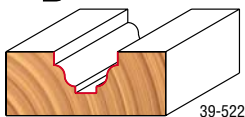


Top Bearing Fillet Ogee Groove Bits

- 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 82-83 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:

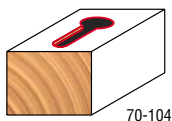
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

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 82-83 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:

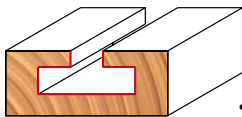
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

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



52-522



- Ideal for creating a display with slotted walls.

Application:

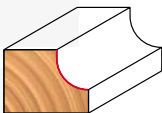
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

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"

Cove Bits



30-104



- 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.

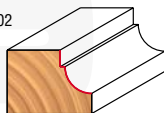
Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
30-094	1/2"	3/8"	1/2"	1/16"	1/4"	2 3/16"
30-098	5/8"	3/8"	1/2"	1/8"	1/4"	2 3/16"
30-100	3/4"	3/8"	1/2"	3/16"	1/4"	2 3/16"
30-102	7/8"	3/8"	1/2"	1/4"	1/4"	2 3/16"
30-103	1 1/8"	1/2"	1/2"	5/16"	1/4"	2 3/16"
30-104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

See pages 82-83 for replacement bearing item numbers.

Cove & Fillet Bits



30-202



- 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:

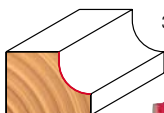
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

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"

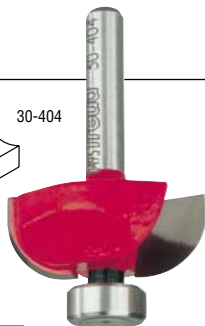
See pages 82-83 for replacement bearing item numbers.

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.



30-404



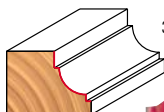
Application:

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

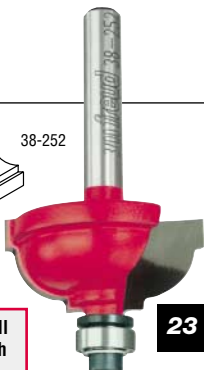
Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
30-400	3/4"	1/2"	33/64"	3/16"	1/4"	2"
30-404	1 1/4"	1/2"	7/16"	3/8"	1/4"	2"

Classical Cove Bits

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



38-252



Application:

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

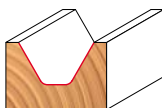
Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
38-250	1 1/8"	1/2"	3/16"	3/16"	1/4"	2 3/16"
38-252	1 1/4"	19/32"	13/64"	5/16"	1/4"	2 3/16"
38-260	1 1/8"	1/2"	3/16"	3/16"	1/2"	2 1/2"
38-262	1 1/4"	19/32"	13/64"	5/16"	1/2"	2 1/2"

23

See pages 82-83 for replacement bearing item numbers.

Lettering Bits

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



20-172



Application:

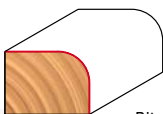
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

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 82-83 for replacement bearing item numbers.

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:

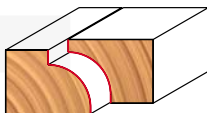
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

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 82-83 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"

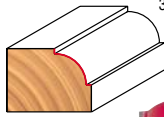
See pages 82-83 for replacement bearing item numbers.

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"

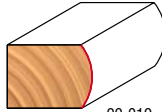
See pages 82-83 for replacement bearing item numbers.

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.



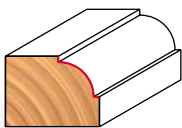
99-019



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"	49/64"	3/8"	1/4"	2"
36-216	1 1/2"	3/8"	49/64"	1/2"	3/8"	2 1/2"

Rounding Over Bits with Steel Pilots

34-214



- Profile ideal for softening the edges of furniture.

- Remove steel pilots to produce a traditional beaded groove.

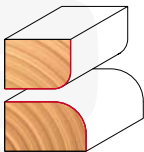
Application:

- 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"	49/64"	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"

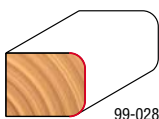
See pages 82-83 for replacement bearing item numbers.

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 19/32"	5/16"	17/64"	7/16"-1 1/4"	3/16"	1/2"	3 1/2"

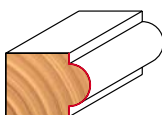
See pages 82-83 for replacement bearing item numbers.

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 7/32"
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 19/16"
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"

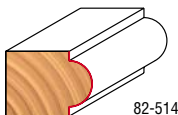
27

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.



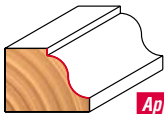
82-514



Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
82-510	1 7/32"	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 82-83 for replacement bearing item numbers.

Roman Ogee Bits



38-100

- Roman Ogee pattern will add elegance to any project.
- Change the profile 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	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 82-83 for replacement bearing item numbers.

Ogee Bits



38-152

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

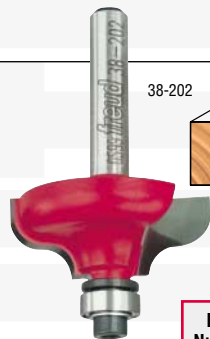
Application:

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

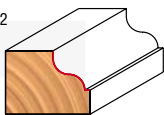
Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Shank Dia.	Overall Length
38-152	1 1/4"	1/2"	1/2"	3/16"	1/4"	2 1/8"
38-154	1 1/2"	1/2"	5/8"	1/4"	1/4"	2 3/16"
38-172	1 1/8"	1/2"	21/32"	21/64"	1/2"	2 1/4"
99-006	1 1/2"	1/2"	21/32"	21/64"	1/2"	2 1/2"

See pages 82-83 for replacement bearing item numbers.

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"
38-222	1 1/8"	3/8"	1/2"	5/32"	1/2"	2 1/4"
38-224	1 1/2"	3/8"	3/4"	1/4"	1/2"	2 1/2"

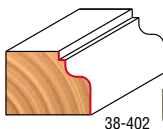
See pages 82-83 for replacement bearing item numbers.

Classical Roman Ogee Bits

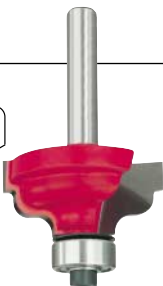
- Adds a touch of classical styling to any project.
- Freud's Three Axis Grinding System helps prevent burning associated with detailed bits from other manufacturers.

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"

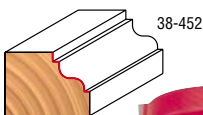
See pages 82-83 for replacement bearing item numbers.

Double Fillet Ogee Bit

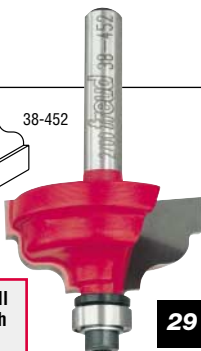
- Produces an attractive edge profile to accent furniture, cabinets and millwork.

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"	1 1/64"	1/2"	2 5/16"

See pages 82-83 for replacement bearing item numbers.

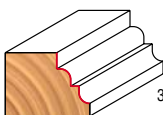
29

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

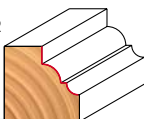


Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Shank Dia.	Overall Length
38-302	1 1/2"	5/8"	7/32"	1/8"	1/4"	2 3/16"
38-304	1 1/16"	23/32"	7/32"	1/4"	1/4"	2 5/16"
38-312	1 1/2"	5/8"	7/32"	1/8"	1/2"	2 9/16"
38-314	1 1/16"	23/32"	7/32"	1/4"	1/2"	2 3/4"
99-009	1 3/8"	9/16"	7/32"	13/64"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

See pages 82-83 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:

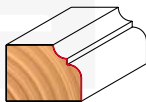
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

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 82-83 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:

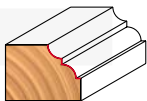
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

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 82-83 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:

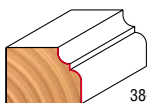
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

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 "	¼"	2⅞ ₁₆ "
38-524	1½"	1"	⅜"	1⅞ ₁₆ "	¼"	¼"	2⅞ ₁₆ "

See pages 82-83 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

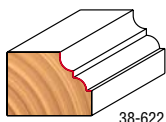
Application:

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

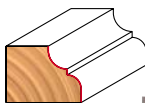


Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
38-602	1 1/8"	1/2"	5/64"	5/32"	—	1/4"	2 5/16"
38-612	1 1/8"	1/2"	5/64"	5/32"	—	1/2"	2 9/16"
38-613	1 3/8"	3/4"	5/64"	1/4"	3/16"	1/4"	2 1/4"
38-614	1 3/8"	1 1/16"	5/64"	1/4"	3/16"	1/2"	2 3/4"
38-622	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"
38-713	1 3/8"	3/4"	5/64"	1/4"	3/16"	1/2"	2 1/4"

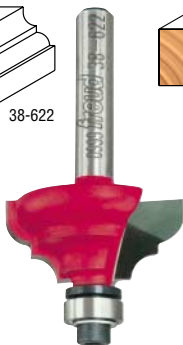
See pages 82-83 for replacement bearing item numbers.



38-622



38-614

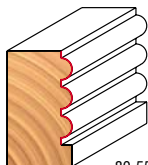


Triple Beading & Triple Fluting Bits

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

Application:

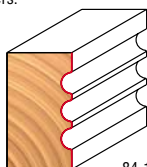
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.



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	$\frac{7}{8}$ "	$\frac{5}{8}$ "	$1\frac{5}{64}$ "	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$2\frac{5}{8}$ "
84-126	$\frac{7}{8}$ "	$\frac{5}{8}$ "	$1\frac{5}{64}$ "	$\frac{1}{8}$ "	$\frac{1}{2}$ "	3"

See pages 82-83 for replacement bearing item numbers.



84-106
84-126



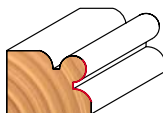
33

Corner Beading Bits

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

Application:

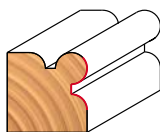
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.



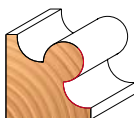
99-020
99-021

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-020	$1\frac{5}{16}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{5}{64}$ "	$\frac{1}{32}$ "	$\frac{5}{32}$ "	$\frac{1}{2}$ "	$2\frac{1}{2}$ "
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	$1\frac{3}{4}$ "	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{15}{64}$ "	$\frac{15}{32}$ "	$\frac{25}{64}$ "	$\frac{1}{2}$ "	$3\frac{3}{8}$ "
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 82-83 for replacement bearing item numbers.



99-023
99-024
99-025



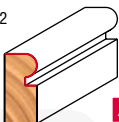
99-022



Traditional Beading Bits



80-102



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

Application:

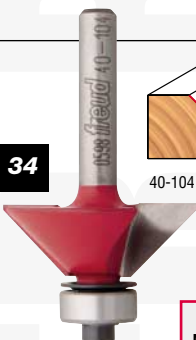
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.

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

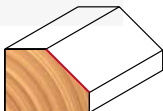
See pages 82-83 for replacement bearing item numbers.

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
40-094	7/8"	1/2"	1"	11 1/4°	1/2"	2 3/4"
40-098	1"	1/2"	1"	15°	1/2"	1"
40-100	2 3/32"	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 1/4"	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 3/8"
40-202	1 11/32"	1/2"	3/4"	30°	1/4"	2 1/4"
40-206	1 1 1/32"	1/2"	3/4"	30°	1/2"	2 3/4"

See pages 82-83 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"

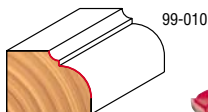
See pages 82-83 for replacement bearing item numbers.

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"

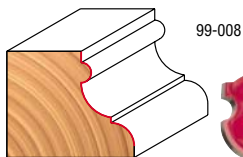
See pages 82-83 for replacement bearing item numbers.

Bold Classical Bit

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

Application:

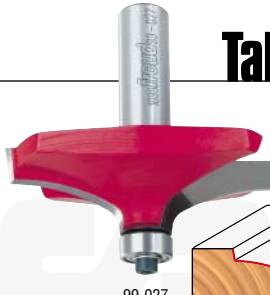
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.



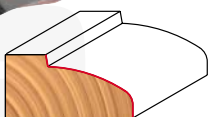
Item Number	Overall Dia.	Carbide Height	Large Radius	Small Radius 1	Small Radius 2	Shank Dia.	Overall Length
99-008	1¾"	1⅛"	13/32"	9/32"	⅛"	½"	3"

See pages 82-83 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:

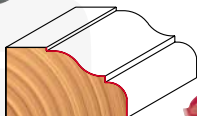
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as table-mounted portable routers.

Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-027	2 ¹⁹ / ₃₂ "	1/2"	2 ³ / ₃₂ "	1 ²⁵ / ₃₂ "	1 ³ / ₆₄ "	1/2"	2 ³ / ₈ "
99-450	2 1/2"	1/2"	2 ⁵ / ₃₂ "	3/8"	1 ⁵ / ₆₄ "	1/2"	2 ³ / ₄ "
99-452	2 ³ / ₈ "	1/2"	2 ⁵ / ₃₂ "	1 ³ / ₃₂ "	1 ¹ / ₆₄ "	1/2"	2 ³ / ₄ "

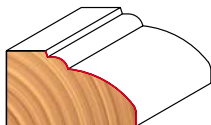
See pages 82-83 for replacement bearing item numbers.



99-450



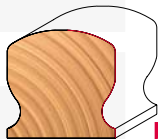
99-452



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.

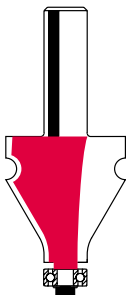
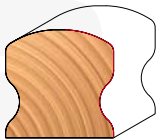
Item Number	Overall Dia.	Bearing Dia.	Carbide Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-442	1 ³ / ₁₆ "	5/8"	1 1/2"	1"	3/8"	1/2"	3 1/2"
99-444	1 ³ / ₁₆ "	5/8"	1 1/2"	1/2"	3/8"	1/2"	3 1/2"
99-446	1 ³ / ₈ "	1/2"	1 1/2"	1/8"	—	1/2"	3 1/4"

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

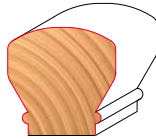
See pages 82-83 for replacement bearing item numbers.



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.

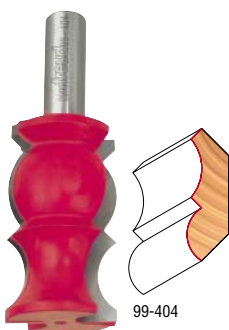


99-402

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.

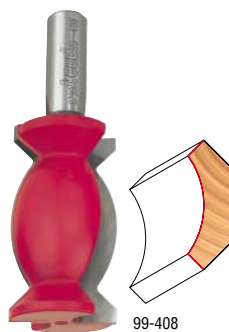
Item Number	Overall Dia.	Carbide Height	Large Radius	Small Radius	Angle	Shank Dia.	Overall Length
99-402	1 1/4"	2 1/4"	17/32"	7/32"	45°	1/2"	3 3/4"
99-404	1 1/4"	2 1/4"	43/64"	15/32"	45°	1/2"	3 3/4"
99-406	1 1/4"	2 1/4"	25/64"	17/32"	45°	1/2"	3 3/4"
99-408	1 1/4"	2 1/4"	1 1/4"	-	45°	1/2"	3 3/4"
99-410	1 1/4"	2 1/4"	3/16"	1/8"	10°	1/2"	3 3/4"



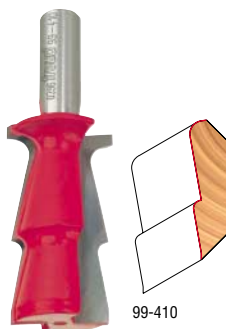
99-404



99-406

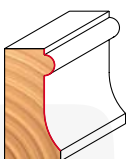


99-408



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.

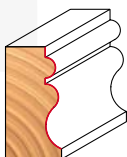
Application:

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

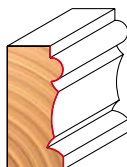
Item Number	Overall Dia.	Carbide Height	Minor Height	Large Radius	Small Radius	Shank Dia.	Overall Length
99-012	1 ⁵ / ₁₆ "	1 ³ / ₈ "	3 ³ / ₃₂ "	2 ⁵ / ₃₂ "	9 ³ / ₆₄ "	1 ¹ / ₂ "	3 ¹ / ₄ "
99-013	1 ⁵ / ₁₆ "	1 ³ / ₈ "	5 ³ / ₃₂ "	2 ¹ / ₆₄ "	9 ³ / ₆₄ "	1 ¹ / ₂ "	3 ¹ / ₄ "
99-014	1 ⁵ / ₁₆ "	1 ¹ / ₂ "	1 ¹ /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

See pages 82-83 for replacement bearing item numbers.

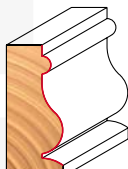
38



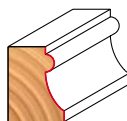
99-013



99-014



99-015



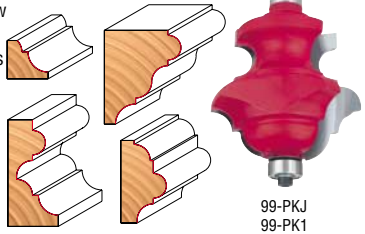
99-016

Multi-Profile Bits

- Thick carbide tips and a sturdy 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:

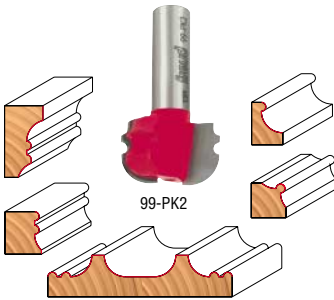
- Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on hand-held and table-mounted portable routers.



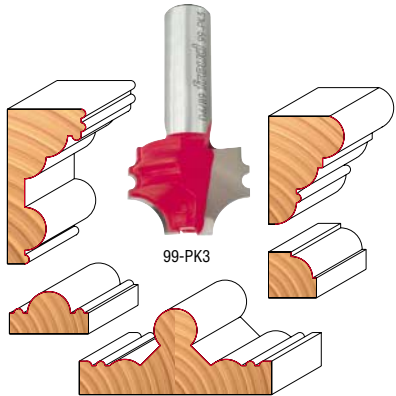
99-PKJ
99-PK1

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 1/2"	-	-	1 1/64"	7/32"	3/16"	1/8"	1/2"	3"
99-PK1	2 5/32"	-	-	1 59/64"	25/64"	5/16"	15/64"	1/2"	4"
99-PK2	1 1/4"	1 3/32"	5/64"	51/64"	3/8"	5/64"	-	1/2"	2 1/4"
99-PK3	1 1/4"	1 3/32"	5/64"	29/32"	3/8"	5/64"	-	1/2"	2 7/16"
99-PK7	2 53/64"	1 1/32"	3/32"	1 51/64"	1/4"	3/16"	-	1/2"	3 1/2"

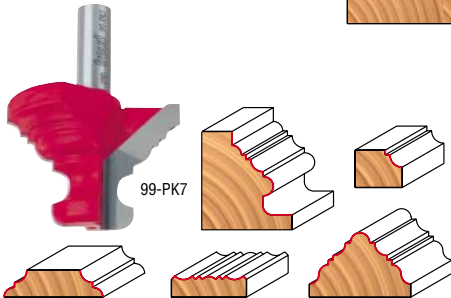
See pages 82-83 for replacement bearing item numbers.



99-PK2



99-PK3



99-PK7

Joinery Bits

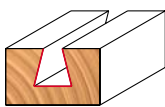
Freud's Joinery Bits make it possible for you to produce precision box joints, finger joints, dovetails, miter joints and more. Our router bits combine Freud's technical expertise and innovation, so you can create the same heirloom quality joints expected by fine furniture makers, cabinetmakers and hobbyists.

Dovetail Bits

- Provides smooth, intricate dovetail joints.
- Compatible with many popular dovetailing jigs.

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.



22-104



22-506

Item Number	Overall Dia.	Carbide Height	Angle	Shank Dia.	Overall Length
22-100	1/4"	5/16"	7 1/2°	1/4"	2"
22-101	5/16"	3/8"	9°	1/4"	1 1/8"
22-102	3/8"	3/8"	9°	1/4"	1 1/8"
22-103	3/8"	3/8"	14°	1/4"	2 1/2"
22-104	1/2"	1/2"	14°	1/4"	1 1/8"
22-105	5/8"	7/8"	7°	1/4"	2 1/8"
22-106	3/4"	7/8"	7°	1/4"	2 1/8"
22-119	1/4"	1/4"	8°	1/4"	2"
22-120	3/8"	1/2"	8°	1/4"	2 1/2"
22-121	7/16"	5/8"	8°	1/4"	2 3/8"
22-122	1/2"	13/16"	8°	1/4"	2 3/4"
22-123	3/16"	3/8"	8°	1/4"	1 1/8"
22-124	1/2"	1/2"	14°	1/4"	2 5/8"
22-125	1/2"	5/8"	10°	1/4"	2 3/8"
22-126	3/16"	3/8"	14°	1/4"	2"
22-128	3/4"	7/8"	14°	1/4"	2 3/8"
22-129	1/2"	13/32"	8°	1/4"	2 5/32"
22-107	1/4"	5/16"	7 1/2°	1/2"	2 5/8"
22-108	3/16"	3/8"	9°	1/2"	2 1/8"
22-110	3/8"	3/8"	9°	1/2"	2 1/4"
22-112	1/2"	1/2"	14°	1/2"	2 1/4"
22-113	5/8"	7/8"	7°	1/2"	2 5/8"
22-114	3/4"	7/8"	7°	1/2"	2 5/8"
22-115*	17/32"	25/32"	7°	1/2"	2 3/8"
22-130	1 1/16"	1"	8°	1/2"	3 3/8"
22-132	13/16"	1 1/4"	8°	1/2"	3 3/8"
22-134	3/4"	3/4"	14°	1/2"	3 3/8"

NEW

Top Bearing Dovetail

22-505	5/8"	7/8"	7°	1/4"	2 5/8"
22-506	3/4"	7/8"	7°	1/4"	2 5/8"
22-507	3/4"	7/8"	14°	1/4"	2 5/8"
22-508	3/16"	3/8"	14°	1/4"	2 3/16"

*New bit for use with Porter-Cable® Dovetail Jig #4212.

Butterfly Spline Bit

- Offers a sturdy, decorative method of joining wood.
- Use a 14° dovetail bit to produce the mating grooves.

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.



24-106



Item Number	Overall Dia.	Small Dia.	Carbide Height	Angle	Shank Dia.	Overall Length
24-106	1 1/8"	1 1/16"	1 3/4"	14°	1/2"	3 3/4"