

freud[®]

Precision Router Bits



freud[®]

Precisely what you need.

Router Bits

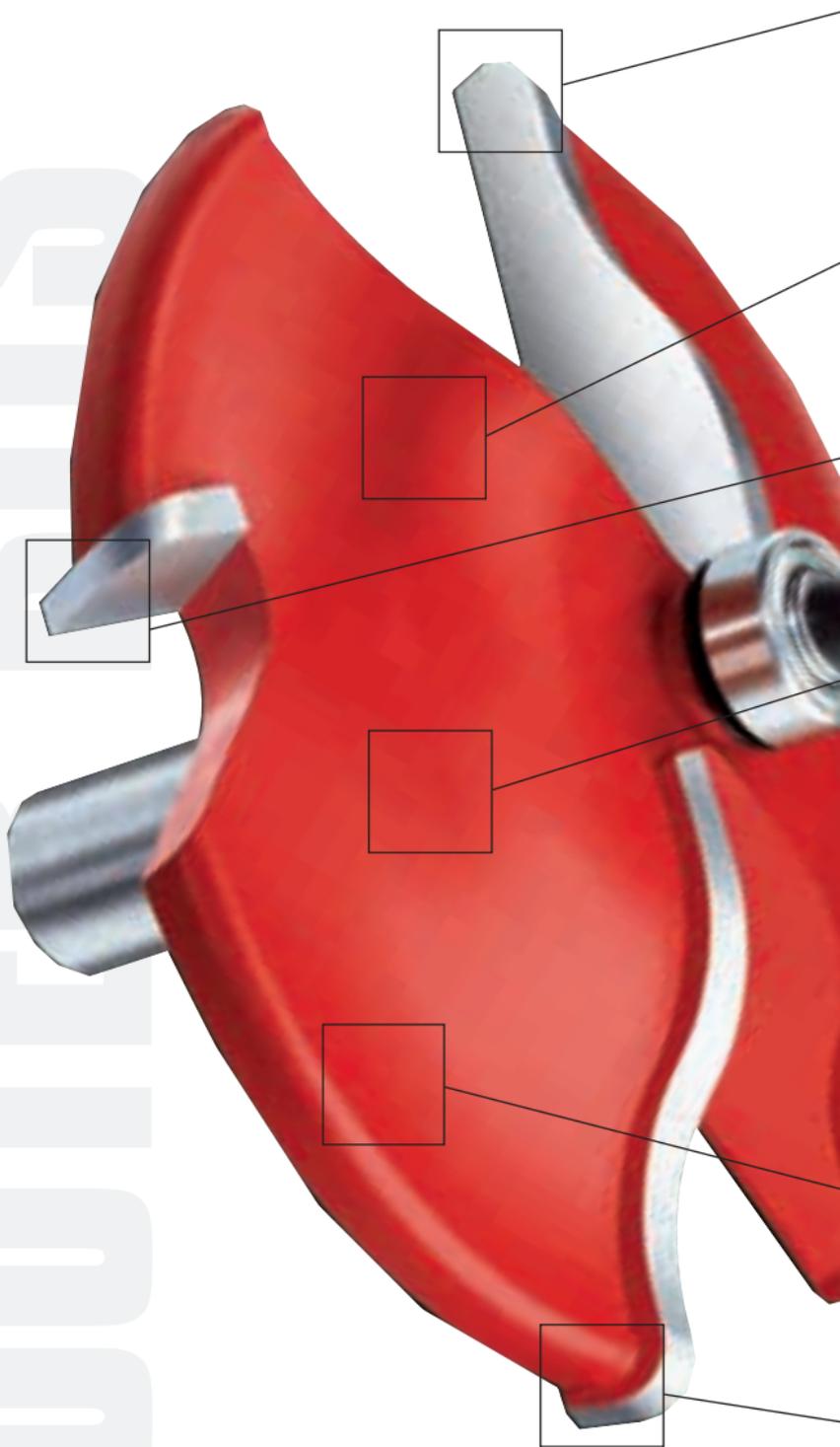
Serious woodworkers choose serious accessories. They choose Freud. An industry leader for over 50 years, the Freud name equals quality, precision and craftsmanship. Freud router bits feature tungsten carbide with titanium for maximum cutting life. And Freud bits are individually balanced, giving a cut above the rest. So when you're looking for a serious router bit, look for the Freud red.



Precision Router Bits

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ROUTER BITS





■ **SUPER MICROGRAIN CARBIDE WITH TITANIUM**

Maintains a sharp edge longer. Designed and manufactured by Freud for the woodworking industry.

■ **KICKBACK-REDUCING SHOULDER DESIGN**

Restricts tooth bite to 1.1 mm, reducing the effects of kickback from overfeeding.

■ **SHEAR ANGLE**

Lets the bit slice through the wood, producing a superior finish on all materials.

■ **RED TEFLON® COATING**

Guarantees less working friction and less resin adhesion while preventing the development of rust.

■ **TRI-METAL BRAZING**

Consists of copper sandwiched between two layers of silver alloy to create a stronger, more impact-resistant bond between the carbide and the bit. Also, helps reduce micro fractures from brazing.

■ **COMPUTER BALANCING**

Reduces vibration and chatter, resulting in clean, smooth profiles.

■ **MULTI-AXIS GRINDING**

Provides consistent relief angles on the entire cutting edge, which reduces burning and provides a flawless finish.

Straight, Spiral & Trim Bits

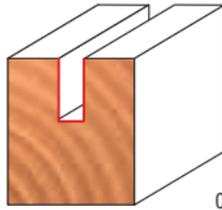
Freud's Straight, Spiral & Trim Bits combine precision hook and shear angles with thick MicroGrain carbide tips for the smoothest cuts and longest life. Whether you need a straight or up spiral bit for plunge cuts, a mortising or down spiral bit for smooth surface cuts, or a guided trim bit for countertops and template work, Freud offers a wide selection of premium bits to suit your application.

Double Flute Straight Bits

- Precise hook angle.
- End of bit relief allows for fast plunging.

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.



04-132



Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
04-096*	1/16"	1/4"	1/4"	1 5/8"
04-098*	3/32"	3/8"	1/4"	1 5/16"
04-100*	1/8"	3/8"	1/4"	1 3/4"
04-101*	5/32"	5/8"	1/4"	1 1/2"
04-102*	3/16"	1/2"	1/4"	2"
04-103*	3/16"	5/8"	1/4"	2"
04-104*	1/4"	1/2"	1/4"	2"
04-105*	1/4"	5/8"	1/4"	2"
04-106*	1/4"	3/4"	1/4"	2 1/4"
04-107*	1/4"	7/8"	1/4"	2 1/4"
04-108*	1/4"	1"	1/4"	2 1/2"
04-109*	1/4"	7/8"	1/4"	2 1/8"
04-110*	1/4"	1"	1/4"	2 7/8"
04-112	9/32"	1"	1/4"	2"
04-118	5/16"	1"	1/4"	2 1/2"
04-120	3/8"	7/8"	1/4"	1 7/8"
04-124	3/8"	1"	1/4"	2 1/2"
04-126	3/8"	1 1/4"	1/4"	2 1/16"
04-129	7/16"	1"	1/4"	2 1/2"
04-130	1/2"	3/4"	1/4"	2 1/4"
04-131	1/2"	7/8"	1/4"	1 7/8"
04-132	1/2"	1"	1/4"	2 1/8"
04-133	1/2"	1 1/4"	1/4"	2 3/4"
04-134	9/16"	3/4"	1/4"	2 1/8"
04-136	5/8"	3/4"	1/4"	2 1/8"
04-137	5/8"	1 1/4"	1/4"	2 3/4"
04-138	1 1/16"	3/4"	1/4"	2 1/8"
04-140	3/4"	3/4"	1/4"	2 1/8"
04-144	1 3/16"	3/4"	1/4"	2"
04-148	7/8"	3/4"	1/4"	2"
04-152	1"	3/4"	1/4"	2"
04-156	1"	1 1/8"	1/4"	2 9/16"
08-106	1/4"	3/4"	3/8"	2"
08-124	3/8"	1"	3/8"	2 1/4"
08-132	1/2"	1"	3/8"	2 1/2"
08-136	5/8"	1"	3/8"	2 1/4"
08-152	3/4"	1"	3/8"	2 1/4"
08-166	7/8"	1"	3/8"	2 1/4"
12-096	1 5/32"	3/4"	1/2"	2 13/32"
12-100	1/4"	3/4"	1/2"	2 3/8"
12-102	1/4"	7/8"	1/2"	2 7/8"
12-106	5/16"	1"	1/2"	2 3/4"
12-108	3/8"	1"	1/2"	2 5/8"
12-110	3/8"	1 1/4"	1/2"	2 7/8"
12-113	7/16"	1 1/4"	1/2"	3 1/4"
12-115	7/8"	1 1/4"	1/2"	2 3/4"
12-116	1/2"	1"	1/2"	2 5/8"
12-118	1/2"	1 1/4"	1/2"	2 7/8"
12-122	1/2"	1 1/2"	1/2"	3 1/8"
12-124	1/2"	1 1/2"	1/2"	4 1/4"
12-128	1/2"	2"	1/2"	4 1/8"
12-130	1/2"	2 1/2"	1/2"	4 3/8"
12-134	9/16"	1 1/4"	1/2"	2 7/8"
12-136	5/8"	1"	1/2"	2 1/2"
12-138	5/8"	1 1/4"	1/2"	2 1/2"
12-140	5/8"	1 1/2"	1/2"	3"
12-142	5/8"	2"	1/2"	4"
12-148	1 1/16"	1 1/4"	1/2"	3"
12-152	3/4"	1"	1/2"	2 1/2"

NEW

NEW

NEW

NEW

(continues on next page)

Double Flute Straight Bits

(continued from previous page)

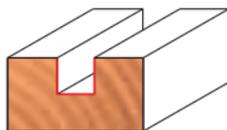
Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
12-154	3/4"	1 1/4"	1/2"	3"
12-156	3/4"	1 1/2"	1/2"	3"
12-158	3/4"	2"	1/2"	3 1/2"
12-162	13/16"	1 1/4"	1/2"	3"
12-168	7/8"	1 1/4"	1/2"	3"
12-172	1"	1 1/4"	1/2"	3"
12-178	1 1/8"	1 1/2"	1/2"	3"
12-182	1 1/4"	1 1/2"	1/2"	2 7/8"
12-186	1 3/8"	1 1/4"	1/2"	3"
12-190	1 1/2"	1 1/4"	1/2"	3"
12-194	1 3/4"	1 1/4"	1/2"	3"
Undersized Plywood Bits				
04-111*	7/32"	3/4"	1/4"	2"
04-127	15/32"	3/4"	1/4"	2"
04-128	15/32"	7/8"	1/4"	2 7/8"
12-114	15/32"	1 1/4"	1/2"	2 7/8"
12-135	19/32"	1 1/4"	1/2"	2 7/8"
12-150	23/32"	1 1/4"	1/2"	2 7/8"
Metric Version				
NEW 04-502	2mm	5/32"	1/4"	1 1/2"
NEW 04-508	3mm	5/16"	1/4"	1 3/4"
NEW 04-512	5mm	15/32"	1/4"	2"
NEW 04-516	10mm	3/4"	1/4"	1 7/8"
NEW 04-520	10mm	1 1/4"	1/4"	2 3/8"
NEW 04-524	12mm	3/4"	1/4"	2 1/64"
NEW 04-528	12mm	1 1/4"	1/4"	2 3/8"
NEW 04-532	15mm	3/4"	1/4"	2 1/4"
NEW 04-536	15mm	1 1/4"	1/4"	2 3/8"
NEW 04-540	16mm	3/4"	1/4"	2 1/4"
NEW 04-544	16mm	1 1/4"	1/4"	2 5/8"
NEW 04-548	18mm	3/4"	1/4"	2"
NEW 04-552	20mm	3/4"	1/4"	2"
NEW 12-518	10mm	1"	1/2"	2 1/2"
NEW 12-520	10mm	1 1/4"	1/2"	2 3/4"
NEW 12-526	12mm	1"	1/2"	2 1/2"
NEW 12-530	12mm	1 1/4"	1/2"	2 3/4"
NEW 12-542	16mm	1"	1/2"	2 1/2"
NEW 12-544	16mm	1 1/4"	1/2"	2 3/4"

*Solid carbide

BEST BIT BRAND

Single Flute Straight Bits

- Designed for high production work with a maximum amount of chip clearance.
- End of bit relief allows for fast plunging.



03-156

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.

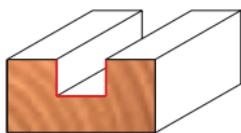


Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
03-112	1/8"	3/8"	1/4"	1 1/2"
03-116	1/8"	1/2"	1/4"	2"
03-120	1/8"	5/8"	1/4"	2"
03-124	3/16"	3/8"	1/4"	1 1/2"
03-128	3/16"	1/2"	1/4"	2"
03-132	1/4"	1/2"	1/4"	2"
03-136	1/4"	3/4"	1/4"	2 1/2"
03-140	1/4"	1 1/2"	1/4"	2 1/2"
03-144	1/4"	1"	1/4"	3"
03-148	5/16"	3/4"	1/4"	2 1/2"
03-152	5/16"	1"	1/4"	2 1/2"
03-156	3/8"	1 1/4"	1/4"	2 7/8"
05-136	1/4"	3/4"	3/8"	2 3/4"
05-160	3/8"	1 1/4"	3/8"	2 7/8"
05-164	1/2"	1"	3/8"	2 1/2"
11-136	1/4"	3/4"	1/2"	2 1/2"
11-152	5/16"	1"	1/2"	2 7/8"
11-158	3/8"	1"	1/2"	3"
11-160	3/8"	1 1/4"	1/2"	3"
11-164	1/2"	1"	1/2"	2 1/16"
11-168	1/2"	1 1/4"	1/2"	2 7/8"
11-172	1/2"	1 1/2"	1/2"	3 1/8"
11-176	1/2"	2"	1/2"	4 1/8"
11-180	1/2"	2 1/2"	1/2"	4 3/8"
11-184	3/16"	1 1/4"	1/2"	2 1/2"
11-188	5/8"	1 1/4"	1/2"	2 1/2"

7

Up Spiral Router Bits

- Combines effective chip removal with a cut unmatched by standard straight bits.
- Computer-designed flutes provide chip removal required in production settings.
- Suited for cutting mortises and routing deep blind holes.



75-108

Application:

- Excellent for grooves and dadoes in 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.	Carbide Height	Shank Dia.	Overall Length
Double Flute				
75-100*	1/8"	1/2"	1/4"	2"
75-101*	3/16"	3/4"	1/4"	2"
75-102*	1/4"	1"	1/4"	2 1/2"
75-103*	1/4"	3/4"	1/4"	2"
75-104*	5/16"	1"	1/2"	3"
75-106*	3/8"	1 1/4"	1/2"	3"
75-108*	1/2"	1 1/4"	1/2"	3"
75-109*	1/2"	2"	1/2"	4"
75-202*	5/32"	5/8"	1/4"	2"
Triple Flute				
75-306*	3/8"	1 1/4"	1/2"	3"
75-308*	1/2"	2"	1/2"	4"

NEW

NEW

NEW

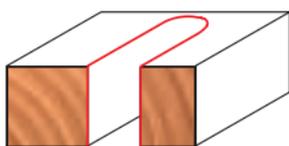
NEW

NEW

NEW

*Solid carbide

Down Spiral Router Bits



76-108

- Ideal for top surface chip-free routing where chip removal is not a problem.
- Excellent for through cutting of material with a table-mounted router or a pin router.

- Reduces chipping when working with single-sided veneers or laminated materials.

Application:

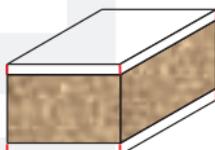
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers, pin routers, hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
Double Flute				
NEW 76-100*	1/8"	1/2"	1/4"	2"
NEW 76-101*	3/16"	3/4"	1/4"	2"
76-102*	1/4"	1"	1/4"	2 1/2"
NEW 76-103*	1/4"	3/4"	1/4"	2"
NEW 76-104*	5/16"	1"	1/2"	2 1/2"
76-106*	3/8"	1 1/4"	1/2"	3"
76-108*	1/2"	1 1/4"	1/2"	3"
NEW 76-109*	1/2"	1 1/2"	1/2"	3 1/2"
NEW 76-110*	1/2"	2"	1/2"	4"
NEW 76-202*	5/32"	5/8"	1/4"	2"
NEW 76-204*	7/32"	3/4"	1/4"	2"
Triple Flute				
NEW 76-306*	3/8"	1 1/4"	1/2"	3"

*Solid carbide

8

Single Compression Bits



77-108

- Ideal for fast, chip-free routing where chip removal is not a problem.
- Combination of up and down shear flutes eliminates chipping on both sides of double-sided veneers or laminated materials.

Application:

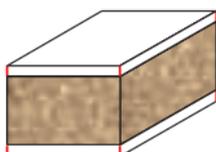
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
NEW 77-106*	3/8"	1 1/4"	1/2"	3"
NEW 77-108*	1/2"	1 1/4"	1/2"	3"
NEW 77-109*	1/2"	1 1/2"	1/2"	3 1/2"

*Solid carbide

Double Compression Bits

- Ideal for fine-finish, chip-free routing where chip removal is not a problem.
- Combination of up and down shear flutes eliminates chipping on both sides of double-sided veneers or laminated materials.



77-208



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.

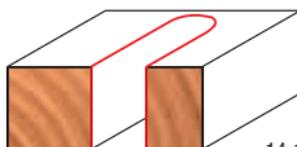
Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
77-206*	3/8"	1 1/4"	1/2"	3"
77-208*	1/2"	1 1/4"	1/2"	3"
77-209*	1/2"	1 1/2"	1/2"	3 1/2"

NEW
NEW
NEW

*Solid carbide

Stagger Bits

- Combine the balance of a double fluted bit with the speed and versatility of a single flute tool.
- Used extensively by table and countertop manufacturers worldwide.
- The 14-204 Compression Bit has opposing shears for an exceptionally clean edge on both the top and bottom of the cut.



14-104



9

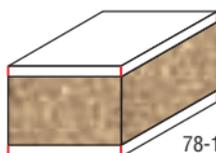
Application:

- 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.	Carbide Height	Shank Dia.	Overall Length
14-102	3/8"	1 1/2"	1/2"	3 1/4"
14-104	1/2"	1 1/2"	1/2"	3 1/4"
14-106	1/2"	2 1/8"	1/2"	4"
14-204	1/2"	1 1/2"	1/2"	3 3/16"

Diamond Compression Bits

- Diamond-impregnated tips provide extreme durability when cutting manmade materials.
- Multiple up-shear and down-shear wings offer fast, chip-free cutting on both sides of double-sided veneers or laminated materials.



78-116



Application:

- Ideal for manmade, abrasive materials such as MDF and particleboard.
- 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.

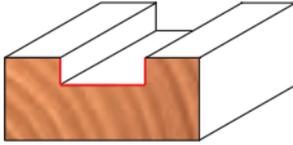
Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
78-116	1/2"	1"	1/2"	2 1/8"
78-136	5/8"	1"	1/2"	2 1/8"

NEW
NEW

Mortising Bits



16-104



- Deep center gullet provides maximum material removal without chip loading.
- Ideal for use with templates for setting butt hinges.

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.	Carbide Height	Shank Dia.	Overall Length
16-096	1 ¹ / ₃₂ "	1/2"	1/4"	2"
16-098	1 ⁵ / ₃₂ "	1/2"	1/4"	2"
16-100	1/2"	1/2"	1/4"	2"
16-102	5/8"	1/2"	1/4"	2"
16-103	2 ³ / ₃₂ "	1/2"	1/4"	1 ³ / ₄ "
16-104	3/4"	1/2"	1/4"	2"
16-106	1 ¹ / ₄ "	1/2"	1/4"	2 ¹ / ₈ "
16-108	1 ¹ / ₄ "	1/2"	1/2"	2 ³ / ₈ "
16-110	1/2"	1/2"	1/2"	2 ³ / ₈ "
16-116	2 ³ / ₃₂ "	3/8"	1/2"	2 ¹ / ₈ "
16-118	3/4"	3/8"	1/2"	2 ¹ / ₈ "
NEW 16-122	1"	3/8"	1/2"	2 ³ / ₃₂ "
NEW 16-128	1 ¹ / ₂ "	5/8"	1/2"	2 ¹⁷ / ₃₂ "
Top Bearing Mortising-Dado Bits				
NEW 16-500	1/2"	3/4"	1/4"	2 ¹ / ₁₆ "
NEW 16-502	5/8"	3/4"	1/4"	2 ⁷ / ₁₆ "
NEW 16-504	3/4"	3/4"	1/4"	2 ⁷ / ₁₆ "
NEW 16-510	3/4"	3/8"	1/4"	2 ³ / ₃₂ "
NEW 16-520	3/4"	3/8"	1/2"	2 ³ / ₃₂ "
NEW 16-522	1 ¹ / ₄ "	1 ⁵ / ₆₄ "	1/2"	2"
NEW 16-523	1 ¹ / ₄ "	1/2"	1/2"	2 ¹ / ₄ "
NEW 16-524	1 ¹ / ₄ "	3/8"	1/2"	2 ³ / ₈ "
NEW 16-528	1 ¹ / ₂ "	5/8"	1/2"	2 ¹ / ₂ "

See pages 76-77 for replacement bearing item numbers.

10

Panel Pilot Bits



28-104



- Carbide tips outlast high-speed steel and require fewer sharpenings.
- Drill-through point allows self-starting, while the pilot will act as a guide for template work.

Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on portable routers for template work.

Item Number	Overall Dia.	Carbide Height	Shank Dia.	Number of Flutes	Overall Length
26-100	1/4"	3/4"	1/4"	1	2 ¹ / ₄ "
26-104	1/2"	1 ¹ / ₄ "	1/2"	1	3 ³ / ₄ "
28-100	3/8"	1"	1/4"	2	3"
28-104	1/2"	1 ¹ / ₄ "	1/2"	2	3 ³ / ₄ "
70-100*	1/4"	1/4"	1/4"	1	1 ⁵ / ₈ "

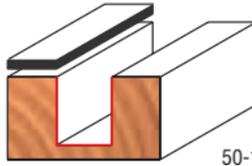
*Solid carbide

Top Bearing Flush Trim Bits

- Bits feature top-mounted bearings.
- Ideal for lettering or other template work where the piece is being grooved or routed out.

Application:

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



50-102



Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Shank Dia.	Overall Length
50-101	1/2"	1/2"	1 1/4"	1/4"	2 1/2"
50-102	1/2"	1/2"	1"	1/4"	2 5/8"
50-103	5/8"	5/8"	9/16"	1/4"	2 1/4"
50-104	5/8"	5/8"	1"	1/4"	2 5/8"
50-105	9/16"	9/16"	3/4"	1/4"	2 5/16"
50-106	3/4"	3/4"	1"	1/4"	2 5/8"
50-112	1"	1"	1"	1/2"	2 3/4"
50-122	1 1/8"	1 1/8"	1 1/2"	1/2"	3 3/8"
50-126	1 1/4"	1 1/4"	1 1/2"	1/2"	3 3/8"
50-130	1 1/2"	1 1/2"	1 3/4"	1/2"	3 3/4"
50-138	2"	2"	2"	1/2"	4"

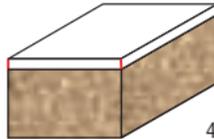
See pages 76-77 for replacement bearing item numbers.

Bearing Flush Trim Bits

- Ideal for trimming cabinet laminate as well as pattern work.
- Bits feature two flute bits for faster cutting and three flute bits for a superior surface finish.

Application:

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



42-100



11

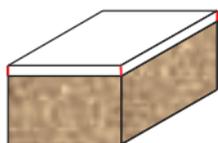
Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Number of Flutes	Shank Dia.	Overall Length
42-080	3/8"	3/8"	1"	2	1/4"	3"
42-090	3/4"	3/4"	1"	2	1/4"	2 15/16"
42-100	3/8"	3/8"	1"	2	1/4"	2 13/16"
42-102	3/8"	3/8"	1/2"	2	1/4"	2 5/16"
42-104	1/2"	1/2"	1"	2	1/4"	2 13/16"
42-106	1/2"	1/2"	1/2"	2	1/4"	2 1/8"
42-108	1/2"	1/2"	1"	2	3/8"	2 15/16"
42-109	1/2"	1/2"	1/2"	2	1/2"	2 7/8"
42-110	1/2"	1/2"	1"	2	1/2"	3 1/4"
42-114	1/2"	1/2"	1 1/2"	2	1/2"	3 5/8"
42-116	1/2"	1/2"	2"	2	1/2"	4 3/8"
42-118	3/4"	3/4"	1"	2	1/2"	3 1/4"
44-100	1/2"	1/2"	1"	3	1/4"	2 13/16"
44-102	1/2"	1/2"	1/2"	3	1/4"	2 1/8"
44-104	1/2"	1/2"	1"	3	1/2"	3 1/4"
44-108	1/2"	1/2"	1 1/2"	3	1/2"	3 5/8"

See pages 76-77 for replacement bearing item numbers.

Solid Carbide Flush Trim Bit



64-100



- Features Freud's exclusive blend of MicroGrain Carbide for longer cutting life.
- Cuts plastic laminate quickly and cleanly.
- Self-piloting feature eliminates the expense and upkeep of a ball bearing assembly.

Application:

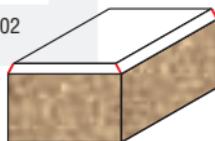
- Cuts all plastic laminates.
- Use on portable routers and laminate trimmers for trimming plastic laminate.

Item Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
64-100*	1/4"	3/8"	1/4"	1 1/2"

*Solid carbide

Bevel Trim Bits

41-102



- Bit 66-100 trims and provides a 7° bevel to give a finished look to plastic laminate with a solid pilot.
- Bit 66-100 features Freud's solid MicroGrain Carbide for a longer cutting life.

- 41 Series Bits can provide a range of bevels from 8° to 45° on plastic laminate and feature a ball bearing guide.

Application:

- Cuts all plastic laminates.
- Use on portable routers and laminate trimmers for trimming plastic laminate.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Angle	Shank Dia.	Overall Length
41-102	19/32"	1/2"	9/32"	15°	1/4"	1 7/8"
41-104	19/32"	1/2"	9/32"	25°	1/4"	1 7/8"
41-106	31/32"	1/2"	1/4"	45°	1/4"	1 7/8"
41-108	25/32"	3/8"	29/64"	25°	1/4"	1 15/16"
41-110	9/16"	1/2"	13/32"	8°	1/4"	2"
66-100*	1/4"	3/16"	1/4"	7°	1/4"	1 1/2"

*Solid carbide

See pages 76-77 for replacement bearing item numbers.



12



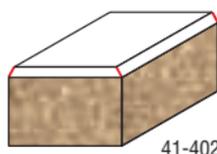
66-100

Flush & Bevel Trim Bits

- Designed to trim plastic laminate with either a straight edge or a bevel on a router equipped with a guide system.
- Bit 41-402 is self-guided and comes with two bearings to allow the bit to straight trim or 45° bevel trim.
- The two bearings on the 41-402 can also be used to vary the part of the bevel used for cutting to even-out wear on the bit.
- Bearing is also used to spread wear evenly on cutting edge.

Application:

- Cuts all plastic laminates.
- Use on portable routers and laminate trimmers equipped with a guiding system.



68-100

Item Number	Overall Dia.	Carbide Height	Minor Height	Angle	Shank Dia.	Overall Length
41-402	7/8"	5/8"	39/64"	45°	1/4"	2 1/4"
68-100*	1/4"	3/8"	1 1/64"	7°	1/4"	1 1/2"

*Solid carbide

See pages 76-77 for replacement bearing item numbers.

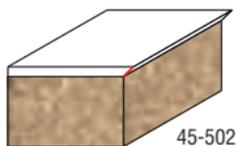
Laminate Miter Joint Bits

13

- Produce 90° miter joints in the edge of laminated surfaces.
- Prevents the dark line of the base material from showing.
- Feature Freud's exclusive blend of MicroGrain Carbide for longer cutting life.

Application:

- Cuts all plastic laminates.
- Use on portable routers and laminate trimmers.

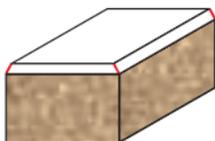


Item Number	Overall Dia.	Carbide Height	Bearing Dia.	Angle	Shank Dia.	Overall Length
45-502	1 3/8"	1/4"	1 3/8"	45°	1/4"	2 3/8"
45-522	1 3/8"	1/4"	1 3/8"	45°	1/2"	2 3/8"

See pages 76-77 for replacement bearing item numbers.

Insert Bevel Trim Bits

43-204



- Replacement throw-away knives can be rotated for multiple cutting edges, so you always have a sharp edge.
- Item #CG12 for replacement knives.

Application:

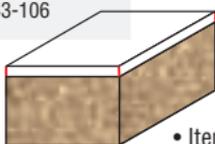
- Cuts all plastic laminates.
- Use on portable routers and laminate trimmers equipped with a guiding system.

Item Number	Overall Dia.	Bearing Height	Carbide Height	Angle	Shank Dia.	Overall Length
43-204	1 ⁵ / ₁₆ "	3/4"	2 ⁹ / ₆₄ "	15°	1/4"	2 1/4"
43-208	1 1/8"	3/4"	7/16"	25°	1/4"	2 1/4"
43-212	1 11/64"	3/4"	13/32"	30°	1/4"	2 5/16"
43-216	1 23/64"	3/4"	15/64"	45°	1/4"	2 5/8"

See pages 76-77 for replacement bearing item numbers.

Insert Flush Trim Bits

43-106



- Replacement throw-away knives can be rotated for multiple cutting edges, so you always have a sharp edge.
- Item #CG12 for replacement throw-away knives 43-106.

- Item #GG30 for replacement throw-away knives 43-108 and 43-128.

Application:

- Cuts all plastic laminates.
- Use on portable routers and laminate trimmers.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Shank Dia.	Overall Length
43-106	3/4"	3/4"	12mm	1/4"	2"
43-108	3/4"	3/4"	30mm	1/4"	2 3/4"
43-128	3/4"	3/4"	30mm	1/2"	2 3/4"

Replacement cutters:

43-106 = CG12/9

43-108, 43-128 = CG30/9

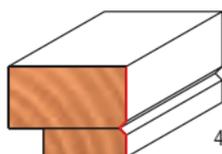
See pages 76-77 for replacement bearing item numbers.

Flush Trim “V” Groove Bits

- Adds a small, decorative “V” groove while bringing a cabinet frame flush with the front of the cabinet, or trimming a laminated top.

Application:

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



48-102



Item Number	Overall Dia.	Small Dia.	Bearing Dia.	Carbide Height	Shank Dia.	Overall Length
48-102	5/8"	1/2"	1/2"	1"	1/4"	2 13/16"
48-112	5/8"	1/2"	1/2"	1"	1/2"	3 1/4"

Angle = 90°

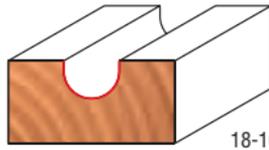
See pages 76-77 for replacement bearing item numbers.

Edge Treatment & Grooving Bits

Choose Freud's edge treatment and grooving bits to add zest to your project. Add decorative edges and grooves to mouldings, plaques and furniture; create antique patterns; and produce unique designs. Freud's grooving bits plunge cut for superb fluting and sign making.

Round Nose Bits

- Provides a perfect radius groove every time.
- Produces several different styles of fluted millwork.
- Ideal for making signs or cutting decorative designs in cabinet doors.



18-108



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.	Carbide Height	Large Radius	Shank Dia.	Overall Length
18-100*	1/8"	3/8"	1/16"	1/4"	2"
18-102*	3/16"	3/8"	3/32"	1/4"	2"
18-104*	1/4"	3/8"	1/8"	1/4"	2"
18-106	3/8"	3/8"	3/16"	1/4"	1 13/16"
18-108	1/2"	3/8"	1/4"	1/4"	1 13/16"
18-110	5/8"	7/16"	5/16"	1/4"	2"
18-112	3/4"	7/16"	3/8"	1/4"	2"
18-113	1"	3/4"	1/2"	1/4"	2 3/16"
18-114	1/4"	3/8"	1/8"	1/2"	2 1/4"
18-115	3/8"	3/8"	3/16"	1/2"	2 1/4"
18-116	1/2"	1 1/8"	1/4"	1/2"	2 13/16"
18-122	3/4"	1 1/4"	3/8"	1/2"	2 13/16"
18-126	1"	1 1/4"	1/2"	1/2"	2 13/16"
18-130	1 1/4"	3/4"	5/8"	1/2"	2 13/16"
18-134	1 1/2"	1 1/4"	3/4"	1/2"	2 3/4"
18-138	2"	1 1/4"	1"	1/2"	2 3/4"

Top Bearing Round Nose Bits

18-508	1/2"	23/64"	1/4"	1/4"	2 1/4"
18-510	5/8"	7/16"	5/16"	1/4"	2 11/32"
18-512	3/4"	7/16"	3/8"	1/4"	2 11/32"
18-522	3/4"	1 1/4"	—	1/2"	2 27/32"

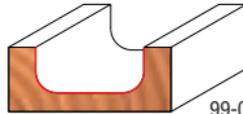


*Solid carbide
See pages 76-77 for replacement bearing item numbers.

17

Dish Carving Bits

- Designed to hog-out large amounts of wood.
- Excellent for making trays, coasters and raised letter signs.



99-026



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.	Carbide Height	Large Radius	Shank Dia.	Overall Length
19-102	7/16"	1/2"	1/8"	1/4"	2"
19-104	1/2"	1/2"	1/8"	1/4"	2 1/8"
19-126	3/4"	5/8"	1/4"	1/2"	2 5/8"
99-026	1 1/4"	19/32"	1/4"	1/2"	2 1/16"

Top Bearing Dish Carving Bits

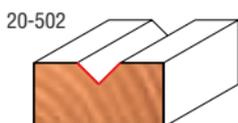
19-506	3/4"	5/8"	1/4"	1/4"	2 3/16"
19-576	3/4"	5/8"	1/4"	1/2"	2 5/8"
19-578	1 1/8"	5/8"	1/4"	1/2"	2 5/8"

See pages 76-77 for replacement bearing item numbers.



19-506

"V" Grooving Bits



- Allows you to cut deep or shallow "V" grooves.
- Ideal for making signs and adding decorative accents to furniture and plaques.

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.

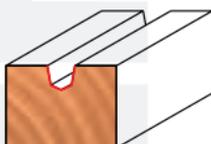
20-104

Item Number	Overall Dia.	Carbide Height	Angle	Shank Dia.	Overall Length
20-100	1/4"	1/4"	90°	1/4"	1 1/2"
20-102	3/8"	5/16"	90°	1/4"	1 3/4"
20-104	1/2"	7/16"	90°	1/4"	1 3/4"
20-106	5/8"	1/2"	90°	1/2"	2 1/4"
20-107	3/8"	1/2"	90°	1/2"	2 1/4"
20-108	3/4"	1/2"	90°	1/2"	2 1/4"
20-109	1/2"	1/2"	90°	1/2"	2 1/4"
20-110	7/8"	5/8"	90°	1/2"	2 1/4"
20-112	1"	5/8"	90°	1/2"	2 1/2"
20-116	1 1/2"	1"	90°	1/2"	3"
20-120	2"	1 1/4"	90°	1/2"	3 5/16"
20-152*	1/2"	1/2"	60°	1/4"	2"
20-154*	5/8"	1 1/32"	60°	1/4"	1 5/16"
Top Bearing Bits					
20-502	1/2"	7/16"	90°	1/4"	2 1/4"

*Solid carbide

See pages 76-77 for replacement bearing item numbers.

18



70-102

- Comprised of solid MicroGrain Carbide for a longer cutting life.
- Produces an attractive double "V" groove to accent furniture, cabinet doors or millwork.

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	Shank Dia.	Overall Length
70-102*	1/4"	3/16"	7/32"	3/64"	1/4"	1 1/2"

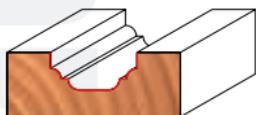
*Solid Carbide

"V" Veining Bit

Cove & Bead Groove Bits



39-102



- Creates decorative grooves in moulding and furniture.

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.

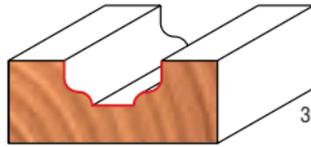
Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Shank Dia.	Overall Length
39-100	3/4"	3/16"	3/8"	3/32"	1/4"	1 1/2"
39-102	1"	3/4"	1/2"	1/8"	1/4"	1 3/4"

Ogee Groove Bits

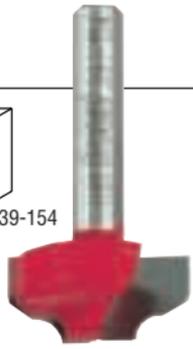
- Produces decorative grooves in moulding and furniture.
- Use with a guide to create an ogee edge profile.

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.



39-154



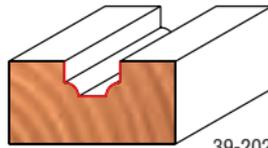
Item Number	Overall Dia.	Small Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
39-152	1/2"	1/4"	5/16"	1/16"	1/4"	1 9/16"
39-154	7/8"	3/8"	13/32"	1/8"	1/4"	1 11/16"

Ovolo Bits

- Ideal for cutting the decorative groove in French Provincial style doors and cabinets.
- Creates decorative grooves in moulding and furniture.

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.



39-202



Item Number	Overall Dia.	Small Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
39-202	1/2"	1/4"	5/16"	1/8"	1/4"	1 3/4"
39-204	7/8"	1/2"	1/2"	3/16"	1/4"	1 3/4"
39-205	7/8"	1/4"	5/8"	1/4"	1/4"	2"
39-206	1"	1/2"	1/2"	1/4"	1/4"	1 3/4"
39-208	1 1/4"	1/2"	9/16"	3/8"	1/4"	1 13/16"
39-210	1 1/2"	1/2"	3/4"	1/2"	1/4"	2"
39-226	1"	1/2"	1/2"	1/4"	1/2"	2"
39-228	1 1/4"	1/2"	9/16"	3/8"	1/2"	2 1/16"
39-230	1 1/2"	1/2"	3/4"	1/2"	1/2"	2 1/4"
39-232	1 3/4"	1/2"	7/8"	5/8"	1/2"	2 3/8"
39-234	2"	1/2"	1"	3/4"	1/2"	2 1/2"
39-236	2 1/4"	1/2"	1 1/8"	7/8"	1/2"	2 5/8"
39-252	1 1/8"	1/2"	1 1/32"	1/4"	1/2"	2 23/32"

Top Bearing Bits

39-578	1 1/4"	1/2"	9/16"	3/8"	1/2"	2 5/16"
39-580	1 1/2"	1/2"	3/4"	1/2"	1/2"	2 1/2"

See pages 76-77 for replacement bearing item numbers.



39-578

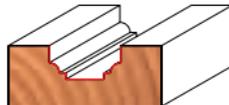
19

Classical Beading Groove Bits

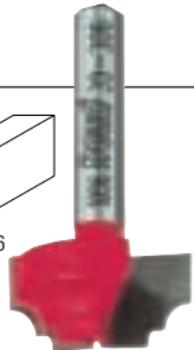
- Produces decorative grooves in moulding and furniture.
- Simple bead and flat bottom design adds depth to any surface.

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.



39-306

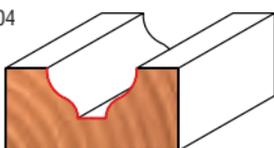


Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
39-302	1/2"	2 1/64"	3/8"	3/64"	3/64"	1/4"	1 5/8"
39-304	5/8"	5/16"	3/8"	3/64"	3/32"	1/4"	1 5/8"
39-306	7/8"	15/32"	29/64"	5/64"	1/8"	1/4"	1 23/32"

Standard Ogee Groove Bit



99-004



- Accents any project with a slight, decorative groove.
- Can produce a decorative edge when used with an edge guide.

Application:

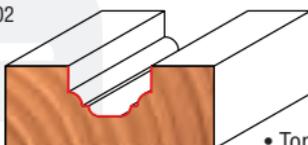
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Small Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
99-004	1 ³ / ₁₆ "	1/4"	2 ⁹ / ₆₄ "	1 ⁵ / ₆₄ "	1/2"	1 ¹⁵ / ₁₆ "

Top Bearing Classical Cove & Bead Groove Bits



39-502



- Produces a cove and bead groove with a flat bottom to add depth to furniture or millwork.
- Can create a decorative edge profile.
- Top mounted bearing allows you to do template work without a template guide set.

Application:

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

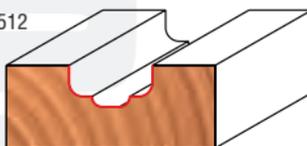
Item Number	Overall Dia.	Small Dia.	Carbide Height	Large Radius	Small Radius	Shank Dia.	Overall Length
39-502	3/4"	1/4"	7/16"	1/8"	3/32"	1/4"	2 ¹ / ₈ "
39-504	1 ⁷ / ₆₄ "	2 ¹ / ₃₂ "	1/2"	5/32"	1/8"	3/8"	2 ¹ / ₄ "
39-506	1 ³ / ₈ "	2 ⁷ / ₃₂ "	9/16"	3/16"	5/32"	3/8"	2 ⁷ / ₁₆ "

See pages 76-77 for replacement bearing item numbers.

Top Bearing Double Cove Groove Bits



39-512



- Carves an attractive double cove design that accents any project.

- Can create a decorative edge profile.
- Top mounted bearing allows you to do template work without a template guide set.

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	Large Radius	Small Radius	Shank Dia.	Overall Length
39-512	3/4"	1 ¹ / ₃₂ "	3/8"	1/8"	3/32"	1/4"	2 ¹ / ₁₆ "
39-514	1 ⁷ / ₆₄ "	5/8"	7/16"	5/32"	1/8"	3/8"	2 ³ / ₁₆ "
39-516	1 ³ / ₈ "	2 ⁷ / ₃₂ "	1/2"	3/16"	5/32"	3/8"	2 ⁵ / ₁₆ "

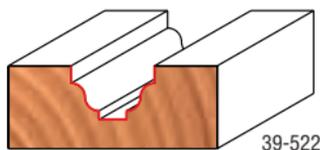
NEW
NEW

See pages 76-77 for replacement bearing item numbers.

Top Bearing Fillet Ogee

Groove Bits

- Produces a smooth and symmetrical ogee profile ending in a fillet.
- Flat bottom of the groove can create the illusion of panel construction.
- Can create a decorative edge profile.
- Top mounted bearing allows you to do template work without a template guide set.



Application:

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

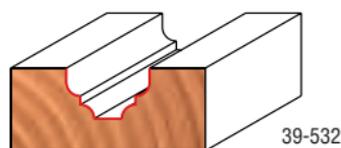
Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
39-522	3/4"	1/4"	1/2"	5/32"	1/8"	1/4"	2 3/16"
39-524	1 1/64"	15/32"	9/16"	5/32"	5/32"	3/8"	2 1/4"
39-526	1 3/8"	5/8"	5/8"	5/32"	3/16"	3/8"	2 1/16"

See pages 76-77 for replacement bearing item numbers.

Top Bearing Cove & Bead

Groove Bits

- Creates a traditional cove and bead profile.
- Flat bottom of the groove can create the illusion of panel construction.
- Can create a decorative edge profile.
- Top mounted bearing allows you to do template work without a template guide set.



21

Application:

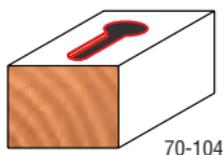
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
39-532	3/4"	1/4"	31/64"	5/64"	1/8"	1/4"	2 3/16"
39-534	1 1/64"	31/64"	35/64"	5/64"	5/32"	3/8"	2 5/16"
39-536	1 3/8"	5/8"	39/64"	5/64"	3/16"	3/8"	2 1/16"

See pages 76-77 for replacement bearing item numbers.

Key Hole Bit

- Creates key holes for hanging plaques and shelves.
- Features chip breakers to reduce burning.
- Large diameter bores holes to allow nail or screw heads to enter the slot.
- Smaller diameter allows room for the shank of the nail or screw.

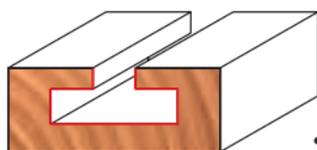


Application:

- 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	Shank Dia.	Overall Length
70-104	25/64"	3/16"	7/16"	1/4"	1/4"	1 5/8"

T-Slotting Cutters



- Ideal for creating a display with slotted walls.

Application:

- Cuts all composition materials, plywood, hardwood, and soft wood.

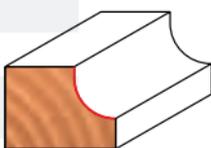
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Small Dia.	Carbide Height	Minor Height	Shank Dia.	Overall Length
52-522	1 1/8"	3/8"	1 3/16"	5/16"	1/2"	2 1/2"
52-524	1 3/8"	1/2"	7/8"	3/8"	1/2"	2 1/2"

52-522



Cove Bits



- Creates a smooth classic cove profile.
- Upward shear angle offers a more efficient, smoother cut.
- Shear angle allows the bit to slice wood similar to the way a craftsman uses a hand plane.

Application:

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

30-104



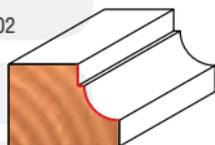
22

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
30-094	1/2"	3/8"	1/2"	1/16"	1/4"	2 3/16"
30-098	5/8"	3/8"	1/2"	1/8"	1/4"	2 3/16"
30-100	3/4"	3/8"	1/2"	3/16"	1/4"	2 3/16"
30-102	7/8"	3/8"	1/2"	1/4"	1/4"	2 3/16"
30-103	1 1/8"	1/2"	1/2"	5/16"	1/4"	2 3/16"
30-104	1 1/4"	1/2"	1/2"	3/8"	1/4"	2 3/16"
30-106	1 3/8"	3/8"	5/8"	1/2"	1/4"	2 3/16"
30-107	1 3/4"	1/2"	3/4"	5/8"	1/2"	2 1/2"
30-108	2"	1/2"	7/8"	3/4"	1/2"	2 5/8"
30-109	7/8"	1/2"	1/2"	3/16"	1/2"	2 1/2"
30-110	1"	1/2"	1/2"	1/4"	1/2"	2 1/2"
30-111	1 1/8"	1/2"	1/2"	5/16"	1/2"	2 1/2"
30-112	1 1/4"	1/2"	1/2"	3/8"	1/2"	2 1/2"
30-114	1 3/8"	3/8"	5/8"	1/2"	1/2"	2 1/2"

NEW
NEW

See pages 76-77 for replacement bearing item numbers.

Cove & Fillet Bits



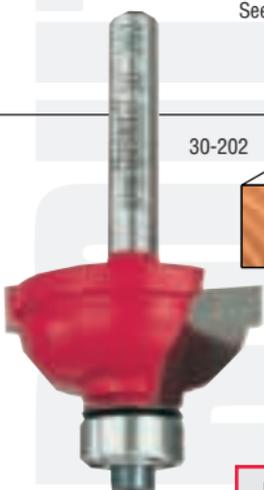
- Produces a standard cove with a small fillet at the top.
- Profile used in many traditional pieces of furniture and millwork.

- Create only a cove profile by simply raising the bit.

Application:

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

30-202



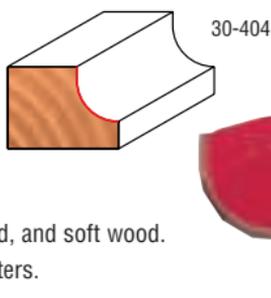
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NEW

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
30-202	1 1/4"	1/2"	1 9/32"	1 3/64"	3/16"	1/4"	2 3/16"
38-270	1 1/8"	1/2"	1/2"	3/16"	3/16"	1/4"	2 3/16"
38-280	1 1/8"	1/2"	1/2"	3/16"	3/16"	1/2"	2 1/2"
38-282	1 1/4"	1/2"	1 9/32"	5/16"	5/16"	1/2"	2 1/2"

See pages 76-77 for replacement bearing item numbers.

Cove Bits with Steel Pilots

- Creates a smooth classic cove profile.
- Upward shear angle gives a more efficient, smoother cut.
- Removing steel pilots will add the versatility of routing grooves or deeper coves.



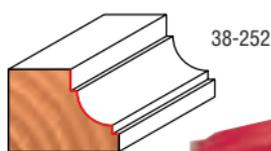
Application:

- 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	Large Radius	Shank Dia.	Overall Length
30-400	3/4"	1/2"	33/64"	3/16"	1/4"	2"
30-404	1 1/4"	1/2"	7/16"	3/8"	1/2"	2"

Classical Cove Bits

- Produces a cove profile with a small fillet at the top and bottom.
- Adds a traditional detail to furniture and millwork.



Application:

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

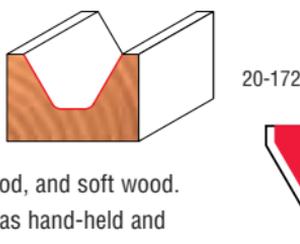
Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
38-250	1 1/8"	1/2"	3/16"	3/16"	1/4"	2 3/16"
38-252	1 1/4"	19/32"	13/64"	5/16"	1/4"	2 3/16"
38-260	1 1/8"	1/2"	3/16"	3/16"	1/2"	2 1/2"
38-262	1 1/4"	19/32"	13/64"	5/16"	1/2"	2 1/2"

See pages 76-77 for replacement bearing item numbers.

23

Lettering Bits

- 60° angle for highly readable relief lettering.
- Flattened end removes excess material between letters quickly.



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.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
20-172	1"	—	3/4"	1/8"	1/4"	2"
20-174	1 1/8"	—	3/4"	1/8"	1/2"	2 1/4"
Top Bearing Lettering Bit						
20-574	1 1/8"	1 1/8"	3/4"	1/8"	1/2"	2 13/32"

See pages 76-77 for replacement bearing item numbers.

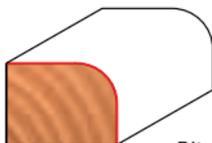
NEW

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Rounding Over Bits

34-114



- Soften furniture edges with a rounding over bit.
- Shear angle provides the smoothest cut available.
- Bits can be equipped with a Freud 62-102 bearing for beading work.

Application:

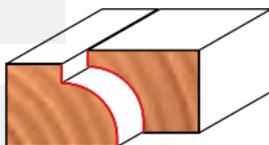
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
34-100	5/8"	1/2"	1/2"	1/16"	1/4"	2 3/16"
34-104	3/4"	1/2"	1/2"	1/8"	1/4"	2 3/16"
34-106	13/16"	1/2"	1/2"	5/32"	1/4"	2 3/16"
34-108	7/8"	1/2"	1/2"	3/16"	1/4"	2 3/16"
34-110	1"	1/2"	1/2"	1/4"	1/4"	2 3/16"
34-112	1 1/8"	1/2"	1/2"	5/16"	1/4"	2 3/16"
34-114	1 1/4"	1/2"	5/8"	3/8"	1/4"	2 3/16"
34-116	1 1/2"	1/2"	3/4"	1/2"	1/4"	2 1/2"
34-117	5/8"	1/2"	1/2"	1/16"	1/2"	2 1/2"
34-118	3/4"	1/2"	1/2"	1/8"	1/2"	2 1/2"
34-119	7/8"	1/2"	1/2"	3/16"	1/2"	2 1/2"
34-120	1"	1/2"	1/2"	1/4"	1/2"	2 1/2"
34-122	1 1/8"	1/2"	1/2"	5/16"	1/2"	2 1/2"
34-124	1 1/4"	1/2"	5/8"	3/8"	1/2"	2 5/8"
34-126	1 1/2"	1/2"	3/4"	1/2"	1/2"	2 3/4"
34-127	1 3/4"	1/2"	7/8"	5/8"	1/2"	2 7/8"
34-128	2"	1/2"	1"	3/4"	1/2"	2 7/8"
34-130	2 1/4"	1/2"	1 1/4"	7/8"	1/2"	3 1/8"
34-132	2 1/2"	1/2"	1 1/4"	1"	1/2"	3 1/8"
34-134	2 3/4"	1/2"	1 3/8"	1 1/8"	1/2"	3 1/4"
34-136	3"	1/2"	1 1/2"	1 1/4"	1/2"	3 3/8"
34-138	3 1/4"	1/2"	1 5/8"	1 3/8"	1/2"	3 3/8"
34-140	3 1/2"	1/2"	1 3/4"	1 1/2"	1/2"	3 5/8"

See pages 76-77 for replacement bearing item numbers.

Drop-Leaf Table Bit Sets

33-116
33-106



- This matched set of bits produces the special mating edge profiles for drop-leaf tables.
- Each set includes one rounding over bit and one cove bit.

- For bit dimensions, see charts in Rounding Over Bits and Cove Bits sections.

Application:

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

Item Number	Table Top Thickness	Cove Bit Item #	Rounding Over Bit Item #	Shank Dia.
33-106	3/4"	30-106	34-116	1/4"
33-116	3/4"	30-114	34-126	1/2"

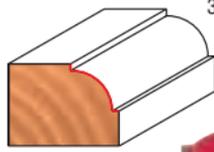
See pages 76-77 for replacement bearing item numbers.

Beading Bits

- Adds an attractive bead profile to furniture and millwork.
- Bearings can be equipped with a Freud 62-104 bearing for rounding over work.

Application:

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



36-114



Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
36-100	5/8"	3/8"	1/2"	1/16"	1/4"	2 3/16"
36-104	3/4"	3/8"	1/2"	1/8"	1/4"	2 3/16"
36-106	13/16"	3/8"	1/2"	5/32"	1/4"	2 3/16"
36-108	7/8"	3/8"	1/2"	3/16"	1/4"	2 3/16"
36-110	1"	3/8"	1/2"	1/4"	1/4"	2 3/16"
36-112	1 1/8"	3/8"	1/2"	5/16"	1/4"	2 3/16"
36-114	1 1/4"	3/8"	5/8"	3/8"	1/4"	2 3/16"
36-116	1 1/2"	3/8"	3/4"	1/2"	1/4"	2 1/2"
36-117	5/8"	3/8"	1/2"	1/16"	1/2"	2 1/2"
36-118	3/4"	3/8"	1/2"	1/8"	1/2"	2 1/2"
36-119	7/8"	3/8"	1/2"	3/16"	1/2"	2 1/2"
36-120	1"	3/8"	1/2"	1/4"	1/2"	2 1/2"
36-122	1 1/8"	3/8"	1/2"	5/16"	1/2"	2 1/2"
36-124	1 1/4"	3/8"	5/8"	3/8"	1/2"	2 5/8"
36-126	1 1/2"	3/8"	3/4"	1/2"	1/2"	2 3/4"
36-127	1 3/4"	3/8"	7/8"	3/8"	1/2"	2 7/8"
36-128	2"	3/8"	1"	3/4"	1/2"	2 7/8"
36-130	2 1/4"	3/8"	1 1/4"	7/8"	1/2"	3 1/8"
36-132	2 1/2"	3/8"	1 1/4"	1"	1/2"	3 1/8"
36-134	2 3/4"	3/8"	1 3/8"	1 1/8"	1/2"	3 1/4"
36-136	3"	3/8"	1 1/2"	1 1/4"	1/2"	3 3/8"
36-138	3 1/4"	3/8"	1 1/2"	1 3/8"	1/2"	3 3/8"
36-140	3 1/2"	3/8"	1 3/4"	1 1/2"	1/2"	3 5/8"

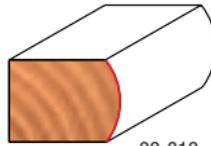
See pages 76-77 for replacement bearing item numbers.

Convex Edge Bit

- Creates a soft, gently rounded edge on any project.
- Shear angle allows the bit to slice wood similar to the way to craftsman uses a hand plane.

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.



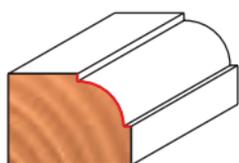
99-019



Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
99-019	1"	1 5/8"	7/8"	39/64"	1/2"	3 1/16"

Beading Bits with Steel Pilots

36-214



- Creates an attractive bead profile for furniture and millwork.
- Remove steel pilots to produce a traditional beaded groove.

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.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
36-208	7/8"	3/8"	1/2"	3/16"	1/4"	2"
36-210	1"	3/8"	33/64"	1/4"	1/4"	2"
36-214	1 1/4"	3/8"	45/64"	3/8"	1/4"	2"
36-216	1 1/2"	3/8"	49/64"	1/2"	3/8"	2 1/2"

34-214



Rounding Over Bits with Steel Pilots

- Profile ideal for softening the edges of furniture.

- Remove steel pilots to produce a traditional beaded groove.

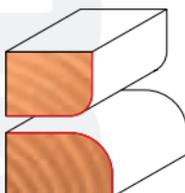
Application:

- 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	Large Radius	Shank Dia.	Overall Length
34-208	7/8"	1/2"	1/2"	3/16"	1/4"	2"
34-210	1"	1/2"	33/64"	1/4"	1/4"	2"
34-214	1 1/4"	1/2"	45/64"	3/8"	1/4"	2"

Combination Rounding Over Bit

99-044



- Combines two of Freud's most popular bits into one bit: a 1/4" and a 1/2" rounding over bit.
- Ideal for creating new moulding profiles.

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
99-044	1 31/64"	1"	9/32"	1/2"	1/4"	1/2"	2 13/16"

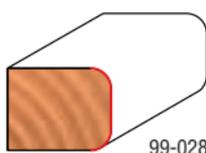
See pages 76-77 for replacement bearing item numbers.

Variable Corner Round Bit

- Saves you time by rounding both edges on a board in one pass, rather than using standard rounding over bits that require two passes.
- Will work with stock from 1/2" to 1 1/4" thick.

Application:

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



Item Number	Overall Dia.	Bearing Height	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
99-028	1 13/32"	5/16"	17/64"	7/16"-1 1/4"	3/16"	1/2"	3 1/2"

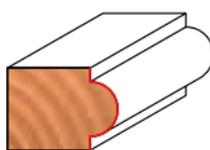
See pages 76-77 for replacement bearing item numbers.

Half Round Bits

- Produces a fully rounded edge on dimensional lumber.
- Creates an attractive half-round profile on furniture and mouldings.
- Guiding device must be used.

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.



82-104



Item Number	Overall Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
82-100	1 1/16"	7/16"	3/32"	1/4"	1 13/16"
82-102	3/4"	1/2"	1/8"	1/4"	1 7/8"
82-104	7/8"	27/32"	3/16"	1/4"	2 1/8"
82-106	1"	29/32"	1/4"	1/4"	2 1/4"
82-108	1 1/16"	7/16"	3/32"	1/2"	2 1/16"
82-110	3/4"	1/2"	1/8"	1/2"	2 3/32"
82-112	7/8"	27/32"	3/16"	1/2"	2 3/8"
82-114	1"	29/32"	1/4"	1/2"	2 9/16"
82-116	1 29/64"	1 11/64"	3/8"	1/2"	2 19/64"
82-118	1 13/16"	1 27/64"	1/2"	1/2"	2 7/8"
82-120	2"	2"	5/8"	1/2"	3 1/2"

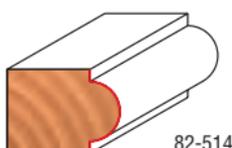
27

Half Round Bits with Bearings

- Adds an attractive half-round profile on furniture and mouldings.
- Enhances dimensional lumber with a fully rounded edge.
- Comes with bearings.

Application:

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



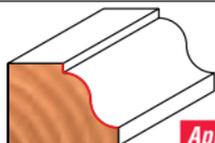
82-514



Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
82-510	1 3/32"	5/8"	1"	1/4"	1/2"	2 7/8"
82-512	1 3/8"	5/8"	1 1/16"	3/8"	1/2"	3 1/4"
82-514	1 3/4"	3/4"	1 19/32"	1/2"	1/2"	3 3/4"
82-515	2"	3/4"	2"	5/8"	1/2"	3 13/16"

See pages 76-77 for replacement bearing item numbers.

Roman Ogee Bits



- Roman Ogee pattern will add elegance to any project.
- Change the profile by changing the height of the bit.

Application:

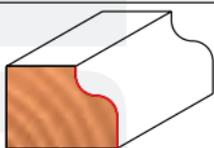
38-100

- 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	Large Radius	Shank Dia.	Overall Length
38-100	1 1/16"	3/8"	1/2"	5/32"	1/4"	2 3/16"
38-102	1 3/8"	3/8"	23/32"	1/4"	1/4"	2 3/8"
38-104	1 1/16"	3/8"	1/2"	5/32"	1/2"	2 3/8"
38-106	1 3/8"	3/8"	23/32"	1/4"	1/2"	2 9/16"

See pages 76-77 for replacement bearing item numbers.

Ogee Bits



- Profile adds a distinctive look to furniture or millwork.
- Freud's special Three Axis Grinding prevents this bit from burning.

Application:

38-152

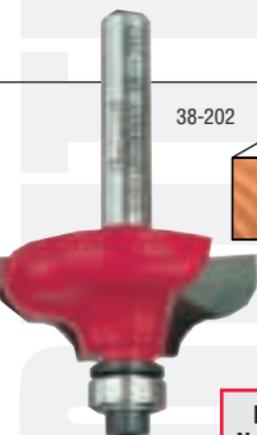
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
38-152	1 1/4"	1/2"	1/2"	3/16"	1/4"	2 1/8"
38-154	1 1/2"	1/2"	5/8"	1/4"	1/4"	2 3/16"
99-006	1 1/2"	1/2"	21/32"	21/64"	1/2"	2 1/2"

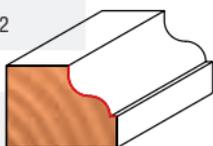
See pages 76-77 for replacement bearing item numbers.

28

Ogee Fillet Bits



38-202



- Profile includes a small fillet at the bottom of the ogee pattern.
- Convert to an ogee bit by replacing bearing with a 62-104 bearing.

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	Large Radius	Shank Dia.	Overall Length
38-202	1 1/4"	3/8"	1/2"	3/16"	1/4"	2 1/8"
38-204	1 1/2"	3/8"	5/8"	1/4"	1/4"	2 3/16"

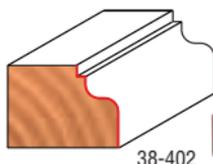
See pages 76-77 for replacement bearing item numbers.

Classical Roman Ogee Bits

- Adds a touch of classical styling to any project.
- Freud's Three Axis Grinding System helps prevent burning associated with detailed bits from other manufacturers.

Application:

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



38-402



Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
38-402	1¼"	19/32"	15/64"	1/8"	1/4"	2 3/16"
99-005	1 3/8"	9/16"	7/32"	3/16"	1/2"	2 7/16"

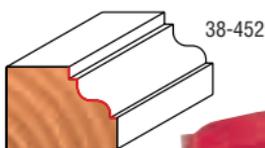
See pages 76-77 for replacement bearing item numbers.

Double Fillet Ogee Bit

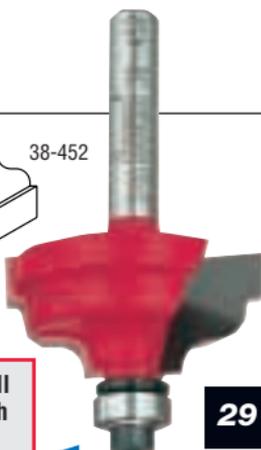
- Produces an attractive edge profile to accent furniture, cabinets and millwork.

Application:

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



38-452



Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
38-452	1¼"	19/32"	15/64"	1/8"	1/4"	2 3/16"
99-003	1 3/8"	9/16"	13/64"	11/64"	1/2"	2 5/16"

See pages 76-77 for replacement bearing item numbers.

29

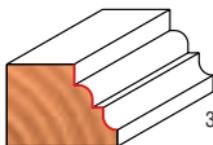
NEW

Cove & Bead Bits

- Create a sophisticated cove and bead design.
- Ideal for forming decorative mouldings.

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.



38-302

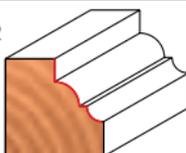


Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
38-302	1 1/2"	5/8"	7/32"	1/8"	1/4"	2 3/16"
38-304	1 1/16"	23/32"	7/32"	1/4"	1/4"	2 5/16"
38-312	1 1/32"	5/8"	7/32"	1/8"	1/2"	2 9/16"
38-314	1 9/16"	23/32"	7/32"	1/4"	1/2"	2 3/4"
99-009	1 3/8"	9/16"	7/32"	13/64"	1/2"	2 3/8"

See pages 76-77 for replacement bearing item numbers.

Classical Cove & Bead Bits

38-352



- Accents any piece of furniture or millwork with classical cove design.
- Computer balancing of all Freud bits will ensure a smooth, vibration-free cut.

Application:

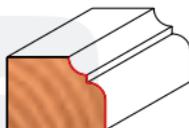
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Large Radius	Small Radius	Shank Dia.	Overall Length
38-352	1½"	⅝"	¼"	⅝ ₃₂ "	¼"	2¼"
38-362	1½"	⅝"	¼"	⅝ ₃₂ "	½"	2½"

See pages 76-77 for replacement bearing item numbers.

Classical Bold Cove & Round Bits

38-502



- Ideal for forming a decorative edge on tabletops, plaques and cabinetry.
- Use Freud's 62-102 to convert round over profile into a bead.

Application:

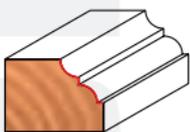
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
38-502	1¼"	½"	⅞ ₁₆ "	⅜ ₁₆ "	¼"	2⅞ ₁₆ "
38-504	1½"	½"	1⅞ ₁₆ "	¼"	¼"	2⅞ ₁₆ "

See pages 76-77 for replacement bearing item numbers.

Classical Bold Cove & Bead Bits

38-522



- Classical lines will accent any piece of furniture or millwork.
- Computer balancing of all Freud bits will ensure a smooth, vibration-free cut.

Application:

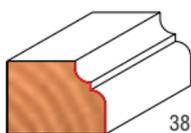
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Small Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
38-522	1¼"	⅞"	⅜"	⅞ ₁₆ "	⅜ ₁₆ "	½"	2⅞ ₁₆ "
38-524	1½"	1"	⅜"	1⅞ ₁₆ "	¼"	½"	2⅞ ₁₆ "

See pages 76-77 for replacement bearing item numbers.

Classical Cove & Round Bits

- Adds a touch of elegance to any woodworking project.
- Freud's exclusive thick MicroGrain carbide tips will remain sharper than other standard carbides.



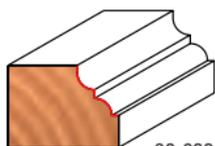
38-602

Application:

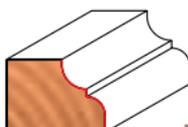
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
38-602	1 1/8"	1/2"	5/64"	5/32"	—	1/4"	2 5/16"
38-612	1 1/8"	1/2"	5/64"	5/32"	—	1/2"	2 9/16"
38-614	1 3/8"	1 1/16"	5/64"	1/4"	3/16"	1/2"	2 3/4"
38-622	1 1/8"	1/2"	5/64"	5/32"	—	1/4"	2 5/16"
38-632	1 1/8"	1/2"	5/64"	5/32"	—	1/2"	2 9/16"

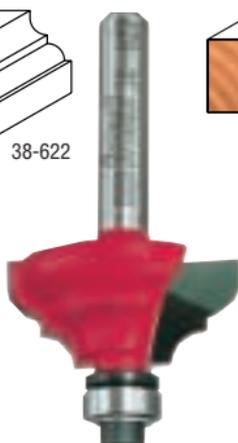
See pages 76-77 for replacement bearing item numbers.



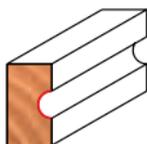
38-622



38-614



Flute Bits



99-029

- Double bearings on these bits create fluted chair legs and mouldings.
- Ideal for the production of Chippendale style chairs and tables.

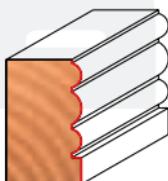
Application:

- 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	Shank Dia.	Overall Length
99-029	1 1/8"	7/8"	1/4"	1/8"	1/2"	3"
99-030	1 1/4"	7/8"	3/8"	3/16"	1/2"	3"

See pages 76-77 for replacement bearing item numbers.

Triple Beading Bits



80-558

- Create ornate multiple beads in decorative moulding and furniture.
- Each bit comes with a 3/4" bearing.

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.	Carbide Height	Large Radius	Small Radius	Shank Dia.	Overall Length
80-558	1 5/16"	1"	3/16"	1/8"	1/4"	2 5/8"
80-564	1 5/16"	1"	1/4"	3/32"	1/4"	2 5/8"
80-578	1 5/16"	1"	3/16"	1/8"	1/2"	2 3/4"
80-584	1 5/16"	1"	1/4"	3/32"	1/2"	2 3/4"

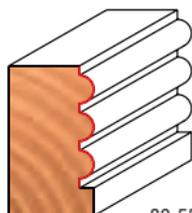
See pages 76-77 for replacement bearing item numbers.

Triple Beading & Triple Fluting Bits

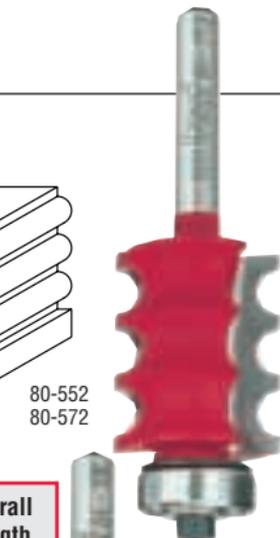
- Enhances mouldings and furniture with multiple beads or fluting.
- Each bit comes with a $\frac{3}{4}$ " bearing.

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.

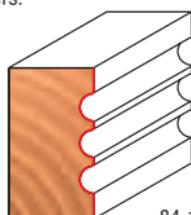


80-552
80-572



Item Number	Overall Dia.	Small Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
80-552	$\frac{7}{8}$ "	—	$1\frac{5}{64}$ "	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$2\frac{3}{4}$ "
80-572	$\frac{7}{8}$ "	—	$1\frac{5}{64}$ "	$\frac{1}{8}$ "	$\frac{1}{2}$ "	$3\frac{1}{8}$ "
84-106	$\frac{7}{8}$ "	$\frac{5}{8}$ "	$1\frac{5}{64}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$2\frac{5}{8}$ "
84-126	$\frac{7}{8}$ "	$\frac{5}{8}$ "	$1\frac{5}{64}$ "	$\frac{1}{8}$ "	$\frac{1}{2}$ "	3"

See pages 76-77 for replacement bearing item numbers.



84-106
84-126



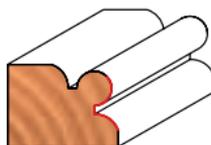
33

Corner Beading Bits

- Adds an attractive bead to beams, posts, railings and millwork.
- Ideal for accenting square table legs.

Application:

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

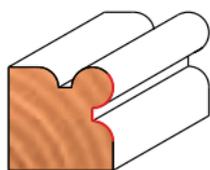


99-020
99-021



Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-020	$1\frac{1}{16}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{5}{64}$ "	$\frac{1}{32}$ "	$\frac{5}{32}$ "	$\frac{1}{2}$ "	$2\frac{1}{2}$ "
99-021	$1\frac{1}{4}$ "	$\frac{1}{2}$ "	$1\frac{15}{32}$ "	$\frac{9}{64}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$3\frac{3}{8}$ "
99-022	$1\frac{3}{64}$ "	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{15}{64}$ "	$\frac{15}{32}$ "	$\frac{25}{64}$ "	$\frac{1}{2}$ "	$3\frac{3}{8}$ "
99-023	$1\frac{5}{8}$ "	$\frac{7}{8}$ "	$\frac{53}{64}$ "	$\frac{5}{64}$ "	$\frac{3}{8}$ "	—	$\frac{1}{2}$ "	$3\frac{7}{16}$ "
99-024	$1\frac{3}{8}$ "	$\frac{7}{8}$ "	$\frac{37}{64}$ "	$\frac{5}{64}$ "	$\frac{1}{4}$ "	—	$\frac{1}{2}$ "	$3\frac{3}{16}$ "
99-025	$1\frac{1}{4}$ "	$\frac{7}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{8}$ "	$\frac{3}{16}$ "	—	$\frac{1}{2}$ "	$3\frac{1}{8}$ "

See pages 76-77 for replacement bearing item numbers.



99-023
99-024
99-025

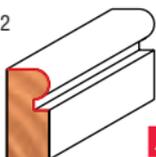


99-022



Traditional Beading Bits

80-102



- Forms a single bead with a square shoulder.
- Commonly used by remodelers to match mouldings in historic homes.

Application:

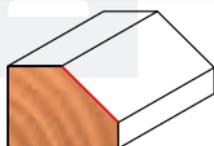
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
80-102	7/8"	1/2"	9/16"	1/8"	1/4"	2 3/16"
80-104	1"	1/2"	1 1/16"	3/16"	1/4"	2 7/16"
NEW 80-106	1 1/8"	1/2"	7/8"	1/4"	1/4"	2 3/8"
80-108	1 1/8"	1/2"	3/4"	9/32"	1/4"	2 3/8"
80-122	7/8"	1/2"	9/16"	1/8"	1/2"	2 7/16"
80-124	1"	1/2"	1 1/16"	3/16"	1/2"	2 7/16"
NEW 80-126	1 1/8"	1/2"	7/8"	1/4"	1/2"	2 5/8"
80-128	1 1/8"	1/2"	3/4"	9/32"	1/2"	2 5/8"
80-130	1 3/8"	1/2"	1"	3/8"	1/2"	2 7/8"

See pages 76-77 for replacement bearing item numbers.

Chamfer Bits

34



40-104

- Ideal for making multiple sided projects. 40-094 makes 16-sided pieces and 40-098 makes 12-sided pieces.
- Chamfer size is adjusted easily by changing the height of the bit.

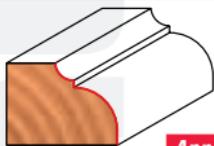
Application:

- 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
NEW 40-094	7/8"	1/2"	1"	11 1/4°	1/2"	2 3/4"
NEW 40-098	1"	1/2"	1"	15°	1/2"	1"
40-100	23/32"	1/2"	1/2"	15°	1/4"	2 3/16"
40-101	1 1/4"	1/2"	7/8"	22 1/2°	1/2"	2 5/8"
40-102	1 5/16"	1/2"	1/2"	25°	1/4"	2 3/16"
40-104	1 1/2"	1/2"	1/2"	45°	1/4"	2 3/16"
40-106	1 3/4"	1/2"	5/8"	45°	1/4"	2 3/16"
40-114	1 3/4"	1/2"	5/8"	45°	1/2"	2 3/16"
40-118	2 1/2"	1/2"	1"	45°	1/2"	2 7/8"
40-202	1 11/32"	1/2"	3/4"	30°	1/4"	2 1/4"
40-206	1 11/32"	1/2"	3/4"	30°	1/2"	2 3/4"

See pages 76-77 for replacement bearing item numbers.

Table Top Classical Bold Bit



99-011

- Designed with sharp curves to generate a strong, uplifting edge.
- Creates a bold effect on furniture of all types.

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	Large Radius	Small Radius	Shank Dia.	Overall Length
99-011	1 3/8"	1/2"	5/8"	25/64"	1 1/64"	1/2"	2 1/2"

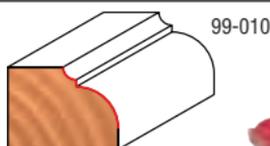
See pages 76-77 for replacement bearing item numbers.

Table Top Classical Bit

- Ideal for enhancing the beauty of the wood found in occasional and dining room tables.

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	Large Radius	Small Radius	Shank Dia.	Overall Length
99-010	1½"	½"	⅜"	⅜"	⅛"	½"	2½"

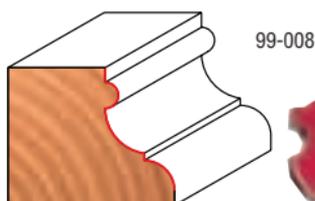
See pages 76-77 for replacement bearing item numbers.

Bold Classical Bit

- Forms beautiful wainscot and panel mouldings.
- Create numerous moulding profiles by using various bearings and multiple passes.

Application:

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



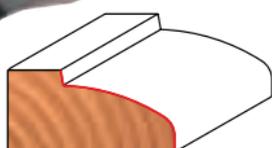
Item Number	Overall Dia.	Carbide Height	Large Radius	Small Radius 1	Small Radius 2	Shank Dia.	Overall Length
99-008	1¾"	1⅛"	13/32"	9/32"	⅛"	½"	3"

See pages 76-77 for replacement bearing item numbers.

Table Edge & Handrail Bits



99-027



- Produces sturdy, attractive handrails for staircases.
- Combine with another rail profile to create a custom railing design.

Application:

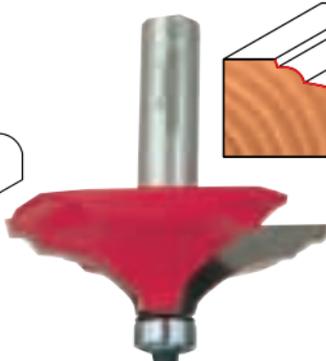
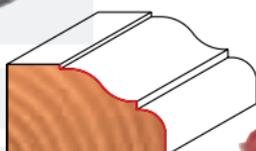
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as table-mounted portable routers.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-027	2 ¹⁹ / ₃₂ "	—	²³ / ₃₂ "	1 ²⁵ / ₃₂ "	¹³ / ₆₄ "	¹ / ₂ "	2 ³ / ₈ "
99-450	2 ¹ / ₂ "	¹ / ₂ "	²⁵ / ₃₂ "	³ / ₈ "	¹⁵ / ₆₄ "	¹ / ₂ "	2 ³ / ₄ "
99-452	2 ³ / ₈ "	¹ / ₂ "	²⁵ / ₃₂ "	1 ³ / ₃₂ "	¹¹ / ₆₄ "	¹ / ₂ "	2 ³ / ₄ "

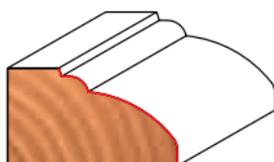
See pages 76-77 for replacement bearing item numbers.



99-450



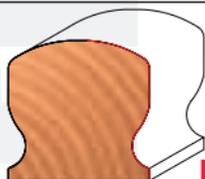
99-452



Handrail Bits



99-442



- Ideal for creating custom banisters and handrails.
- Use these bits for the lower profile on a handrail; select Freud bit 99-450 or 99-452 for the top profile.

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.	Bearing Dia.	Carbide Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-442	1 ³ / ₁₆ "	⁵ / ₈ "	1 ¹ / ₂ "	1"	³ / ₈ "	¹ / ₂ "	3 ¹ / ₂ "
99-444	1 ³ / ₁₆ "	⁵ / ₈ "	1 ¹ / ₂ "	¹ / ₂ "	³ / ₈ "	¹ / ₂ "	3 ¹ / ₂ "
99-446	1 ³ / ₈ "	¹ / ₂ "	1 ¹ / ₂ "	¹ / ₈ "	—	¹ / ₂ "	3 ¹ / ₄ "

NEW

Profiles shown also require the use of bit 99-027.

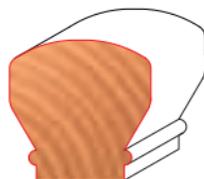
See pages 76-77 for replacement bearing item numbers.



99-444



99-446



Crown Moulding Bits

- Customize your decorative crown mouldings to add elegance to any room.
- Simply adjust the height of your cut to change the entire profile.

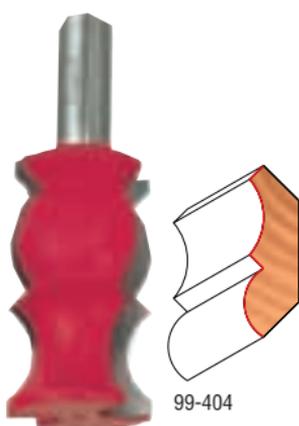


99-402

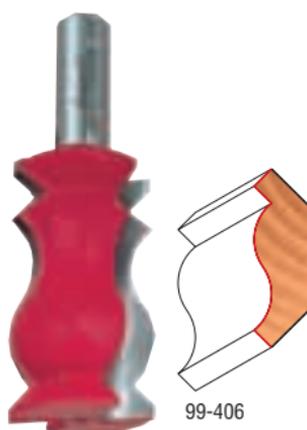
Application:

- 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.

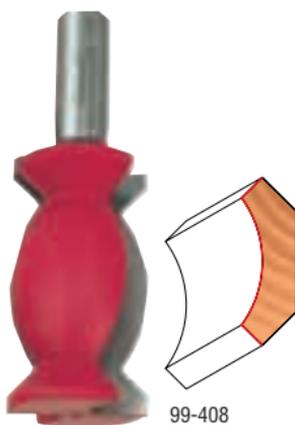
Item Number	Overall Dia.	Carbide Height	Large Radius	Small Radius	Angle	Shank Dia.	Overall Length
99-402	1 1/4"	2 1/4"	1 1/32"	7/32"	45°	1/2"	3 3/4"
99-404	1 1/4"	2 1/4"	4 3/64"	1 5/32"	45°	1/2"	3 3/4"
99-406	1 1/4"	2 1/4"	2 5/64"	1 7/32"	45°	1/2"	3 3/4"
99-408	1 1/4"	2 1/4"	1 1/2"	1 1/4"	45°	1/2"	3 3/4"
99-410	1 1/4"	2 1/4"	3/16"	1/8"	10°	1/2"	3 3/4"



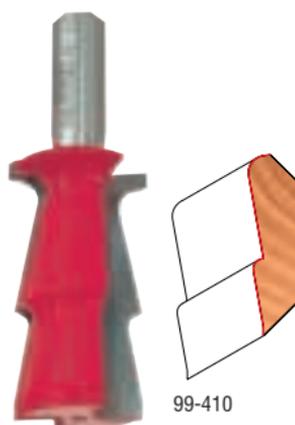
99-404



99-406

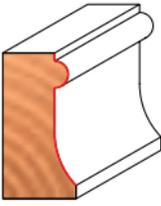


99-408



99-410

Face Moulding Bits



99-012

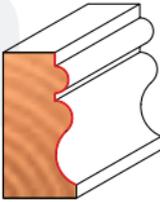
- Give your furniture and cabinets a custom design.
- Provides an architectural appearance for door casings, trim, baseboards and pilasters.

Application:

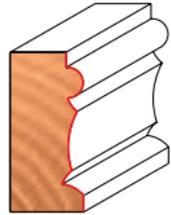
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-012	1 ⁵ / ₁₆ "	1 ³ / ₈ "	3 ³ / ₃₂ "	2 ⁵ / ₃₂ "	9 ³ / ₆₄ "	1 ¹ / ₂ "	3 ¹ / ₄ "
99-013	1 ⁵ / ₁₆ "	1 ³ / ₈ "	5 ⁵ / ₃₂ "	2 ¹ / ₆₄ "	9 ³ / ₆₄ "	1 ¹ / ₂ "	3 ¹ / ₄ "
99-014	1 ⁵ / ₁₆ "	1 ¹ / ₂ "	1 ¹ / ₆₄ "	2 ⁵ / ₃₂ "	5 ³ / ₃₂ "	1 ¹ / ₂ "	3 ³ / ₈ "
99-015	1 ¹ / ₁₆ "	1 ⁵ / ₈ "	5 ⁵ / ₆₄ "	5 ¹ / ₁₆ "	1 ¹ / ₈ "	1 ¹ / ₂ "	3 ¹ / ₂ "
99-016	1"	7 ⁷ / ₈ "	1 ¹ / ₈ "	4 ⁵ / ₆₄ "	1 ¹ / ₈ "	1 ¹ / ₂ "	2 ³ / ₄ "

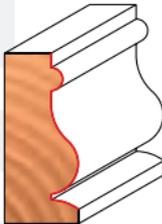
See pages 76-77 for replacement bearing item numbers.



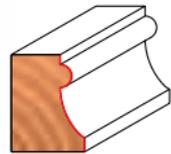
99-013



99-014



99-015



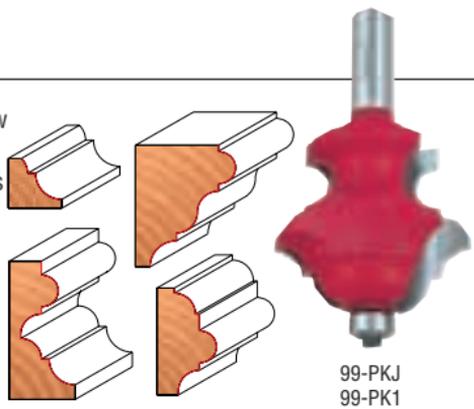
99-016

Multi-Profile Bits

- Thick carbide tips and a sturdy $\frac{1}{2}$ " shank allow you to produce countless moulding profiles.
- Produce an endless number of profile designs by varying the height and fence settings and making multiple passes.

Application:

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

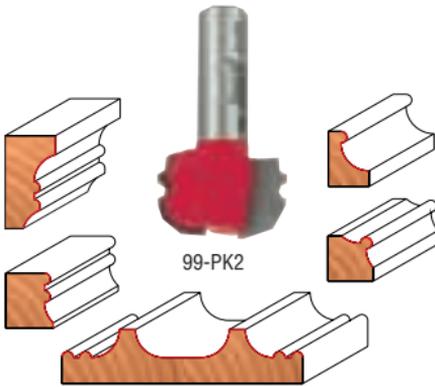


99-PKJ
99-PK1

Item Number	Overall Dia.	Small Dia.	Minor Height	Carbide Height	Large Radius	Small Radius 1	Small Radius 2	Shank Dia.	Overall Length
99-PKJ	$1\frac{1}{2}$ "	-	-	$1\frac{1}{64}$ "	$\frac{7}{32}$ "	$\frac{3}{16}$ "	$\frac{1}{8}$ "	$\frac{1}{2}$ "	3"
99-PK1	$2\frac{5}{32}$ "	-	-	$1\frac{59}{64}$ "	$2\frac{5}{64}$ "	$\frac{5}{16}$ "	$1\frac{5}{64}$ "	$\frac{1}{2}$ "	4"
99-PK2	$1\frac{1}{4}$ "	$1\frac{3}{32}$ "	$\frac{5}{64}$ "	$\frac{51}{64}$ "	$\frac{3}{8}$ "	$\frac{5}{64}$ "	-	$\frac{1}{2}$ "	$2\frac{1}{4}$ "
99-PK3	$1\frac{1}{4}$ "	$1\frac{3}{32}$ "	$\frac{5}{64}$ "	$2\frac{29}{32}$ "	$\frac{3}{8}$ "	$\frac{5}{64}$ "	-	$\frac{1}{2}$ "	$2\frac{7}{16}$ "
99-PK7	$2\frac{53}{64}$ "	$1\frac{1}{32}$ "	$\frac{3}{32}$ "	$1\frac{51}{64}$ "	$\frac{1}{4}$ "	$\frac{3}{16}$ "	-	$\frac{1}{2}$ "	$3\frac{1}{2}$ "

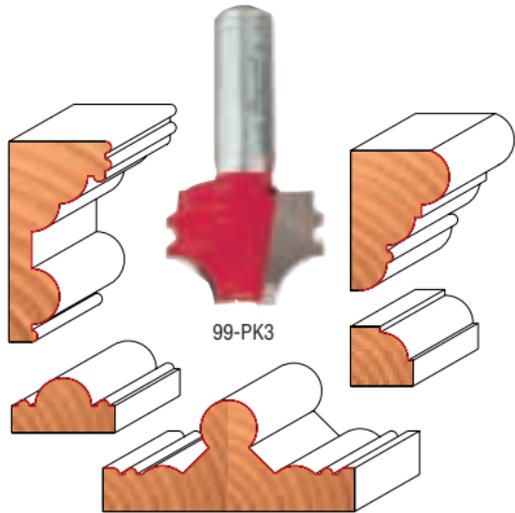
NEW

See pages 76-77 for replacement bearing item numbers.

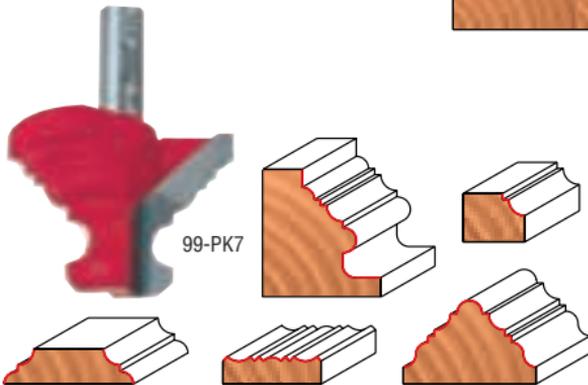


99-PK2

39



99-PK3



99-PK7