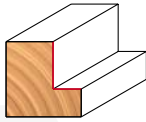


Rabbeting Bits



- Produces super smooth cuts on both surfaces of the rabbet.
- Can be used for joining boards and for letting in back panels.
- Steel pilots can be removed from bits and used with edge guides for wider rabbets.

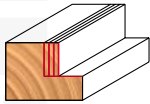
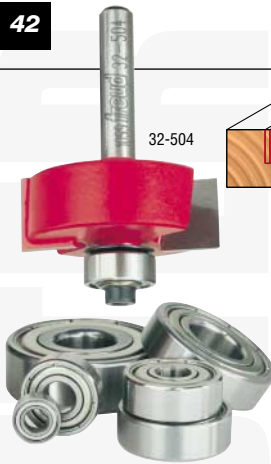
Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Bearing Dia.	Cut Depth	Carbide Height	Shank Dia.	Overall Length
32-096	1 1/4"	1/2"	3/8"	3/8"	1/4"	2"
32-098	1 1/4"	1/2"	3/8"	5/8"	1/4"	2 1/4"
32-100	1 1/4"	1/2"	3/8"	1/2"	1/4"	2"
32-101	1 3/8"	3/8"	1/2"	1/2"	1/4"	2 1/4"
32-102	1 1/4"	1/2"	3/8"	1/2"	1/2"	2 1/4"
32-106	1 3/8"	3/8"	1/2"	1/2"	1/2"	2 1/4"
32-110	1 3/8"	3/8"	1/2"	3/4"	1/2"	2"
Steel Pilots						
32-302	1 1/4"	1/2"	3/8"	3/8"	1/4"	1 1/8"
32-306	1 1/4"	1/2"	3/8"	5/8"	1/4"	2"

See pages 82-83 for replacement bearing item numbers.

42



Rabbeting Bits with Bearing Set

- Comes with interchangeable bearings to cut rabbets of different depths.

- Produces super smooth cuts on both surfaces of the rabbet.
- Can be used for joining boards or for letting in back panels.
- Depth of rabbet can be altered by changing bearing.
- 32-504, 32-524 and 32-526 can also be used as flush cutting trim bits.
- Wrench included.

Application:

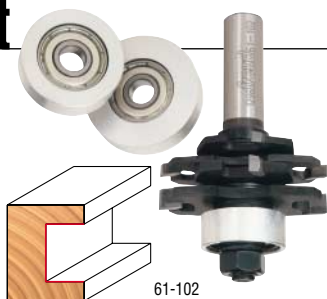
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Rabbeting Depths	Carbide Height	Shank Dia.	Overall Length
32-502	1 3/8"	5/16", 3/8", 7/16", 1/2"	1/2"	1/4"	2 1/4"
32-504	1 3/8"	flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"	1/2"	1/4"	2 1/4"
32-522	1 3/8"	5/16", 3/8", 7/16", 1/2"	1/2"	1/2"	2 1/4"
32-524	1 3/8"	flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"	1/2"	1/2"	2 1/4"
32-526	1 3/8"	flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"	3/4"	1/2"	2 1/2"

See pages 82-83 for replacement bearing item numbers.

Stacked Slotting Set

- Produces grooves $\frac{1}{8}$ " to $\frac{23}{32}$ " wide.
- Select three different cut depths ($\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ "") by changing the bearings.
- Bodies are heat treated for strength and computer balanced for vibration-free operation.
- Features Freud's kickback-reducing design for added safety.
- Includes Freud's slotting cutter arbor 60-202, 3 bearings and 4 specially designed slotting cutters.



Application:

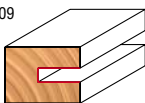
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
61-102	2"	$\frac{1}{8}$ "- $\frac{23}{32}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Replacement Bearings				
Item Number	Overall Dia.	Cut Depth		
62-120	1"	$\frac{1}{2}$ "		
62-121	$1\frac{1}{4}$ "	$\frac{3}{8}$ "		
62-122	$1\frac{1}{2}$ "	$\frac{1}{4}$ "		
Replacement Cutters				
Item Number	Overall Dia.	Carbide Height		
54-108	2"	$\frac{1}{8}$ "		

Three Wing Slotting Cutters



56-109



- Produces a precision slot for T-mouldings, spline joints and many other applications.
- Bodies are heat treated for strength and computer balanced for vibration-free operation.
- Features Freud's kickback-reducing design for added safety.
- Should be used with Freud's slotting cutter arbors 60-100 for 1/4" shanks and 60-102 for 1/2" shank.
- Compatible with 62-108 bearing.
- Cutter 56-109 can be used for biscuit joining.

Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

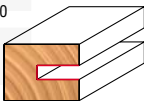
Item Number	Overall Dia.	Bore Dia.	Carbide Height
56-100	2"	5/16"	1/16"
56-106	2"	5/16"	3/32"
56-108	2"	5/16"	1/8"
56-109	2"	5/16"	5/32"
56-110	2"	5/16"	3/16"
56-112	2"	5/16"	1/4"

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Four Wing Slotting Cutters



58-110



- Produces a precision slot for T-mouldings, spline joints and many other applications.
- Bodies are heat treated for strength and computer balanced for vibration-free operation.

- Feature Freud's kickback-reducing design for added safety.
- Should be used with Freud's slotting cutter arbors 60-100 for 1/4" shanks and 60-102 for 1/2" shank.
- Compatible with 62-108 bearing.

Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Bore Dia.	Carbide Height
58-100	2"	5/16"	1/16"
58-104	2"	5/16"	2mm
58-106	2"	5/16"	3/32"
58-108	2"	5/16"	1/8"
58-110	2"	5/16"	3/16"
58-112	2"	5/16"	1/4"

NEW

Slotting Cutter Arbors

- Produces smooth, precise, accurate slots when used with Freud slotting cutters.
- Compatible with any slotting cutter with a $\frac{5}{16}$ " arbor.
- 60-120 and 60-122 include bearing #62-108

Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Arbor Dia.	Stud Height	Arbor Height	Shank Dia.	Overall Length
60-100	$\frac{5}{16}$ "	1"	$\frac{25}{64}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
60-102	$\frac{5}{16}$ "	1"	$\frac{25}{64}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "
60-120	$\frac{5}{16}$ "	1"	$\frac{25}{64}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
60-122	$\frac{5}{16}$ "	1"	$\frac{25}{64}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "
60-152	$\frac{5}{16}$ "	$2\frac{1}{4}$ "	$\frac{5}{8}$ "	$\frac{1}{2}$ "	$4\frac{1}{4}$ "



Slotting Cutter Sets

- Produces grooves $\frac{1}{16}$ " deep.
- Bodies are heat treated for strength and computer balanced for vibration-free operation.
- Features Freud's kickback-reducing design for added safety.
- Includes three wing slotting cutter, arbor and ball bearing.

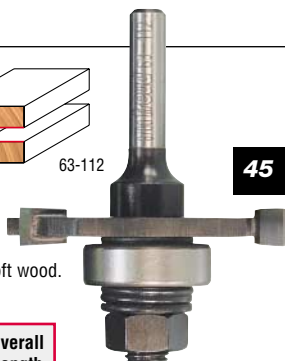


63-112

45

Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.



Item Number	Overall Dia.	Carbide Height	Cut Depth	Shank Dia.	Overall Length
63-100	2"	$\frac{1}{16}$ "	$\frac{9}{16}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
63-104	2"	$\frac{5}{64}$ "	$\frac{9}{16}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
63-106	2"	$\frac{3}{32}$ "	$\frac{9}{16}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
63-108	2"	$\frac{1}{8}$ "	$\frac{9}{16}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
63-109	2"	$\frac{5}{32}$ "	$\frac{9}{16}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
63-110	2"	$\frac{3}{16}$ "	$\frac{9}{16}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
63-111	2"	$\frac{15}{64}$ "	$\frac{9}{16}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
63-112	2"	$\frac{1}{4}$ "	$\frac{9}{16}$ "	$\frac{1}{4}$ "	$2\frac{3}{8}$ "
63-150	2"	$\frac{1}{16}$ "	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "
63-154	2"	$\frac{5}{64}$ "	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "
63-156	2"	$\frac{3}{32}$ "	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "
63-158	2"	$\frac{1}{8}$ "	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "
63-159	2"	$\frac{5}{32}$ "	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "
63-160	2"	$\frac{3}{16}$ "	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "
63-161	2"	$\frac{15}{64}$ "	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "
63-162	2"	$\frac{1}{4}$ "	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$2\frac{3}{8}$ "

See pages 82-83 for replacement bearing item numbers.

Biscuit Joining Set

99-041



- Creates perfect slots for joining with biscuits.
- Easy and economical way to join wood.

Application:

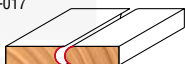
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
99-041	1 ²⁷ / ₃₂ "	5/ ₃₂ "	1/2"	3 ¹ / ₄ "
Replacement Cutter				
52-154	1 ²⁷ / ₃₂ "	5/ ₃₂ "	5/ ₁₆ "	—
Biscuit				
Size	Bearing Dia.	Cut Depth	Bearing Number	
00	30mm	8.5mm	62-128	
10	26mm	10.5mm	62-124	
20	22mm	12.5mm	62-108	

Canoe Joint Bits

46

99-017



- Combine these two bits to create joints for projects such as circular planters and canoes.
- Bit 99-017 cuts the flute.

- Bit 99-018 cuts the mating bead.

Application:

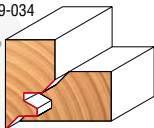
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

99-018

Item Number	Overall Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
99-017	1 ¹ / ₂ "	1/4"	1/8"	1/2"	1 ¹¹ / ₁₆ "
99-018	1 ¹ / ₂ "	3/8"	1/8"	1/2"	1 ⁷ / ₈ "

Lock Miter Bits

99-034



- Produces locking miter joints in a snap.
- Run one board vertically and the piece to be joined horizontally.
- 99-035 cuts thinner panels for projects such as humidors and jewelry boxes.

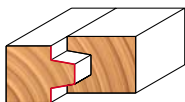
Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as table-mounted portable routers.

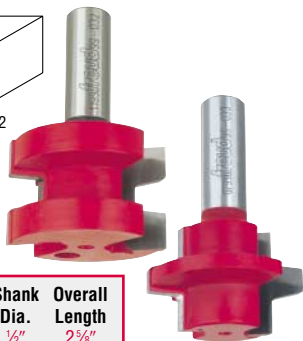
Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
99-034	2 ³ / ₄ "	1 ³ / ₃₂ "	1/2"	2 ⁵ / ₈ "
99-035	2 ¹ / ₆₄ "	7/8"	1/2"	2 ³ / ₈ "

Wedge Tongue & Groove Bits

- Perfect for gluing together boards for wide projects such as table tops.
- Provide a strong joint, due to the increased glue area.



99-032



99-033

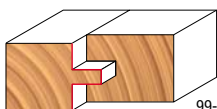
Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

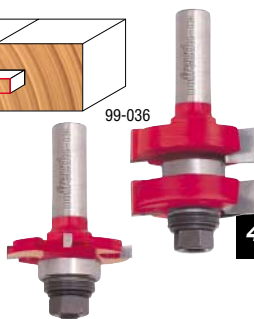
Item Number	Overall Dia.	Cut Depth	Carbide Height	Minor Height	Angle	Shank Dia.	Overall Length
99-032	1 ²¹ / ₃₂ "	5/ ₁₆ "	1 ³ / ₃₂ "	3/ ₈ "	10°	1/ ₂ "	2 ⁵ / ₈ "
99-033	1 ²¹ / ₃₂ "	5/ ₁₆ "	1 ³ / ₃₂ "	3/ ₈ "	10°	1/ ₂ "	2 ⁵ / ₈ "

Adjustable Tongue & Groove Bit Set

- Exclusive design produces perfectly fitted tongue and groove joints.
- Ideal for Shaker style cabinet doors.
- Adjustable for stock thickness of 1/2" to 1 1/4" and groove widths of 1/32" to 3/8".
- Opposing shear angles of the tongue cutter ensure flawless finish.



99-036



47

Application:

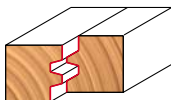
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on table-mounted portable routers.

Item Number	Bit Type	Overall Dia.	Bearing Dia.	Carbide Height	Shank Dia.	Overall Length
99-036	Tongue Bit	1 ³ / ₄ "	7/ ₈ "	7/ ₃₂ "-3/ ₈ "	1/ ₂ "	3 ¹ / ₄ "
	Groove Bit	1 ³ / ₄ "	7/ ₈ "	1 ³ / ₁₆ "-1 ¹ / ₃₂ "	1/ ₂ "	2 ¹ / ₁₆ "

U.S. Pat. No. 6,367,524.

Reversible Glue Joint Bit

- Provides a stronger joint by increasing the surface area for glue.
- Plane boards to a uniform thickness; align bit to the center of the board; then reverse each board for a perfect glue joint.



99-031



Application:

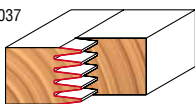
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Angle	Shank Dia.	Overall Length
99-031	1 ¹ / ₂ "	1 ³ / ₁₆ "	1 ¹ / ₄ "	2 ³ / ₆₄ "	30°	1/ ₂ "	2 ³ / ₄ "

Finger Joint Bit



99-037



- Ideal for joining wood edge to edge or end to end.
- Produces a joint that is stronger than the wood itself.
- Tips on each side of the bit are offset, cutting twice as many fingers as you see tips on each side of the bit.

Application:

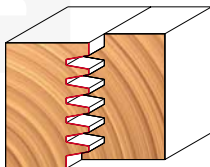
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Cut Depth	Carbide Height	Minor Height	Shank Dia.	Overall Length
99-037	1 $\frac{3}{8}$ "	$\frac{5}{16}$ "	1 $\frac{1}{16}$ "	$\frac{21}{64}$ "	$\frac{1}{2}$ "	3"

Variable Height Finger Joint Bit



99-039



- Fully adjustable to produce finger joints up to 1 $\frac{25}{32}$ " thick.
- Ideal for joining wood edge to edge or end to end.
- Produces a joint that is stronger than the wood itself.
- Replacement cutters available and uses arbor #60-152.

Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as table-mounted portable routers.

Item Number	Overall Dia.	Cut Depth	Bearing Dia.	Carbide Height	Shank Dia.	Overall Length
99-039	2"	$\frac{5}{16}$ "	1 $\frac{3}{8}$ "	1 $\frac{25}{32}$ "	$\frac{1}{2}$ "	4 $\frac{1}{4}$ "

Replacement Cutters			
Item Number	Overall Dia.	Bore Dia.	Carbide Height
52-104	2"	$\frac{5}{16}$ "	$\frac{7}{32}$ "
52-108	2"	$\frac{5}{16}$ "	$\frac{21}{64}$ "

See pages 82-83 for replacement bearing item numbers.



52-108

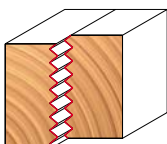


52-104



Raised Panel "V" Joint Bit

- Produces a strong joint for edge gluing boards for raised panels.
- Joining surfaces are at an angle, not vertical, so you won't see dark lines like those created by standard finger joint bits.
- Bit does not have to be centered in the wood.
- Simply raise or lower the bit $\frac{3}{32}$ " to route the mating edge.



99-038



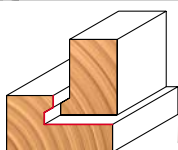
Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Minor Height	Angle	Shank Dia.	Overall Length
99-038	1 $\frac{1}{8}$ "	1 $\frac{37}{64}$ "	$\frac{3}{16}$ "	80°	$\frac{1}{2}$ "	3 $\frac{1}{16}$ "

Drawer Lock Bit

- Forms a strong joint between the sides and front of a drawer.
- Drawer fronts are formed horizontally, flat on table surface.
- Drawer sides are formed vertically against the fence of the table.



99-240



Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on table-mounted portable routers.

Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Angle	Shank Dia.	Overall Length
99-239	1 $\frac{1}{4}$ "	1 $\frac{1}{64}$ "	$\frac{1}{2}$ "	1 $\frac{1}{64}$ "	30°	$\frac{1}{4}$ "	1 $\frac{3}{4}$ "
99-240	2"	1 $\frac{3}{4}$ "	$\frac{33}{64}$ "	$\frac{5}{32}$ "	30°	$\frac{1}{2}$ "	2"

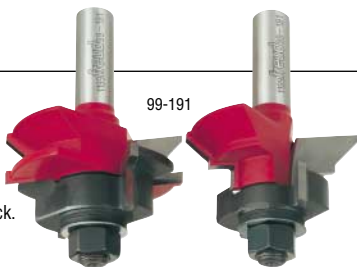
49

"V" Panel Bit Set

- Ideal for creating attractive "V" groove paneling.
- Set includes spacers that allow you to produce "V" paneling from $\frac{1}{2}$ ", $\frac{3}{4}$ " or 1" thick stock.



99-191



Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on table-mounted portable routers.

Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height1	Minor Height2	Angle	Shank Dia.	Overall Length
99-191	1 $\frac{11}{64}$ "	1 $\frac{37}{64}$ "	1 $\frac{1}{8}$ "	$\frac{5}{32}$ " - $\frac{5}{16}$ "	$\frac{25}{64}$ "	45°	$\frac{1}{2}$ "	3 $\frac{3}{8}$ "

Solid Surface Bits

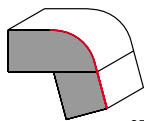
Fabricate and install solid surface countertops with a full range of dedicated router bits from Freud. This high performance cutter selection includes bits that suit most applications, and the Freud name ensures the finest quality finish.

Round Over Bowl Bits

- Trims excess material when fabricating solid surface countertops with solid surface sink bowls.
- Features Snap-Lock™ bearing system.

Application:

- Cuts all solid surface materials, hardwood and other composite materials.
- Use on hand-held portable routers.



85-001

Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Angle	Shank Dia.	Overall Length
85-001	2"	1"	1/4"	1/2"	15°	1/2"	2 7/8"
85-003	2"	1 1/4"	1/4"	1/2"	15°	1/2"	3 1/8"

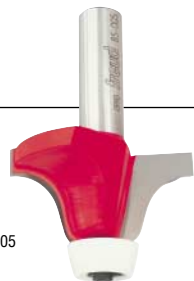
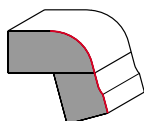
See pages 82-83 for replacement bearing item numbers.

Ogee Bowl Bits

- Ideal for trimming solid surface countertops and solid surface sink bowls.
- Features Snap-Lock™ bearing system.

Application:

- Cuts all solid surface materials, hardwood and other composite materials.
- Use on hand-held portable routers.



85-005

Item Number	Overall Dia.	Carbide Height	Large Radius	Small Radius	Angle	Shank Dia.	Overall Length
85-005	2"	1"	1/2"	1/4"	15°	1/2"	2 7/8"
85-007	2"	1 1/4"	1/2"	1/4"	15°	1/2"	3 1/8"

See pages 82-83 for replacement bearing item numbers.

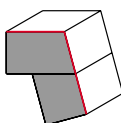
51

Bevel Bowl Bit

- Trims excess material when fabricating solid surface countertops with solid surface sink bowls.
- Features Snap-Lock™ bearing system.

Application:

- Cuts all solid surface materials, hardwood and other composite materials.
- Use on hand-held portable routers.

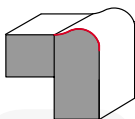


85-009

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Angle	Shank Dia.	Overall Length
85-009	1 1/32"	3/4"	1"	15°	1/2"	2 7/8"

See pages 82-83 for replacement bearing item numbers.

No Drip Edge Bits



85-011

- Creates a slightly raised edge on a solid surface countertop.
- Specially formulated carbide is ideal for fabricating solid surface materials.

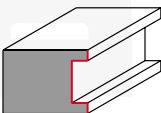
Application:

- Cuts all solid surface materials, hardwood and other composite materials.
- Use on hand-held portable routers.

Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
85-011	1"	3/4"	9/64"	3/8"	1/4"	1/2"	2 ¹³ / ₁₆ "
85-013	1"	1"	9/64"	3/8"	1/4"	1/2"	3 ¹ / ₁₆ "

See pages 82-83 for replacement bearing item numbers.

Inlay Bits



85-023

- Ideal for decorative inlay work in solid surface countertops.

Application:

- Cuts all solid surface materials, hardwood and other composite materials.
- Use on hand-held portable routers.

Item Number	Overall Dia.	Cut Depth	Bearing Dia.	Carbide Height	Shank Length	Shank Dia.	Overall Length
85-015	7/8"	1/16"	3/4"	1/4"	1 ⁵ / ₈ "	1/2"	2 ¹³ / ₁₆ "
85-017	7/8"	1/8"	5/8"	1/4"	1 ⁵ / ₈ "	1/2"	2 ¹³ / ₁₆ "
85-019	7/8"	3/16"	1/2"	1/4"	1 ⁵ / ₈ "	1/2"	2 ¹³ / ₁₆ "
85-021	7/8"	1/16"	3/4"	1/2"	1 ⁵ / ₈ "	1/2"	3 ¹ / ₁₆ "
85-023	7/8"	1/8"	5/8"	1/2"	1 ⁵ / ₈ "	1/2"	3 ¹ / ₁₆ "
85-025	7/8"	3/16"	1/2"	1/2"	1 ⁵ / ₈ "	1/2"	3 ¹ / ₁₆ "
85-027	7/8"	1/16"	3/4"	3/4"	1 ⁵ / ₈ "	1/2"	3 ⁵ / ₁₆ "
85-029	7/8"	1/8"	5/8"	3/4"	1 ⁵ / ₈ "	1/2"	3 ⁵ / ₁₆ "
85-031	7/8"	3/16"	1/2"	3/4"	1 ⁵ / ₈ "	1/2"	3 ⁵ / ₁₆ "

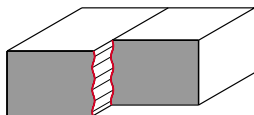
See pages 82-83 for replacement bearing item numbers.

Wavy Joint Bit

- Produces a sturdy joint in solid surface material.
- Waves formed in material accommodate more surface glue, creating a solid joint.

Application:

- Cuts all solid surface materials, hardwood and other composite materials.
- Use on hand-held portable routers.



85-033



Item Number	Overall Dia.	Small Dia.	Carbide Height	Shank Dia.	Overall Length
85-033	$\frac{5}{8}$ "	$\frac{37}{64}$ "	$1\frac{13}{16}$ "	$\frac{1}{2}$ "	$3\frac{1}{8}$ "

Door & Window Bits

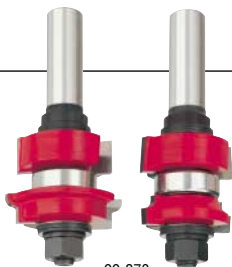
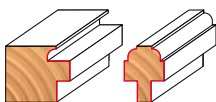
Produce beautiful cabinet doors with raised panels, recessed panels or glass panels—and even make your own window sashes—with Freud's Door and Window Bits. Our matched rail and stile bit sets make it easy to create strong, attractive frames. Freud's exclusive 2+2 raised panel bits quickly power through the hardest woods, leaving smooth profiles that require minimal sanding.

Divided Lite Cabinet Door Bit Set

- Produces cabinet doors with stylish glass panes.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.



99-270

Item Number	Overall Dia.	Bearing Dia.	Small Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
99-270	1 ¹⁷ / ₃₂ "	22mm	1 ¹ / ₄ "	1 ¹ / ₈ "	¹ / ₈ "	¹ / ₂ "	3 ³ / ₁₆ "

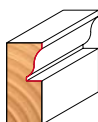
See pages 82-83 for replacement bearing item numbers.

Window Sash & Rail Bits

- Two bits work together to produce a complete divided lite sash.
- 99-050 copes the rails, sash bars and muntins.
- 99-051 cuts the profile on all components.
- Instruction manual included.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.



99-050



99-051

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Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
99-050	1 ¹ / ₂ "	—	³⁹ / ₆₄ "	¹ / ₁₆ "	¹ / ₄ "	¹ / ₂ "	2 ¹ / ₁₆ "
99-051*	1 ¹¹ / ₃₂ "	⁷ / ₈ "	1 ²⁵ / ₆₄ "	¹ / ₃₂ "	¹ / ₄ "	¹ / ₂ "	3 ¹ / ₁₆ "

*Bearing Diameter = 22mm

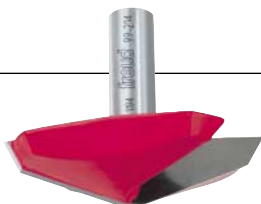
See pages 82-83 for replacement bearing item numbers.

French Provincial Raised Panel Bit

- Produces raised panels used in doors and paneling from ³/₄" stock.
- Adjust the length of the tongue by using a fence.
- Ideal for making decorative grooves in panels, tops and plaques.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.

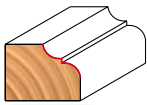


99-214



Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Angle A	Angle B	Shank Dia.	Overall Length
99-214	2 ³ / ₄ "	¹ / ₄ "	¹¹ / ₁₆ "	¹⁹ / ₆₄ "	20°	30°	¹ / ₂ "	2 ³ / ₁₆ "

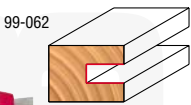
Rail & Stile Profile Bits



99-060



99-061



99-062

- Creates professional looking rail and stile doors.
- 99-060 and 99-061 cope and stick the rail and stiles.
- 99-060 and 99-061 can also be used alone to form a matching edge profile.
- 99-062 cuts the panel slot and the back of the tongue on the coped piece.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on hand-held and table-mounted portable routers.

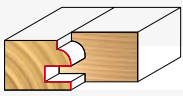
Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
99-060	1½"	1"	¼"	¼"	⅞"	½"	2¼"
99-061	1½"	—	⅜"	⅛"	⅝"	½"	2¼"
99-062	1½"	—	¼"	—	—	½"	2⅛"

See pages 82-83 for replacement bearing item numbers.

Matched Rail & Stile Bit Sets



99-260



- Produce perfect fitting rail and stile doors from ¾" stock.
- Create professional-looking raised panel doors when you combine these bits with one of Freud's Raised Panel Bits.
- Shims provided to ensure a perfect fit.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.

Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
99-260	1⅞"	1⅝"	1⅛"	15/64"	7/32"	½"	3"
99-261	1⅞"	1⅜"	23/32"	15/64"	13/64"	½"	3"
99-263	1⅞"	1⅜"	¾"	15/64"	9/32"	½"	3"

Mini Rail & Stile Bit Set

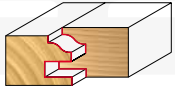
NEW

99-266	1⅜"	29/32"	13/16"	—	—	½"	2⅞"
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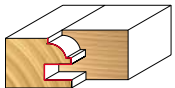
See pages 82-83 for replacement bearing item numbers.



99-260

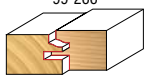


99-263



New Mini Profile Set!

99-266

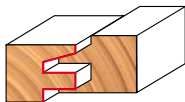
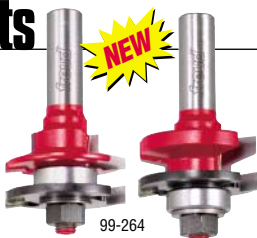


Bevel Rail & Stile Bit Sets

- Easy to set up and use.
- Produce perfect fitting rail and stile doors from $\frac{3}{4}$ " stock.
- Create professional-looking bevel profile raised panel doors when you combine these bits with one of Freud's Raised Panel Bits.
- Shims provided to ensure a perfect.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.



Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Bevel Angle	Shank Dia.	Overall Length
99-264	1 $\frac{1}{16}$ "	22mm	$\frac{3}{4}$ "	17°	$\frac{1}{2}$ "	3"

NEW

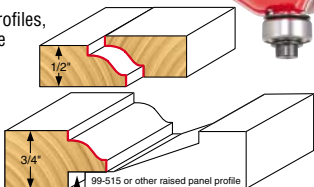
See pages 82-83 for replacement bearing item numbers.

Reversible Wainscoting Bit

- Works with stock from $\frac{1}{2}$ " to $\frac{5}{8}$ " thick, and mills matching frame joints with remarkable ease and precision.
- Bit height is set one time for male and female joints without requiring fence or height adjustments. Just rout stiles face down and rails face up for a perfect fit.
- Versatile design—after routing the matching profiles, rout a rabbet on the back to accept the tongue of a raised panel in $\frac{3}{4}$ " stock.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.



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This application requires a rabbeting bit and raised panel bit, both sold separately.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Shank Dia.	Overall Length
99-470	1 $\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	2 $\frac{1}{4}$ "

NEW

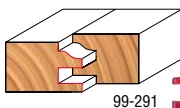
See pages 82-83 for replacement bearing item numbers.

One-Piece Rail & Stile Bits

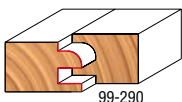
- Cut the frame members face down on a $\frac{1}{2}$ " router and router table so variations in stock thickness are not a problem.
- 99-290 produces a quarter round profile, 99-291 produces an ogee profile and 99-293 produces a classical bead profile.
- A simple, efficient method for creating beautiful cabinet doors, since it's not necessary to reconfigure or change cutters or fence settings.

Application:

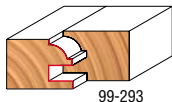
- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.



99-291



99-290

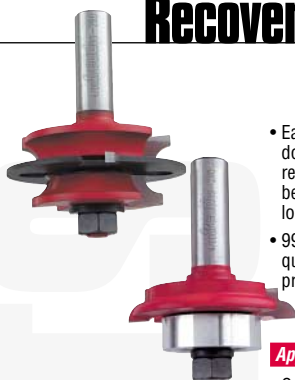


99-293

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-290	2"	1 $\frac{1}{4}$ "	1 $\frac{5}{32}$ "	$\frac{1}{64}$ "	$\frac{7}{32}$ "	1 $\frac{1}{4}$ "	$\frac{1}{2}$ "	4 $\frac{3}{32}$ "
99-291*	2"	1 $\frac{1}{4}$ "	1 $\frac{5}{32}$ "	$\frac{1}{64}$ "	$\frac{7}{32}$ "	1 $\frac{1}{4}$ "	$\frac{1}{2}$ "	4 $\frac{3}{32}$ "
99-293	2"	1 $\frac{1}{4}$ "	1 $\frac{5}{32}$ "	$\frac{1}{64}$ "	$\frac{9}{32}$ "	1 $\frac{1}{4}$ "	$\frac{1}{2}$ "	4 $\frac{3}{32}$ "

*Small Radius = $\frac{1}{16}$ "

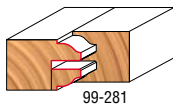
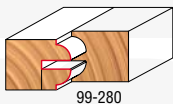
Recoverable Bead Glass Door Bit Sets



- Each bit produces a unique profile on the front of the doors and a matching profile on the back that can be removed with a 1/8" kerf saw blade and miter cut to make a bead to secure the glass panel. When finished, the doors look equally good from the front or back.
- 99-281 produces an ogee profile, 99-280 produces a quarter round profile, and 99-283 produces a beaded profile.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.



Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Minor Height	Large Radius	Small Dia.	Shank Dia.	Overall Length
99-280	2 3/8"	1 1/4"	7/8"	1/8"	7/32"	1 1/4"	1/2"	3"
99-281	2 3/8"	1 1/4"	7/8"	1/8"	7/32"	1 1/4"	1/2"	3"
99-283	2 3/8"	1 1/4"	7/8"	1/8"	15/64"	1 1/4"	1/2"	3"

See pages 82-83 for replacement bearing item numbers.

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Glass Panel Cabinet Door Bit Set

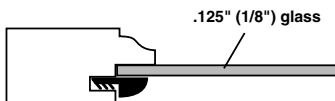


- This unique set features two matched bits that mill strong, tight-fitting joints and create top quality glass panel doors with accuracy and ease
- Extra strong rail and stile joints with the unique lock in the stile and rail joint, plus significantly more gluing surface. No other set on the market provides this feature.
- Easy set-up that saves time, improves accuracy, and increases profitability for the professional.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.

99-286

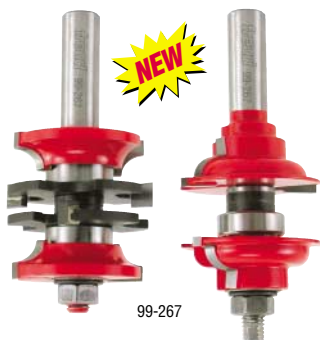


Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Minor Height	Large Radius	Small Dia.	Shank Dia.	Overall Length
NEW 99-286	2"	16mm	1 1/32"	-	-	-	1/2"	3 1/8"

See pages 82-83 for replacement bearing item numbers.

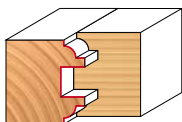
Entry and Interior Door Router Bit System

- This Entry and Interior Door System lets the woodworker build doors with true mortise and tenon construction for rock-solid joints that last a lifetime.
- This Matched Rail and Stile Bit Set comes fully assembled to mill perfect 1-3/4" Rail and Stile joints for exterior doors. To mill 1-3/8" interior door joints, simply remove the spacers from each bit.
- Milling a tenon of virtually any length is easy: the top cutter and bearing of the rail bit is simply unscrewed from the lower cutter and shank, without removing the bit from the router or changing the height of the cutter!

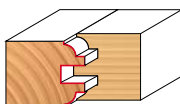


Application:

- Cuts all composition materials, hardwood, and soft wood.
- Use on table-mounted portable routers.



1-3/4" Exterior Door



1-3/8" Interior Door

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Minor Height	Large Radius	Small Dia.	Shank Dia.	Overall Length
99-267	1 7/8"	7/8"	1 1/8"	-	-	-	1/2"	4 1/8"

NEW

See pages 82-83 for replacement bearing item numbers.

Patent Pending



Make the stick cuts with the Stile bit. Bit configuration shown is for a 1-3/4" thick stock.



Make the cope cuts with the Rail bit. Bit configuration shown is for a 1-3/4" thick stock.



Remove the top cutter assembly of the Rail bit without adjusting the height or removing the bit from the router.

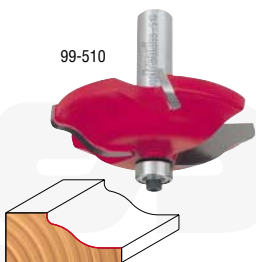


Simply by adjusting the fence and making multiple passes, virtually any tenon length can be achieved.

Always unplug the router before adjusting the router, bit, or fence.

2+2 Raised Panel Bits

99-510



- Revolutionary design combines two small wings that cut downward to shear the top edge for a splinter-free surface, and two large wings that shear upward for a smooth finish.
- Produces raised panels for doors and paneling.
- Use 1/2" height for 5/8" stock. Use 5/8" height for 3/4" stock.
- Ideal for creating decorative tops, plaques and moulding.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.

Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-510	2 3/4"	—	5/8"	7/32"	35/64"	1/8"	1/2"	2 1/2"
99-511	2 3/4"	1 1/8"	5/8"	1 5/64"	—	—	1/2"	2 1/2"
99-512	2 3/4"	1 1/4"	5/8"	1 7/64"	1 1/64"	—	1/2"	2 1/2"
99-513*	2 3/4"	—	5/8"	1 5/64"	7/16"	—	1/2"	2 1/2"
99-515	3 1/2"	1 1/4"	5/8"	5/32"	—	—	1/2"	2 1/2"
99-516	3 1/2"	1 1/4"	1/2"	5/32"	—	—	1/2"	2 1/2"
99-518	3 1/2"	—	5/8"	5/64"	1 1/2"	—	1/2"	2 1/2"
99-519	3 1/2"	—	1/2"	5/64"	1 1/2"	—	1/2"	2 1/2"
99-520	3 1/2"	—	5/8"	7/32"	25/32"	5/32"	1/2"	2 1/2"
99-521	3 1/2"	—	1/2"	—	1 3/16"	5/32"	1/2"	2 3/8"
99-522	3 1/2"	1 1/4"	5/8"	—	1 5/64"	—	1/2"	2 1/2"
99-523	3 1/2"	1 1/4"	1/2"	—	5/32"	—	1/2"	2 3/8"

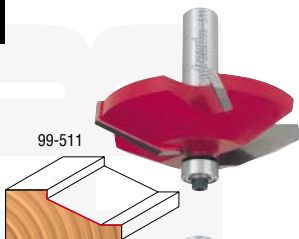
See pages 82-83 for replacement bearing item numbers.

*Angle = 80°

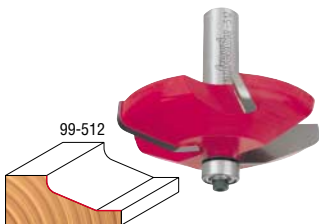
U.S. Patent No. 5,899,252

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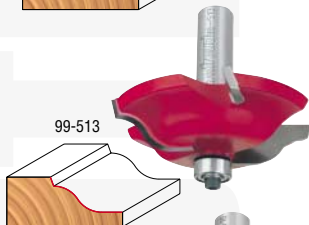
99-511



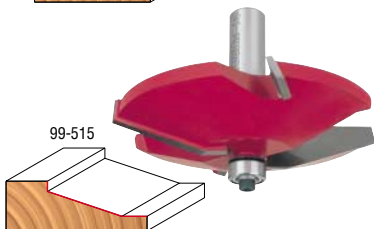
99-512



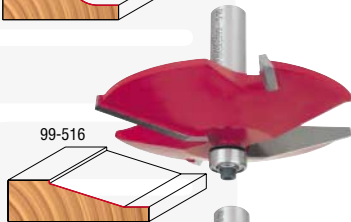
99-513



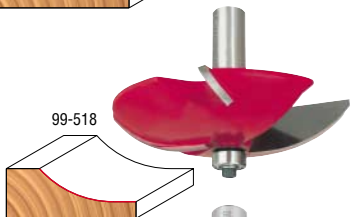
99-515



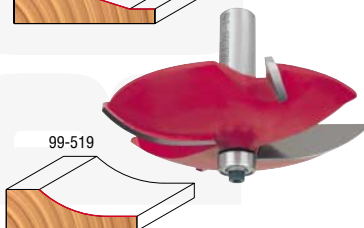
99-516



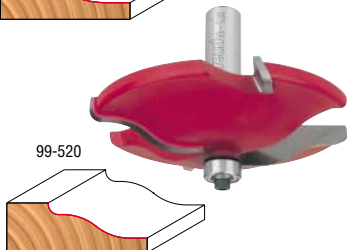
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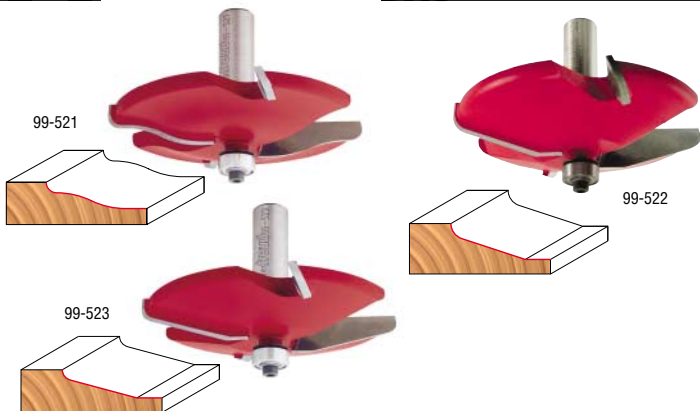
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99-520



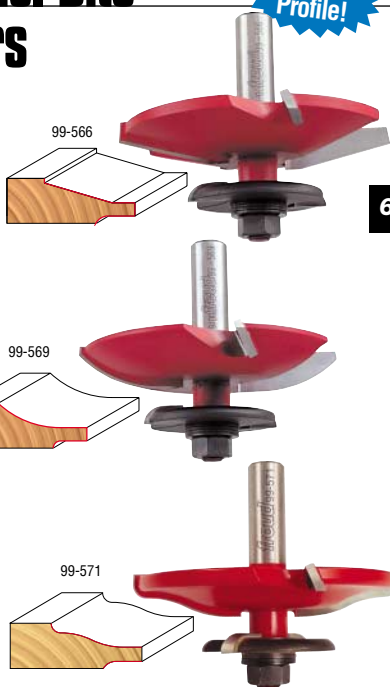
2+2 Raised Panel Bits



2+2 Raised Panel Bits with Backcutters

Full 1 1/2" Profile!

- Exclusive design combines the smooth cuts of our 2+2 Raised Panel bits with a backcutter to produce panels from 3/4" stock that are flush with the door frame for a professional look.
- Completed doors can be sanded with a wide belt sander or drum sander for easiest finishing.
- Shims are included to allow adjustment of tongue thickness from 1/32" to 1/4" for maximum versatility and compatibility.
- Patent pending design allows these bits to produce a full 1 1/2" wide reveal for traditional raised panel doors.
- Included 54-562 radius backcutter gives a double sided appearance and can be replaced with the optional 54-560 square backcutter for a more contemporary look.



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Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-566	3 1/2"	1"	5/32"	—	3/16"	1/2"	3"
99-569	3 1/2"	1"	5/32"	1 1/2"	3/16"	1/2"	3"
99-571	3 1/2"	1"	—	1 1/16"	5/32"	1/2"	3"
Replacement Backcutters							
54-560	1 1/16"	15/64"	—	—	—	—	—
54-562	1 1/16"	15/64"	—	—	3/16"	—	—
Mini 2+2 Raised Panel Bit							
99-500	2 13/32"	1/8"	—	3/4"	1/64"	1/2"	2 5/64"

NEW

NEW

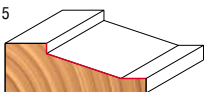
New Mini Profile Bit!

U.S. Patent No. 5,899,252.
U.S. Patent No. 6,354,347.



Vertical Raised Panel Bits

99-315



- Creates full sized raised panels by feeding the 3/4" stock vertically.
- Small overall diameter makes these bits ideal for lower horsepower routers and single speed routers.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on hand-held and table-mounted portable routers.

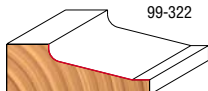
Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-315	1 1/2"	1 5/8"	23/64"	—	—	1/2"	3 3/16"
99-318	1 1/2"	1 5/8"	—	1 1/2"	—	1/2"	3 3/16"
99-320	1 1/2"	1 5/8"	—	25/32"	5/32"	1/2"	3 3/16"
99-322	1 1/2"	1 5/8"	23/64"	3/8"	—	1/2"	3 3/16"



99-318



99-320



99-322



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Door Pull Bit



99-007



- Produces the finger pull groove found on popular contemporary cabinet doors.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Large Radius	Small Radius	Angle	Shank Dia.	Overall Length
99-007	1 23/32"	1 1/8"	1/4"	3/64"	26 1/2°	1/2"	2 3/8"

Door Lip Bit



99-002



- Cuts out the underside portion of a cabinet door to match most top edge profiles.
- Provides maximum design versatility.

Application:

- Cuts all composition materials, plywood, hardwood and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Angle	Shank Dia.	Overall Length
99-002	1 1/2"	1/2"	1 3/32"	12°	1/2"	2 1/16"

See pages 82-83 for replacement bearing item numbers.