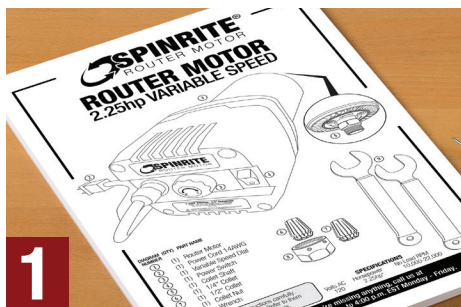


ULTRA·SHEAR®

PROFESSIONAL GRADE ROUTER BITS
by **Woodpeckers®**

Woodpeckers, LLC · Strongsville, OH · 800.752.0725

Routing Safety & Best Practices



Read Before You Rout.

Always refer to your router's owner's manual before using the tool or any router bits.



Protect Yourself.

Wear safety glasses and hearing protection, and keep loose clothing and hair away from the cutting area.

Cutting Diameter	Max R.P.M.
Up to 3/4"	24,000
3/4" to 1-1/2"	16,000
1-1/2" to 2-1/4"	14,000
2-1/4" to 3-1/2"	10,000

3

Stay Within Safe Speeds.

Never exceed the bit's maximum rated RPM. Refer to the recommended speed chart for guidance.



4

Inspect Regularly.

Check the router collet often for wear or damage and replace it if needed.



5

Right Tool for the Job.

Avoid using large-diameter bits in a handheld router.



6

Mind the Cord.

Plan your cutting path to keep clear of the power cable.



7

Use Guards & Fences.

Always route with a fence or starting pin whenever possible.



8

Secure the Setup.

Lock the router motor firmly in its base before plugging it in.



9

Power Off First.

Make sure the switch is OFF before connecting to power.



10

Check Your Stock.

Ensure the workpiece is flat and free of nails, screws, staples, grit, or other debris.



11

Set the Bit Correctly.

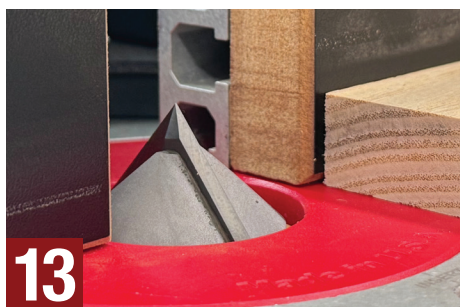
Don't bottom out the bit in the collet. Insert it fully, then pull it back about 1/8" (or to the stop line, if marked).



12

Hold It Steady.

Use featherboards to keep the workpiece tight to the table and fence.



13

Start Smart.

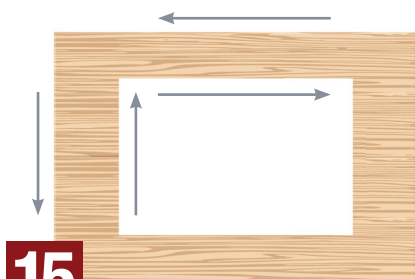
Never power up the router with the bit touching the material.



14

Keep Hands Clear.

Use push blocks or push sticks to maintain a safe distance from the bit.



15

Feed the Right Way.

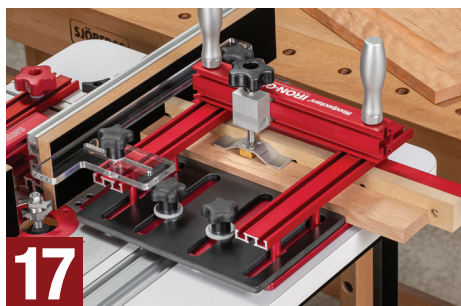
Move the router counterclockwise for outside edges and clockwise for inside cuts.



16

Never Climb Cut.

Always feed the workpiece against the bit's rotation.



17

Avoid Tiny Parts.

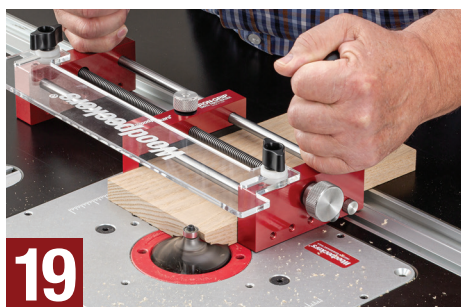
When possible, shape larger stock first, then cut to size. For small pieces, use a jig or clamp to hold securely.



18

Take It in Steps.

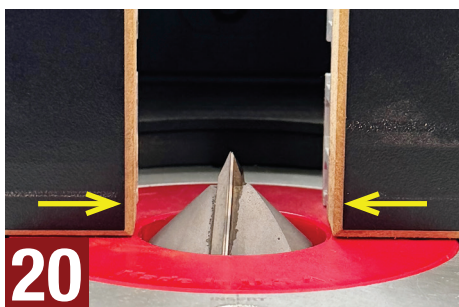
Make several light passes to reach your final depth or profile. If the router strains, lighten the cut or sharpen the bit.



19

Support Narrow Ends.

Use a jig or miter gauge when routing the ends of narrow stock.



20

Tighten the Opening.

Minimize the fence gap for better support. Use a zero-clearance fence whenever possible.



21

Start Smooth.

Use a starting pin when using templates or patterns.