

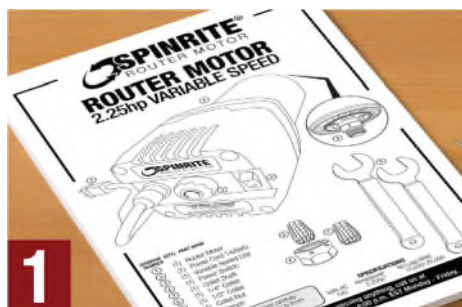
# ULTRA-SHEAR<sup>®</sup>

PROFESSIONAL GRADE ROUTER BITS

**Woodpeckers**

Woodpeckers, LLC • Strongsville, OH • 800.752.0725

## Routing Safety & Best Practices



1

### Read Before You Rout.

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



2

### 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.**

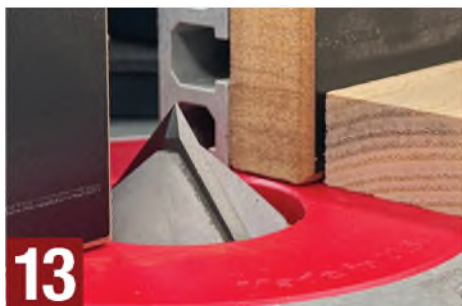
Don't bottom out the bit in the collet. Insert it fully, then pull it back about 1/8" (or to the stop line, if marked).



**12**

### **Hold It Steady.**

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



**13**

### **Start Smart.**

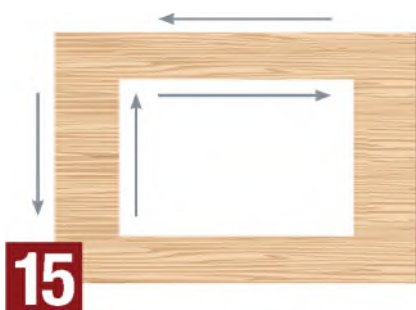
Never power up the router with the bit touching the material.



**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.**

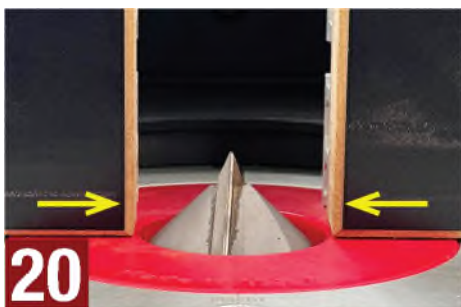
Make several light passes to reach your final depth or profile. If the router strains, lighten the cut or sharpen the bit.



**19**

### **Support Narrow Ends.**

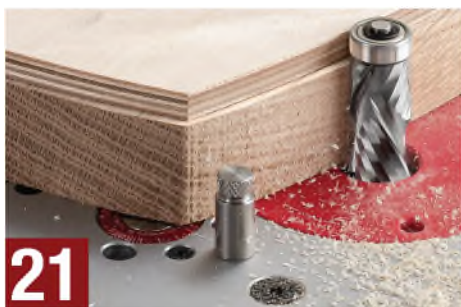
Use a jig or miter gauge when routing the ends of narrow stock.



**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.