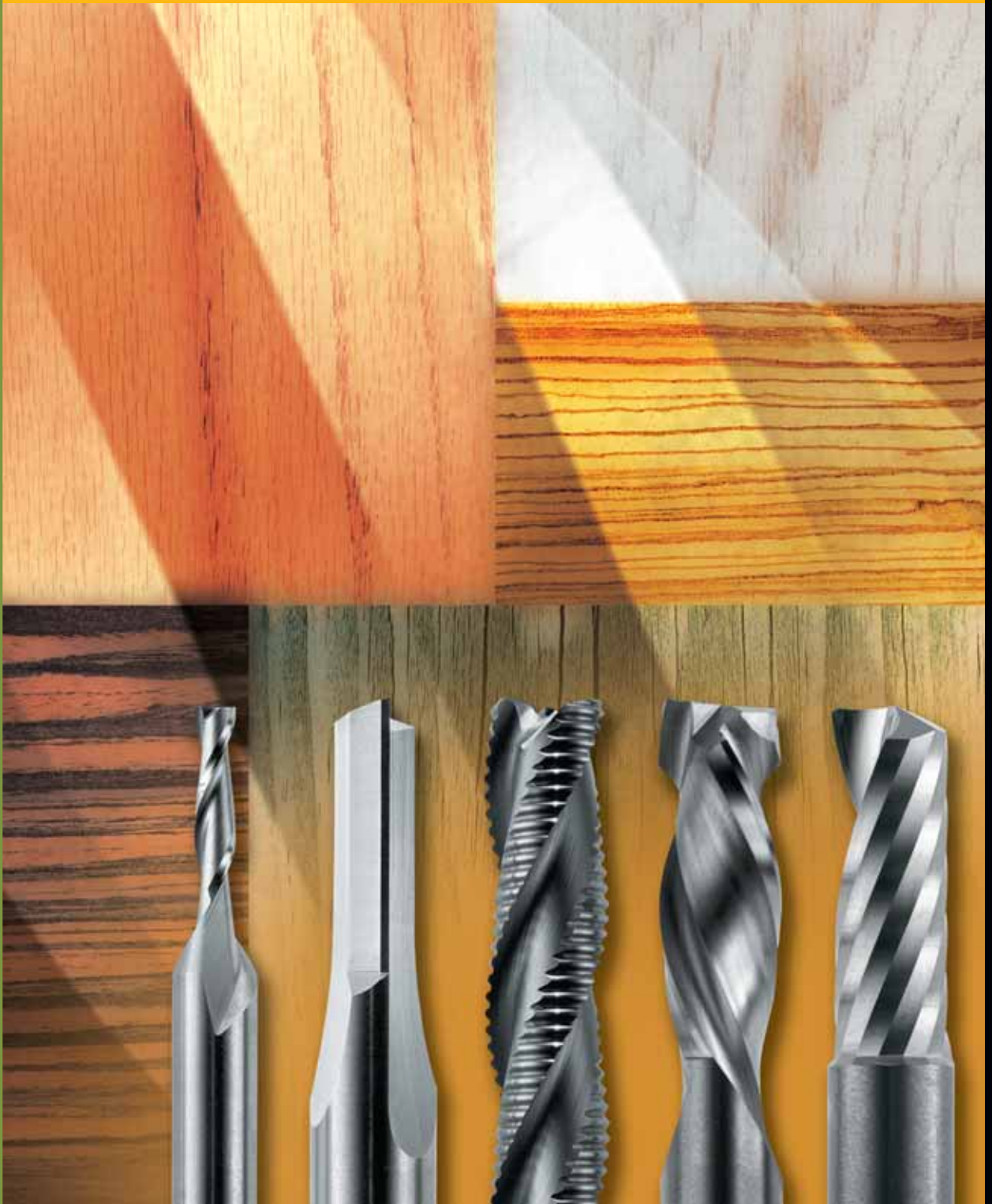


ROUTER BITS FOR GENERAL WOODWORKING



ROBB  JACK
CORPORATION
Manufacturers of Premium Rotary Cutting Tools

The **FINEST** **TOOLS** for **CNC Routers**

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RobbJack routers and cutters set the industry standard for close tolerances and consistent performance. This quality is achieved by a continuing dedication of resources to research and development. In fact, we've been a leader in machine development and manufacturing techniques, for over 40 years . . .



Recommended Speed & Feeds

Material	RPM (1/4")	Feed (Inches per Minute)
Wood		
Hardwoods	18000	180-250
Softwoods	18000	180-250
MDF	18000	150-250
Laminated Materials	18000	150-250
Composites, Plastics, Others		
Solid Surface	15300	70-130
Fiberglass	15300	80-150
Phenolic	15300	80-150
Soft Aluminum	18000	90-120
Aluminum (Aircraft Grades)	18000	180-230
Copper	9200	45-60
Foam	18000	150-300
Soft Plastics	18000	180-250
Hard Plastics	18000	150-200

General Guidelines

- Select the shortest flute length possible for the application. Shorter flute length router tools offer better stability and increased feed rates.
- Select the largest diameter tool for the job. Increasing diameter by 10% provides 25% more strength.
- Adjust RPM and feed rate to reduce vibration. Vibration will cause poor finish and chip tools. Too slow a feed rate can also cause vibration and poor tool life.
- Regular cleaning of tool holders and collets help ensure the tool's performance and life.
- Securing the part as rigidly as possible will improve finishes and tool life.

NEW
S E R I E S

HB-401
Herringbone
Routers
2+2 Flutes

HB-402
Herringbone
Routers
2+2 Flutes

Double Flute
Compression
Routers for MDF
and other wood
composites
with laminates top
and bottom

Extra Length
Compression
Routers

HB-404
Herringbone
Routers
2+2 Flutes

Minimum Upshear, Maximum Quality Compression Style Router Bits

RobbJack Corporation introduces an addition to their standard line of compression style router bits. **The redesigned HB Series incorporates a minimal length upshear** for cabinetmakers that need the proper tool for mortising and cutting dados in cabinet panels *without sacrificing the surface quality*. These tools compliment RobbJack's original design of compression style router bits for high-performance machining of many different materials.

HB-401 Herringbone Routers/2+2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Upshear Length	Overall Length	List Price
HB-401-08	1/4"	1/4"	3/4"	3/16"	2-1/2"	\$49.20
HB-401-12	3/8"	3/8"	1"	1/4"	2-1/2"	\$58.90
HB-401-16	1/2"	1/2"	1-1/8"	1/4"	3"	\$82.90
HB-401-20	5/8"	5/8"	1-5/16"	5/16"	4"	\$131.00
HB-401-24	3/4"	3/4"	1-5/16"	3/8"	4"	\$161.60

HB-402 Herringbone Routers/2+2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Upshear Length	Overall Length	List Price
HB-402-08	1/4"	1/4"	3/4"	1/2"	2-1/2"	\$47.80
HB-402-12	3/8"	3/8"	1"	5/8"	2-1/2"	\$58.90
HB-402-16	1/2"	1/2"	1-1/8"	9/16"	3"	\$82.90
HB-402-20	5/8"	5/8"	1-5/16"	3/4"	4"	\$131.00
HB-402-24	3/4"	3/4"	1-5/16"	3/4"	4"	\$161.60

HB-404 Herringbone Routers/2+2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Upshear Length	Overall Length	List Price
HB-404-16	1/2"	1/2"	1-5/16"	3/4"	3-1/2"	\$90.90

Spiral Routers for CNC Production

Upshear and Downshear Spiral Routers for superior material removal and optimum finishes in natural woods and wood composites

WU1-201
Stub Length
Upshear
2 Flutes

WD1-201
Stub Length
Downshear
2 Flutes

WU1-203
Regular Length
Upshear
2 Flutes

WD1-203
Regular Length
Downshear
2 Flutes

WU1-201 Stub Length Upshear/2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
WU1-201-06	3/16"	3/16"	3/8"	2"	\$13.90
WU1-201-08	1/4"	1/4"	1/2"	2"	\$17.55
WU1-201-12	3/8"	3/8"	5/8"	2"	\$29.20
WU1-201-16	1/2"	1/2"	1-1/4"	3-1/4"	\$59.40
WU1-201-20	5/8"	5/8"	1-1/2"	3-1/2"	\$86.85
WU1-201-24	3/4"	3/4"	1-1/2"	4"	\$138.40

WD1-201 Stub Length Downshear/2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
WD1-201-06	3/16"	3/16"	3/8"	2"	\$13.90
WD1-201-08	1/4"	1/4"	1/2"	2"	\$17.55
WD1-201-12	3/8"	3/8"	5/8"	2"	\$29.20
WD1-201-16	1/2"	1/2"	1-1/4"	3-1/4"	\$59.40
WD1-201-20	5/8"	5/8"	1-1/2"	3 1/2"	\$86.85
WD1-201-24	3/4"	3/4"	1-1/2"	4"	\$138.40

WU1-203 Regular Length Upshear/2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
WU1-203-04	1/8"	1/8"	1/2"	1-1/2"	\$13.25
WU1-203-06	3/16"	3/16"	5/8"	2"	\$18.70
WU1-203-08	1/4"	1/4"	3/4"	2-1/2"	\$23.60
WU1-203-12	3/8"	3/8"	1"	2-1/2"	\$34.15
WU1-203-16	1/2"	1/2"	1-1/2"	3-1/2"	\$70.25
WU1-203-16mm	16mm	16mm	55mm	118mm	\$104.60
WU1-203-20	5/8"	5/8"	2"	4-5/8"	\$104.60
WU1-203-24	3/4"	3/4"	2-3/16" (55mm)	5-1/4"	\$156.80

WD1-203 Regular Length Downshear/2 Flutes

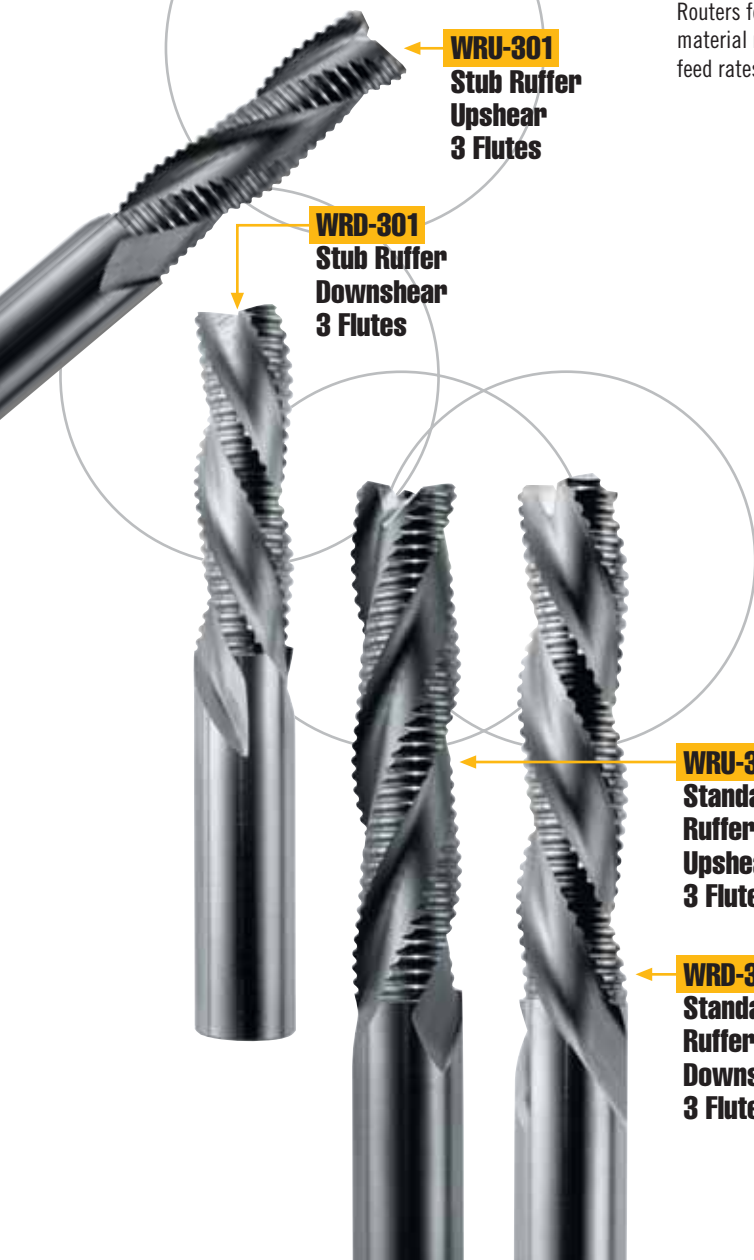
Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
WD1-203-04	1/8"	1/8"	1/2"	1-1/2"	\$13.25
WD1-203-06	3/16"	3/16"	5/8"	2"	\$18.70
WD1-203-08	1/4"	1/4"	3/4"	2-1/2"	\$23.60
WD1-203-12	3/8"	3/8"	1"	2-1/2"	\$34.15
WD1-203-16	1/2"	1/2"	1-1/2"	3-1/2"	\$70.25
WD1-203-16mm	16mm	16mm	55mm	118mm	\$104.60
WD1-203-20	5/8"	5/8"	2"	4-5/8"	\$104.60
WD1-203-24	3/4"	3/4"	2-3/16" (55mm)	5-1/4"	\$156.80

Extra Cutting Length Finish Spiral Routers



WTL-303
Regular Length
Downshear
2 Flutes

Spiral Routers for Rough Cutting



WRU-301
Stub Ruffer
Upshear
3 Flutes

WRD-301
Stub Ruffer
Downshear
3 Flutes

WRU-303
Standard
Ruffer
Upshear
3 Flutes

WRD-303
Standard
Ruffer
Downshear
3 Flutes

Extra Long Length Routers for superior finish in most materials

WTL-303 Extra Long Length Upshear/3 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
WTL-303-04	1/8"	1/8"	1"	3"	\$50.55
WTL-303-06	3/16"	3/16"	1-1/8"	3"	\$52.45
WTL-303-08	1/4"	1/4"	1-1/4"	3-1/8"	\$58.60
WTL-303-10	5/16"	5/16"	1-3/8"	3-1/8"	\$62.05
WTL-303-12	3/8"	3/8"	1-1/2"	3-1/4"	\$78.50
WTL-303-16	1/2"	1/2"	2"	4"	\$108.95
WTL-303-20	5/8"	5/8"	2-1/2"	4-5/8"	\$152.20
WTL-303-24	3/4"	3/4"	3"	5-1/4"	\$215.05

Upshear and Downshear Roughing Routers for superior material removal at feed rates to 1500IPM

WRU-301 Stub Ruffer Upshear/3 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
WRU-301-16	1/2"	1/2"	1-1/2"	3-1/2"	\$90.05
WRU-301-20	5/8"	5/8"	2-3/16" (55mm)	4-5/8"	\$130.45
WRU-301-24	3/4"	3/4"	2-3/16" (55mm)	5-1/4"	\$174.10

WRD-301 Stub Ruffer Downshear/3 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
WRD-301-16	1/2"	1/2"	1-1/2"	3-1/2"	\$90.05
WRD-301-20	5/8"	5/8"	2-3/16" (55mm)	4-5/8"	\$130.45
WRD-301-24	3/4"	3/4"	2-3/16" (55mm)	5-1/4"	\$174.10

WRU-303 Standard Ruffer Upshear/3 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
WRU-303-16	1/2"	1/2"	2-3/16" (55mm)	4"	\$102.05
WRU-303-16mm	16mm	16mm	55mm	118mm	\$130.45
WRU-303-20	5/8"	5/8"	2-1/2"	4-5/8"	\$144.65
WRU-303-24	3/4"	3/4"	2-1/2"	5-1/4"	\$190.50

WRD-303 Standard Ruffer Downshear/3 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
WRD-303-16	1/2"	1/2"	2-3/16" (55mm)	4"	\$102.05
WRD-303-16mm	16mm	16mm	55mm	118mm	\$130.45
WRD-303-20	5/8"	5/8"	2-1/2"	4-5/8"	\$144.65
WRD-303-24	3/4"	3/4"	2-1/2"	5-1/4"	\$190.50

Spiral Routers for Signmaking and Engraving



C8-201
Stub Length
Upshear
2 Flutes

CD8-201
Stub Length
Downshear
2 Flutes

Upshear and
Downshear 2 Flute
Spiral Routers for
Signmakers and
Engravers

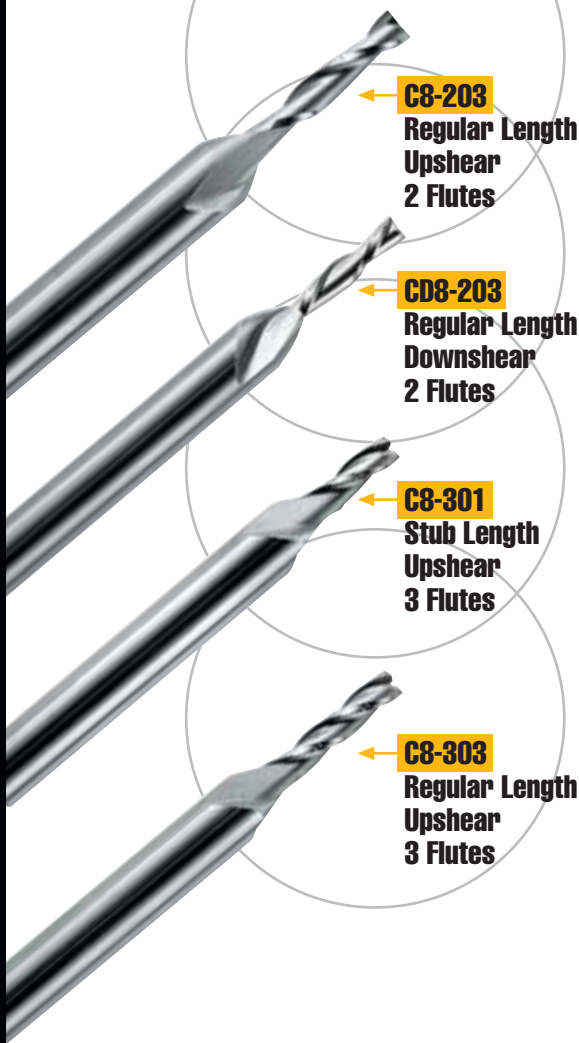
C8-201 Stub Length Upshear/2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
C8-201-04	1/8"	1/4"	1/4"	2"	\$18.45
C8-201-06	3/16"	1/4"	3/8"	2"	\$18.45
C8-201-08	1/4"	1/4"	1/2"	2"	\$18.45

CD8-201 Stub Length Downshear/2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
CD8-201-04	1/8"	1/4"	1/4"	2"	\$18.45
CD8-201-06	3/16"	1/4"	3/8"	2"	\$18.45
CD8-201-08	1/4"	1/4"	1/2"	2"	\$18.45

Spiral Routers for CNC Production



C8-203
Regular Length
Upshear
2 Flutes

CD8-203
Regular Length
Downshear
2 Flutes

C8-301
Stub Length
Upshear
3 Flutes

C8-303
Regular Length
Upshear
3 Flutes

Upshear and
Downshear 3 Flute
Spiral Routers for
Signmakers and
Engravers

C8-203 Regular Length Upshear/2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
CD-203-04	1/8"	1/4"	1/2"	2-1/2"	\$25.00
CD-203-06	3/16"	1/4"	5/8"	2-1/2"	\$25.00
CD-203-08	1/4"	1/4"	3/4"	2-1/2"	\$25.00

CD8-203 Regular Length Downshear/2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
CD8-203-04	1/8"	1/4"	1/2"	2-1/2"	\$25.00
CD8-203-06	3/16"	1/4"	5/8"	2-1/2"	\$25.00
CD8-203-08	1/4"	1/4"	3/4"	2-1/2"	\$25.00

C8-301 Stub Length Upshear/3 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
C8-301-04	1/8"	1/4"	1/4"	2"	\$18.45
C8-301-06	3/16"	1/4"	3/8"	2"	\$18.45
C8-301-08	1/4"	1/4"	1/2"	2"	\$18.45

C8-303 Regular Length Upshear/3 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
C8-303-04	1/8"	1/4"	1/2"	2-1/2"	\$25.00
C8-303-06	3/16"	1/4"	5/8"	2-1/2"	\$25.00
C8-303-08	1/4"	1/4"	3/4"	2-1/2"	\$25.00

Straight Routers for Plexiglass and Stacked Material Applications

Straight Flute Routers for superior material removal in plexiglass and stacked material applications

GTS-201
Straight
Routers
2 Flutes

GTS-201 2 Flutes

Tool Number	Cutting Diameter	Shank Diameter	Cutting Length	Overall Length	List Price
GTS-201-04	1/8"	1/4"	1/2"	2"	\$23.60
GTS-201-08	1/4"	1/4"	3/4"	2-1/2"	\$23.60
GTS-201-12	3/8"	3/8"	7/8"	2-1/2"	\$40.80
GTS-201-16	1/2"	1/2"	1"	3"	\$48.35

Spiral Routers for Plastics and Acrylics

Spiral Flute Routers for superior material removal and optimum finishes in acrylics and plastics

PM Series
Tuffy Grade
Carbide
Single Flute

NEW
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PM Series Tuffy Grade Carbide/Single Flute

Tool Number	Cutting Diameter	Cutting Length	Shank Diameter	Overall Length	List Price
Up Shear					
PM-104-04	1/8"	1/2"	1/8"	2"	\$17.45
PM-108-04	1/8"	1/2"	1/4"	2"	\$20.85
PM-106-06	3/16"	5/8"	3/16"	2"	\$28.50
PM-108-06	3/16"	5/8"	1/4"	2"	\$28.50
PM-108-06L	3/16"	1-1/4"	1/4"	3"	\$41.15
PM-108-08	1/4"	3/4"	1/4"	2"	\$28.50
PM-108-08L	1/4"	1-1/2"	1/4"	3"	\$41.00
PM-112-12	3/8"	1-1/4"	3/8"	3"	\$46.70
PM-116-16	1/2"	1-1/2"	1/2"	4"	\$61.80
Down Shear					
PMD-108-04	1/8"	1/2"	1/4"	2"	\$27.70
PMD-108-06	3/16"	5/8"	1/4"	2"	\$27.70
PMD-108-08	1/4"	3/4"	1/4"	2"	\$27.70

PCD Precision Tooling for High Production

PCD
Straight
Flute
Routers

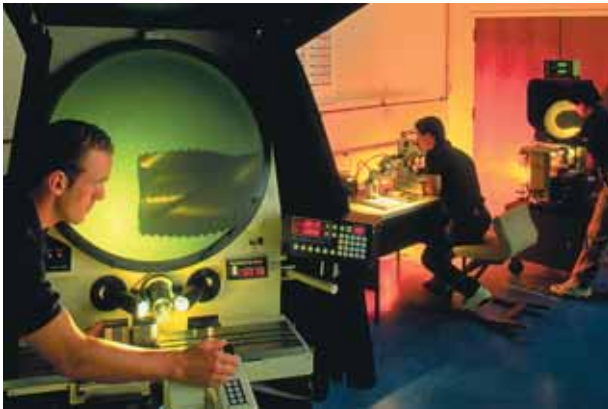
PCD Straight Flute Routers

Available in diameters from 1/16" through 1" with a variety of cutting lengths. These products are available on a made-to-order basis only. Call for further information and prices.

PCD Special Form Tools

Available in a variety of configurations and diameters to suit your needs. Please contact us with your print and/or specifications.

PCD
Special
Form
Tools



Terms and Conditions, General Information

Terms:

1% Ten Days, Net 30 Days. Minimum Invoice, \$25.00

Shipping:

F.O.B. Lincoln, California. All shipments ship via 2nd DAY AIR, unless otherwise specified.

Claims:

Although goods are considered sold and our responsibility ceases when delivery is made to the transportation company, in the event of goods being lost in transit, we will make every effort on behalf of customers to have lost goods found or to have the transportation company make proper restitution for loss. Damage claims must be made against carrier.

Specials:

Orders for special tools, non-catalog or modified tools are accepted on a no cancellation basis and tools are not returnable. A confirming purchase order is required before any work begins on special tools. A 10% over or under shipment on a special is acceptable based on industry practices, unless no overshipment is stated on the order when placed.

Return Policy:

No merchandise may be returned without prior authorization from the factory. Credit will not be issued for merchandise returned without a return authorization number. All merchandise returned for credit will be subject to a 15% restocking charge.

Errors:

RobbJack Corporation cannot be held responsible for incorrect parts made with our products due to mislabeling or defect. We assume all tools used by our customers are inspected before use and that first part inspections in customer's plant is the rule. We will replace or credit tools in those situations.

Prices:

Prices are subject to change without notice.



For more information contact:

ROBB JACK
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