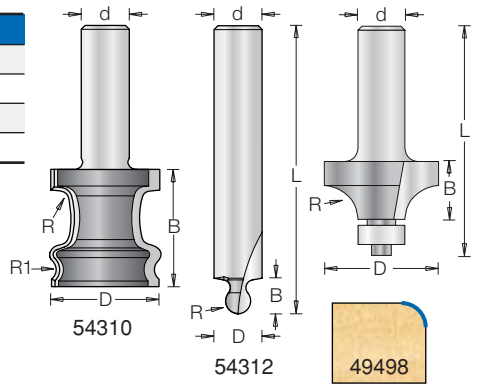
Each slat measures approximately 1/2" x 1".
The minimum radius for the tambour door is 3-1/2".
For use only in a table-mounted router.

Each Tambour Door Cutter set includes

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



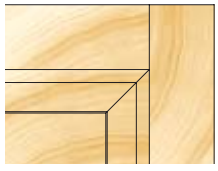
Use in a table-mounted router.
Not for use in a handheld router!



LONNIE BIRD

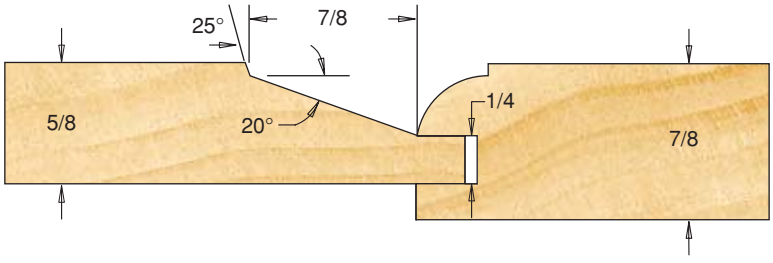
HISTORICAL SHAKER DOOR New

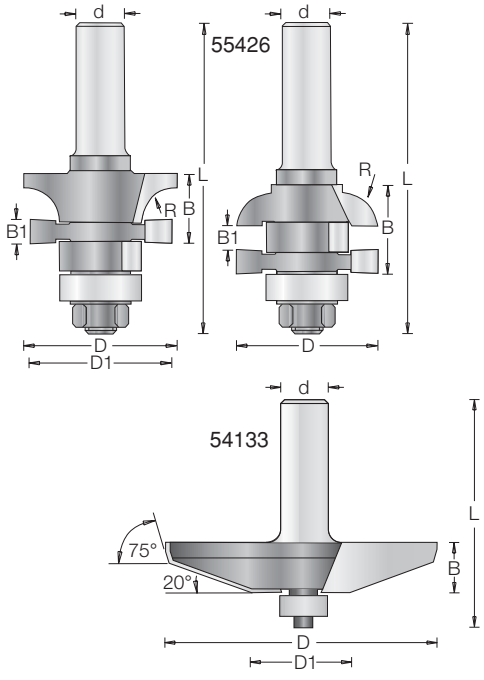
2 FLUTE • 7/8" FRAME MATERIAL AND 5/8" PANEL MATERIAL



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

ØD	D1	B	R	B1	Tool No.	Ød	L	Type
2-13/16	1	1/2	—	—	**54133**	1/2	2-1/64	Raised Panel
1-5/8	1-1/2	7/8	3/8	1/4	**55426**	1/2	3-1/2	2 Piece Set





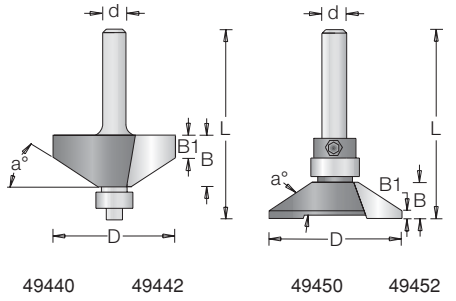
PROFILE SETS FOR GLASS DOORS, WINDOW, PANELING AND MANY OTHER JOINERY APPLICATIONS

2 FLUTE WITH BALL BEARING GUIDES • 1/4" SHANK

Install glass with trim.

Our Profile Cutters are a unique and versatile series that can be used for general profile routing, glass doors and windows, as well as stile and rail work. (The panel groove and stub tenon must be cut separately.) The inverted hand cutters will produce copes that nest perfectly into the profiles cut by the matching "regular" bits. In addition, the inverted head allows you to profile edges that are out of the reach of regular profile bits. These 1/4" shank bits will fit any router. All are equipped with ball bearing guides, either on the tip or on the shank.

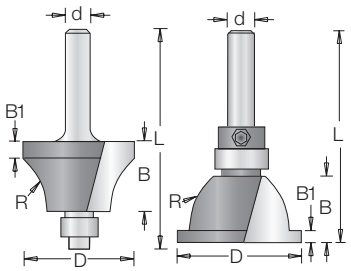
BEVEL SET



49440 49442 49450 49452

Set No. 49443 | Set No. 49453

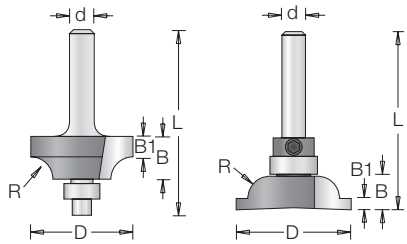
GLASS DOOR SET



49650 49652

Set No. 49653

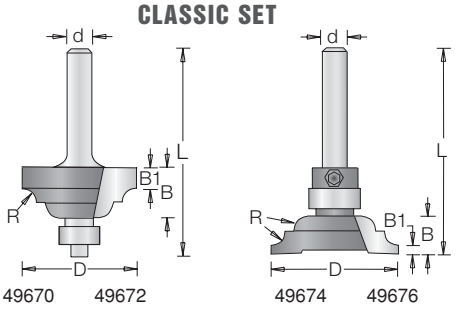
BEAD SET



49640 49642 49644 49646

Set No. 49643 | Set No. 49647

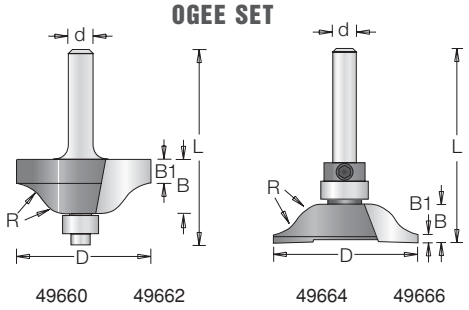
CLASSIC SET



49670 49672 49674 49676

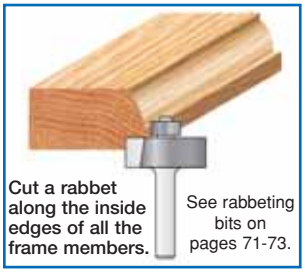
Set No. 49673 | Set No. 49677

OGEE SET



49660 49662 49664 49666

Set No. 49663 | Set No. 49667



Cut a rabbet along the inside edges of all the frame members.

See rabbeting bits on pages 71-73.

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

Individual Cutters:

ØD	R	a°	B	Tool No.	B1	Ød	L	Type
1-5/16	–	33°	1/2	**49440**	9/32	1/4	2	Bevel Stile
1-1/2	–	33°	3/8	**49442**	3/32	1/4	2	Bevel Rail
1-1/2	–	32°	5/8	**49450**	17/64	1/4	2	Bevel Stile
1-11/16	–	32°	1/2	**49452**	7/64	1/4	2	Bevel Rail
1-1/8	1/4	–	3/8	**49640**	1/4	1/4	2	Bead Stile
1-1/4	1/4	–	5/16	**49642**	7/64	1/4	2	Bead Rail
1-5/16	3/8	–	5/8	**49644**	17/64	1/4	2	Bead Stile
1-1/2	3/8	–	9/16	**49646**	1/8	1/4	2	Bead Rail
1-1/16	11/16	–	11/16	**49650**	11/64	1/4	2	Window Stile
1-7/32	11/16	–	5/8	**49652**	1/8	1/4	2	Window Rail
1-11/32	11/32	–	1/2	**49660**	1/4	1/4	2	Ogee Stile

Individual Cutters:

ØD	R	a°	B	Tool No.	B1	Ød	L	Type
1-1/2	11/32	–	3/8	**49662**	3/32	1/4	2	Ogee Rail
1-1/2	11/32	–	9/16	**49664**	1/4	1/4	2	Ogee Stile
1-19/32	11/32	–	3/8	**49666**	1/8	1/4	2	Ogee Rail
1-3/32	9/64	–	1/2	**49670**	3/16	1/4	2	Classical Stile
1-1/4	9/64	–	3/8	**49672**	5/64	1/4	2	Classical Rail
1-5/16	3/16	–	5/8	**49674**	7/32	1/4	2	Classical Stile
1-1/2	3/16	–	9/16	**49676**	1/8	1/4	2	Classical Rail

Replacement bearing for Stile Cutters #47702 (3/8" dia.).
Replacement bearing for Rail Cutters #47701 (1/2" dia.).
Replacement collar for Rail Cutters #47724.

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

Amana Tool®

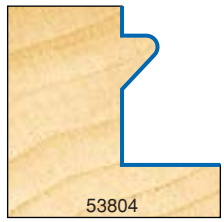
FINGER GRIP

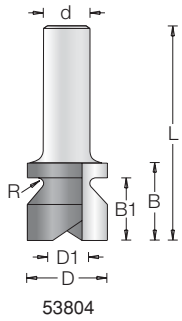
(DRAWER PULL, DOOR LIP, ETC.)

2 FLUTE

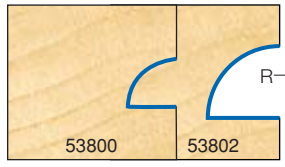
Produce clean, modern chests and cabinets uninterrupted by hardware pulls and knobs by integrating the pulls into the doors, drawers and lids. These one-pass cutters offer many appearance and ergonomic options, providing positive grips and softened, easy-on-the-fingers edges. All bits can be used in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

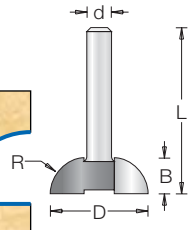
ØD	ØD1	R	B	Tool No.	B1	Ød	L
7/8	1/2	1/16	13/16	**53804**	43/64	1/2	2-5/16





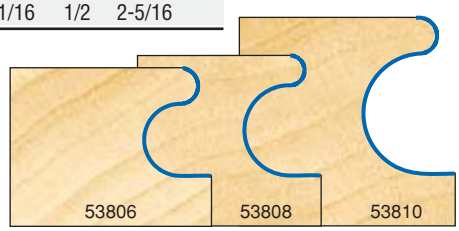
ØD	R	Tool No.	B	Ød	L
3/4	1/4	**53800**	1/4	1/4	1-3/4
1	3/8	**53802**	3/8	1/4	1-3/4

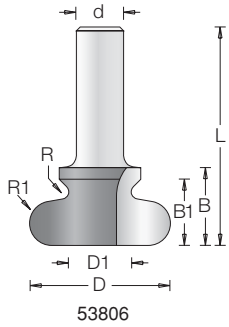




ØD	ØD1	R	R1	Tool No.	B	B1	Ød	L
3/4	25/64	7/64	3/16	**53806**♦	3/4	39/64	1/2	2-1/4
1-1/2	11/16	5/64	15/64	**53808**♦	13/16	45/64	1/2	2-5/16
1-3/4	11/16	7/64	13/64	**53810**♦	13/16	11/16	1/2	2-5/16

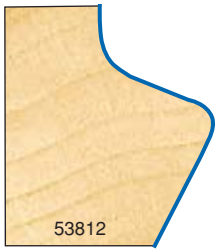
♦ Use in a table-mounted router. Not for use in a handheld router!

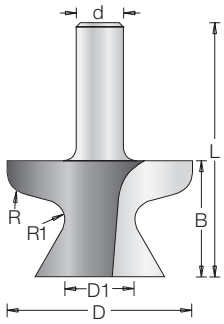


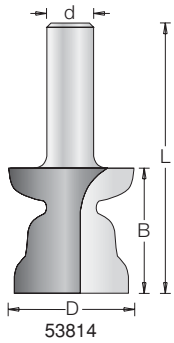


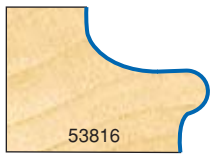
ØD	ØD1	D2	R	Tool No	R1	B	Ød	L
2	3/4	–	1/4	**53812**♦	3/16	1-1/4	1/2	2-3/4
1-3/32	–	–	–	**53814**♦	–	1-1/4	1/2	2-3/4
1-21/32	.386	.649	1/2	**53816**♦	7/64	3/4	1/2	2-1/4

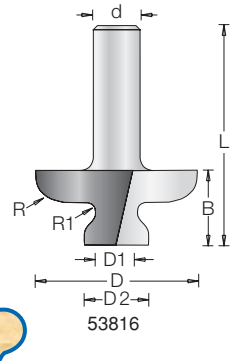
⚠14 ⚠! **WARNING:** Maximum RPM ⚠14 = 14,000.









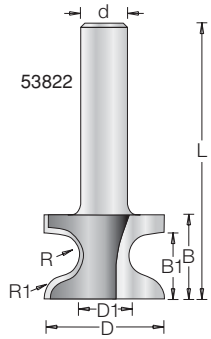


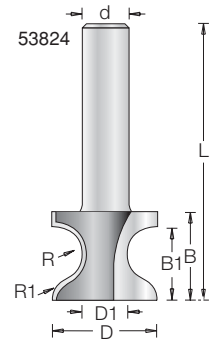
Wood profiles shown at actual size. 3D renderings & tool illustrations not shown at actual size.
For additional 1:1 profiles and a complete replacement part listing visit ***www.amanatool.com***

WINDOW SILL EDGE

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

ØD	D1	R	R1	Tool No	B	B1	Ød	L
1-1/4	1/2	7/32	1/4	**53822**	13/16	11/16	1/2	2-7/8
1-7/16	5/8	3/8	5/16	**53824**	1-1/8	1	1/2	3-7/8





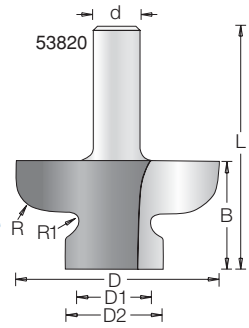
DOOR EDGE DETAIL

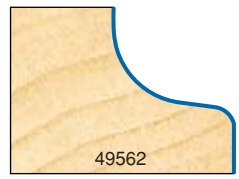
FOR (DECO)™ DOOR

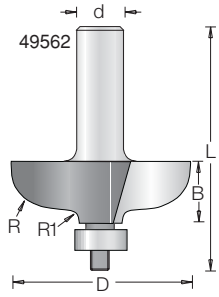
Use these bits to shape the edges of cabinet doors. Style #53820 also eliminates the need for a pull to create a clean, uncluttered look.

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

Replacement bearing #47706 for Tool #49562.







DOOR LIP ASSEMBLY

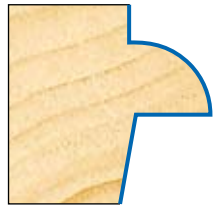
CORNER ROUND & TAPER RABBET• 2 FLUTE • COMPLETE ASSEMBLY

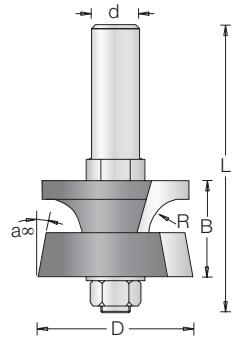
Mill the edges of doors and drawer fronts with this assembly, rounding the show edge and simultaneously forming a rabbet with a tapered shoulder on the back edge. Works on straight stock from 5/8" through 1" in thickness. Must be used in a table-mounted router.

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

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

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





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