

- Carbide And Carbide Tipped For Long Life
- Precision Ground For Fast Accurate Cuts
- Choice Of 1/4" And 1/2" Shanks
- Superior Precision, Fastest Feed And Long Life
- Cuts All Composition Material, Plywood, Hardwood And Soft Wood

O FLUTE) WITH DRILL POINTS

No. of

1" 2" 2"

Shank

D

1/4"

1/4"

1/2"

Overall

Length

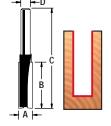
2-1/4'

3'

3-3/4'

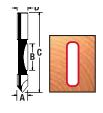






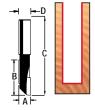
Straight Bits-Two Flute

- Hook angle design for precise, clean cuts. Relief designed for fast plunging.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



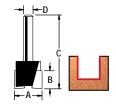
Pilot Panel Bits

- Self-starting drill-through point with pilot acts as a guide for template work.
- Use on portable routers for template work.



Stagger Bits-One Flute

- Combines balance of double fluted bit with speed and versatility of single flute bit
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



Mortising Bits

- Deep center gullet provides maximum material removal.
- · Use with templates for setting butt hinges.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.

STAGGE	R BITS-	ONE FLU	TE (SOL	.ID CARBIDE)
	Overall	Carbide	Overall	Shank

Carbide

Height

B

3/4"

1-1/4'

Catalog	Overall Dia.	Carbide Height	Overall Length	Shank Dia.
Number	A	B	C	Dia.
48-23-8075	1/2"	2-1/8"	4"	1/2"

PILOT PANEL BITS (ONE AND TV

Overall

Α

1/4'

3/8"

1/2'

MORTISING BITS

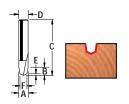
Catalog

Number

48-23-6001

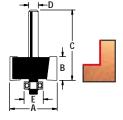
48-23-6021

48-23-6041



"V" Veining Bits

- Solid micrograin carbide extends cutting life.
- Creates double "V" groove to accent furniture, cabinet doors, and millwork.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



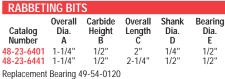
Rabbeting Bits

- Creates smooth, precise cuts on both surfaces of rabbet.
- Bits cut 3/8" rabbet.
- Use on hand-held and table-mounted routers.

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D
48-23-6101	1/2"	1/2"	2"	1/4"
48-23-6105	5/8"	1/2"	2"	1/4"
48-23-6110	3/4"	1/2"	2"	1/4"
48-23-6115	1-1/4"	1/2"	2-1/8"	1/4"
48-23-6120	1-1/4"	1/2"	2-3/8"	1/2"

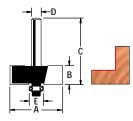


"V" VEIN	NING BI	TS (SOLI	D CARB	IDE)		
Catalog Number 48-23-7295	Overall Dia. A 1/4"	Carbide Height B 7/32"	Overall Length C 1-1/2"	Shank Dia. D 1/4"	Minor Height E 3/64"	Small Dia. F 3/16"





MULTI-R	ABBETI	ING BITS			
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Rabbeting Depths E
48-23-6125 48-23-6130		1/2" 1/2"	2-1/4" 2-1/4"	1/4" 1/2"	Flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2" Flush, 1/8", 1/4", 5/16", 3/8", 7/16", 1/2"
Replacement		Set Kit 49-5	4-0130		,,,,,



Multi-Rabbeting Bits

- Bearings included to cut rabbets of varying depths.
- Creates smooth, precise cuts on both surfaces of rabbet.
- Can be used as flush trimming bit.
- Wrench included for bearing changes.
- Use on hand-held and table-mounted routers



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HEAVY-DUTY ROUTER BITS



ROUND NOSE BITS Overall Dia. Carbide Overall Length C Shank Dia. Catalog Height Radius Number D 1/8" 48-23-7600 1/4" 1/4" 48-23-7605 3/8" 3/8" 1-13/16" 3/16" 48-23-7610 1/2' 3/8 1-13/16" 1/4' 3/8" 2-13/16" 1/4" 48-23-7640 1/2" 1-1/8' 1/2" 48-23-7650 1-1/4" 2-13/16" 1/2" 1/2

V-GROO	VING BI	TS			
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D"	Angle AH
48-23-7310 48-23-7315 48-23-7320	3/8" 1/2" 3/4"	5/16" 7/16" 1/2"	1-3/4" 1-3/4" 2-1/4"	1/4" 1/4" 1/2"	90° 90° 90°

CHAMFE	R BITS						
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Angle AH	
48-23-7200 48-23-7240	1-1/2" 1-3/4"	1/2" 5/8"	2-3/16" 2-9/16"	1/4" 1/2"	1/2" 1/2"	45° 45°	
Replacement	Bearing 4	9-54-0120)				

ROUNDI	NG OVE	R BITS				
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius r
48-23-7400 48-23-7405 48-23-7410 48-23-7420 48-23-7430 48-23-7435 48-23-7440 48-23-7445	5/8" 3/4" 7/8" 1" 1-1/8" 1-1/4" 1-1/2" 1" 1-1/4" 1-1/2"	1/2" 1/2" 1/2" 1/2" 1/2" 5/8" 3/4" 1/2" 5/8" 3/4"	2-3/16" 2-3/16" 2-3/16" 2-3/16" 2-3/16" 2-1/2" 2-1/2" 2-5/8" 2-3/4"	1/4" 1/4" 1/4" 1/4" 1/4" 1/4" 1/4" 1/2" 1/2"	1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	1/16" 1/8" 3/16" 1/4" 5/16" 3/8" 1/2" 1/4" 3/8" 1/2"
48-23-7455 48-23-7460 Replacement	1-3/4" 2" Bearing 4	7/8" 1" 9-54-0120	2-7/8" 2-7/8"	1/2" 1/2"	1/2" 1/2"	5/8" 3/4"

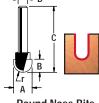
HALF RO	UND BI	TS			
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Radius r
48-23-7185 48-23-7190	1" 1-29/64"	29/32" 1-11/64"	2-9/16" 2-13/16"	1/2" 1/2"	1/4" 3/8"

BEADING	3 RH 2					
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius r
48-23-7510	7/8"	1/2"	2-3/16"	1/4"	3/8"	3/16"
48-23-7520	1"	1/2"	2-3/16"	1/4"	3/8"	1/4"
48-23-7525	1-1/8"	1/2"	2-3/16"	1/4"	3/8"	5/16"
48-23-7530	1-1/4"	5/8"	2-3/16"	1/4"	3/8"	3/8"
48-23-7535	1-1/2"	3/4"	2-1/2"	1/4"	3/8"	1/2"
Replacement	Bearing 4	9-54-0110	ı			

TRADI	TIONAL B	EADING	BITS			
Catalog Number		Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius r
48-23-75		11/16"	_ 0,.0	1/4"	1/2"	3/16"
Replacem	ent Bearing 4	19-54-0120)			

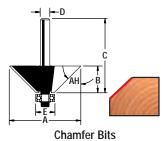
	Overall	Carbide	Overall	Shank	Minor	
Catalog Number	Dia. A	Height B	Length C	Dia. D	Height E	Radius r
48-23-7730	1-5/32"	5/8"	2-3/16"	1/4"	7/32"	1/8"
Replacement	Bearing 4	9-54-0110)			

CLASSICAL COVE AND BEAD BITS								
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Large Radius r	Small Radius r1	
48-23-7735	1-1/2"	5/8"	2-1/4"	1/4"	7/32"	1/4"	5/32"	
Replacement	Bearing 4	19-54-0120						

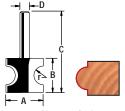


Round Nose Bits

- Provides a precise, clean radius groove.
- · Creates several styles of fluted millwork.
- · Makes signs or cutting decorative designs in cabinet doors
- · Use on CNC, other automatic routers, hand-held and table-mounted routers.

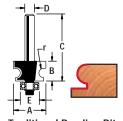


- · Creates a uniform chamfer on the edge of any
- · Adjusts chamfer size by changing the height
- · Use on hand-held and table-mounted routers.



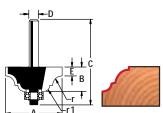
Half Round Bits

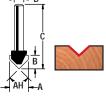
- · Creates fully rounded edge on dimensional
- · Creates half-round profile on furniture and mouldings.
- · Use on CNC, other automatic routers, hand-held and table-mounted routers.



Traditional Beading Bits

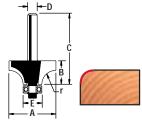
- Forms a single bead with a square shoulder. · Matches mouldings in historic homes.
- Use on hand-held and table-mounted routers.





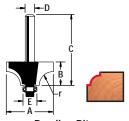
V-Grooving Bits

- Cut deep or shallow "V" grooves.
- Makes signs and adding decorative accents to furniture and plaques.
- · Use on CNC, other automatic routers, hand-held and table-mounted routers.



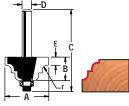
Rounding Over Bits

- Softens furniture edges with smooth round corner.
- · Shear angle provides a clean, smooth cut.
- · Use on hand-held and table-mounted routers.



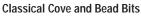
Beading Bits

- Adds bead profile to furniture and millwork.
- Use on hand-held and table-mounted routers.



Cove and Bead Bits

- · Creates sophisticated cove and bead design.
- Forms decorative mouldings.
- . Use on CNC, other automatic routers, hand-held and table-mounted routers.



- · Forms decorative edge on tabletops, plaques, and cabinetry.
- · Use on hand-held and table-mounted routers.





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Bearing

Dia.

F

3/8"

3/8'

Radius

5/32"

1/4"

1/4"





COVE BITS Overall Carbide Overall Shank Bearing Catalog Height Length Radius Number Α D Ε 48-23-7700 7/8' 2-3/16 3/8"† 1/4" 48-23-7710 1-1/4" 1/2' 1/4" 1/2"†† 3/8"† 3/8" 2-3/16 1-3/8" 2-3/16 48-23-7720 5/8" 1/2" 48-23-7725 1-3/8" 5/8" 2-1/2" 1/2" 3/8"† 1/2

Overall

2-3/16

2-3/8

Dia.

D

1/4"

Replacement Bearing †49-54-0110 and ††49-54-0120











Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	Radius
48-23-6135	1-1/2"	5/8"	2-3/16"	1/4"	3/8"	1/4"
Renlacement	Rearing /	19-54-0110)			





	Overall	Carbide	Overall	Shank	Minor	
Catalog	Dia.	Height	Length	Dia.	Height	Radius
Number	Α	В	C	D	E	r
48-23-6140	1-3/8"	9/16"	2-5/16"	1/2"	13/64"	11/64"
Replacement	Bearing 4	19-54-0110)			



THEFT	M/IN	CCL	OTTIN	CC	TTTT	10
THREE '	עוועע	G SL	ULLIN	וט טו	JIIEF	

Catalog Number	Overall Dia. A	Carbide Height B	Bore Dia. C
48-23-8101	2"	1/16"	5/16"
48-23-8121	2"	3/32"	5/16"
48-23-8131	2"	1/8"	5/16"
48-23-8135	2"	5/32"	5/16"
48-23-8140	2"	3/16"	5/16"
48-23-8145	2"	1/4"	5/16"





1/4'

	Arbor	Arbor	Overall 0	Shank	Stud
Catalog	Dia.	Height	Length	Dia.	Height
Number	Α	В	C	D	E
48-23-8045	5/16"	25/64"	2-3/8"	1/4"	1"
48-23-8051	5/16"	25/64"	2-3/8"	1/2"	1"



48-23-7235

FLUSH TRIM BIT (SOLID CARBIDE) Overall Carbide Overall Shank Catalog Height Length Number D



3/8" FLUSH TRIM BITS (TWO AND THREE FLUTE)

Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Bearing Dia. E	No. of Flutes
48-23-6510	3/8"	1"	2-13/16"	1/4"	3/8"†	2"
48-23-6515	3/8"	1/2"	2-5/16"	1/4"	3/8"†	2"
48-23-6521	1/2"	1"	2-13/16"	1/4"	1/2"††	2"
48-23-6541	1/2"	1"	3-1/4"	1/2"	1/2"††	2"
48-23-6545	1/2"	1-1/2"	3-5/8"	1/2"	1/2"††	2"
48-23-6550	1/2"	1"	2-13/16"	1/4"	1/2"††	3"
48-23-6555	1/2"	1"	3_1/4"	1/2"	1/2"++	3"

1-1/2"

1/4"





TOP BE	TOP BEARING FLUSH TRIM BITS							
Catalog	Overall Dia.	Carbide Height	Overall Length					

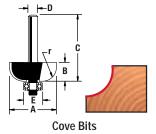
	Overall	Carbide	Overall	Shank	Bearing
Catalog	Dia.	Height	Length	Dia.	Dia.
Number	Α	В	C	D	Ε
48-23-6560	1/2"	1"	2-5/8"	1/4"	1/2"

Replacement Bearing 49-54-0115

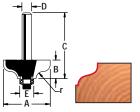


BEVEL TRIM BITS Carbide Bearing Dia. **Overall Overall** Catalog Height Dia. Length C Dia. Number D E 7° Solid Carbide 15° 1-1/2 3/16' 48-23-7545 19/32" 9/32" 1-7/8

Replacement Bearing 49-54-0120

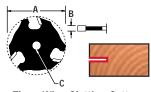


- · Creates a smooth, classic cove profile.
- · Upward shear angle offers efficient, smooth cut.
- Use on hand-held and table-mounted routers.



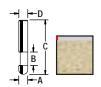
Ogee Fillet Bits

- · Profile includes small fillet at bottom of ogee
- · Use on hand-held and table-mounted routers.



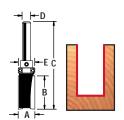
Three Wing Slotting Cutters

- · Creates precision slot for T-mouldings and spline joints.
- For use with Milwaukee Slotting Cutter Arbor 48-23-8045 for 1/4" shanks and 48-23-8051 for 1/2" shanks.
- Use Milwaukee Slotting Cutter 48-23-8135 for biscuit joining.
- · Use on hand-held and table-mounted routers.



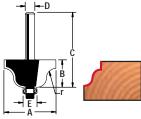
Flush Trim Bit (Solid Carbide)

- · Made from solid micrograin carbide for extended cutting life.
- · Cuts all plastic laminates quickly and cleanly.
- · Self-piloting feature eliminates need for bearing.
- Use on portable routers and laminate trimmers.



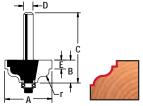
Top Bearing Flush Trim Bits

- · Top-mounted bearings.
- · Ideal for lettering or other template work.
- · Use on hand-held and table-mounted routers.



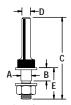
Roman Ogee Bits

- Profile adds look of elegance to any project.
- · Change the profile by adjusting height of the bit.
- Use on hand-held and table-mounted routers.



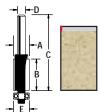
Double Fillet Ogee Bits

- · Creates attractive edge profile to accent furniture, cabinets and millwork.
- · Use on hand-held and table-mounted routers.



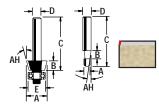
Slotting Cutter Arbor

- · Creates smooth, precise, accurate slots.
- · For superior performance, use with Milwaukee slotting cutters.
- Compatible with any slotting cutter with a 5/16" arbor diameter.
- · Use on hand-held and table-mounted routers.



Flush Trim Bits (Two and Three Flute)

- Trims cabinet laminate as well as pattern work.
- · Two flute design for faster cutting and three flute design for superior surface finish.
- · Use on hand-held and table-mounted routers.



Bevel Trim Bits

- 48-23-7195 is made from solid micrograin carbide for extended cutting life.
- Bits trim and produce bevel angles to give finished look to all plastic laminates.
- · Use on portable routers and laminate trimmers.





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HEAVY-DUTY ROUTER BITS

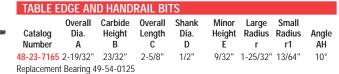


DOVETA	IL BITS				
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Angle AH
48-23-7740	3/8"	3/8"	1-7/8"	1/4"	9°
48-23-7745	1/2"	1/2"	1-7/8"	1/4"	14°
48-23-7750	1/2"	1/2"	2-1/4"	1/2"	14°
48-23-7755	1/2"	13/16"	2-3/4"	1/4"	8°

KEY HOL	F RH2					
Catalog Number 48-23-7237	Overall Dia. A 25/64"	Carbide Height B 7/16"	Overall Length C 1-5/8"	Shank Dia. D	Minor Height E 1/4"	Small Dia. F 3/16"

UP SPIR				
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D
48-23-8060 48-23-8065	1/8" 1/4"	1/2" 1"	2" 2-1/2"	1/4" 1/4"
48-23-8065	1/4"	1-1/4"	3"	1/4"

DOWN SPIRAL BITS-TWO FLUTE							
Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D			
48-23-8055	1/4"	1"	2-1/2"	1/4"			

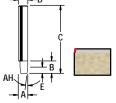




FINGER PULL DOOR LIP BITS								
	Overall	Carbide	Overall	Shank	Small			
Catalog	Dia.	Height	Length	Dia.	Dia.	Radius	Angle	
Number	Α	В	C	D	Ε	r	AH	
48-23-7760	2"	1-1/4"	2-3/4"	1/2"	3/4"	1/4"	25°	

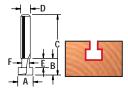
MATCHED RAIL AND STILE BIT SETS									
	Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Small Dia. F	Radius r	
	48-23-8080 48-23-8085			3" 3"	1/2" 1/2"		1-5/16" 1-19/32"		
	Replacement	Bearing 4	9-54-0125						

RAISED PANEL BITS									
P	Catalog Number	Overall Dia. A	Carbide Height B	Overall Length C	Shank Dia. D	Minor Height E	Small Dia. F	Large Radius r	Small Radius r1
	48-23-6445	2-3/4"	5/8"	2-1/2"	1/2"	7/32"	N/A	35/64"	1/8"
	48-23-6450	3-1/2"	1/2"	2-1/2"	1/2"	5/32"	1-1/4"	N/A	N/A
	48-23-6455	3-1/2"	5/8"	2-1/2"	1/2"	5/64"	N/A	1-1/2"	N/A
	48-23-6460	3-1/2"	5/8"	2-1/2"	1/2"	7/32"	N/A	25/32"	5/32"
	Panlacament	Rearing /	0-5/-0120						



Flush and Bevel Trim Bits (Solid Cabide)

- · Designed to trim all plastic laminates with straight edge or bevel with guide system.
- · Use on portable routers and laminate trimmers



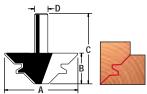
Key Hole Bits

- Creates key holes for hanging plaques and shelves
- · Features chip breakers to reduce burning.
- · Use on CNC, other automatic routers, handheld and table-mounted routers.



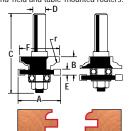
Down Spiral Bits-Two Flute

- · Top surface chip-free routing where chip removal is not a problem.
- Through cutting of material with table-mounted router or a pin router.
- Use on CNC, other automatic routers, pin routers, hand-held and table-mounted routers



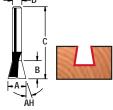
Lock Miter Bits

- · Creates locking miter joints.
- Run one board vertically and run the piece to be joined horizontally.
- · Use on CNC, other automatic routers, hand-held and table-mounted routers



Matched Rail and Stile Bit Sets

- · Create raised panel doors when combined with a Milwaukee Raised Panel Bit
- · Shims included to ensure a perfect fit
- · Use on table-mounted routers.



Dovetail Bits

- · Creates smooth, intricate dovetail joints.
- · Compatible with many popular dovetailing jigs.
- Use on CNC, other automatic routers, hand-held and table-mounted routers.



Up Spiral Bits-Two Flute

- · Effective chip removal with a cut unmatched by standard straight bits.
- · Flutes provide chip removal required in
- production settings.

 Ideal for grooves, dadoes, mortises and routing deep blind holes.
- Ideal for use on CNC, other automatic routers, hand-held and table-mounted routers.

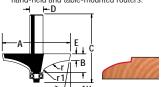
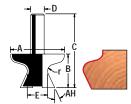


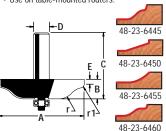
Table Edge and Handrail Bit

- · Creates sturdy, attractive handrails for staircases
- · Use on CNC, other automatic routers, handheld and table-mounted routers.



Finger Pull Door Lip Bits

- · Creates finger pull grooves.
- · Use on table-mounted routers.



Raised Panel Bits

- · Creates splinter-free, smooth finish.
- · For raised panels on doors and paneling. • Use 1/2" height for 5/8" stock. Use 5/8" height for 3/4" stock.
- · For decorative tops, plaques, and moulding.
- · Use on table-mounted routers.