

**Cost effective 1F, 2F Up-Cut &
Down-Cut Routers, Engravers for
Wood, Plastic & Non-Ferrous Metals**

**Our Routers & Engravers
let you finish job**

ON time ALL time



RIGPL brings to you cutting tools for Engraving & Routing application to be used in furniture industry, sign-board industry, model-making industry, jewelry industry & many more. Our standard & special tools are used in handheld as well as the most sophisticated Routers available in the market today

Advantages with our Routers & Engravers:

- Engineered to exacting tolerances,
- Unique End Geometry for faster plunge cuts,
- Highest quality micro-grain carbide
- Works on almost all kind of Woods, MDF, Plastics, Non-Ferrous metals etc.
- Polished flutes and cutting edges for superior finishes & better chip evacuation.



ROUTERS & ENGRAVERS

1. 2F Ball Nose Router (104 Series)

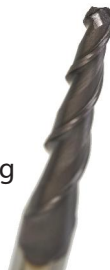
- Right Hand Cut, Right Hand Helix
- Produces a cut with a bottom radius for 3-D contouring



SHK Ø = 1/8" to 1/2"	SHK Ø = 3mm to 12mm
CED = SHK Ø	CED = SHK Ø
LOC = 1/2" to 2"	LOC = 15mm to 50mm
OAL = 2" to 4"	OAL = 50mm to 100mm

2. 2F Conical Ball Nose Router (109 Series)

- Right Hand Cut, Right Hand Helix
- Finishing tool for 3-D contouring and desktop modeling
- Best for Sign Making & making Taper Grooves



SHK Ø = 1/8"	SHK Ø = 3mm
CED = .020" to 0.060"	CED = 0.5mm to 1.5mm
LOC = .060" to 0.187"	LOC = 1.5mm to 4mm
OAL = 1-1/2" to 2"	OAL = 38mm to 50mm

3. 2F Up-Cut Router (103 Series)

- Right Hand Cut, Right Hand Helix
- Produces flat bottom cuts in job



SHK Ø = 1/8" to 1/2"	SHK Ø = 3mm to 12mm
CED = SHK Ø	CED = SHK Ø
LOC = 1/2" to 2"	LOC = 15mm to 50mm
OAL = 2" to 4"	OAL = 50mm to 100mm

4. 2F Conical Up-Cut Router (108 Series)

- Right Hand Cut, Right Hand Helix
- Best for Sign Making & Making Taper Slots or Grooves



SHK Ø = 1/8"	SHK Ø = 3mm
CED = .020" to 0.060"	CED = 0.5mm to 1.5mm
LOC = .060" to 0.187"	LOC = 1.5mm to 4mm
OAL = 1-1/2" to 2"	OAL = 38mm to 50mm

5. 1F Up-Cut Router (107 Series)

- Right Hand Cut, Right Hand Helix
- Spiral O-Flute
- Polished Flute prevents Chip Welding



SHK Ø = 1/8" to 1/2"	SHK Ø = 3mm to 12mm
CED = SHK Ø	CED = SHK Ø
LOC = 3/8" to 2"	LOC = 10mm to 50mm
OAL = 2" to 4"	OAL = 50mm to 100mm

6. 2F Straight Router Bits (118 Series)

- Right Hand Cut, Non-Helical
- Cuts in MDF, Hardwood, Laminates & Plastics



SHK Ø = 1/8" to 1/2"	SHK Ø = 3mm to 12mm
CED = SHK Ø	CED = SHK Ø
LOC = 1/2" to 2"	LOC = 15mm to 50mm
OAL = 2" to 4"	OAL = 50mm to 100mm

7. 1F Engraving Bits (119 Series)

- Extensive variety of cutter types for every engraving application
- Flat Bottom, Half Straight Type, LONG type



SHK Ø = 1/8" to 1/2"	SHK Ø = 3mm to 12mm
CED = 0.00" to SHK Ø	CED = 0.00mm to SHK Ø
LOC = 3/8" to 2"	LOC = 10mm to 50mm
A° = 0° to 45°	A° = 0° to 45°
OAL = 1-1/2" to 4"	OAL = 38mm to 100mm



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LEGEND / SYMBOLS USED IN TABLES

SHK Ø = Shank Diameter
CED = Cutting Edge Diameter
LOC = Length of Cut
OAL = Overall Length
A° = One Sided Angle