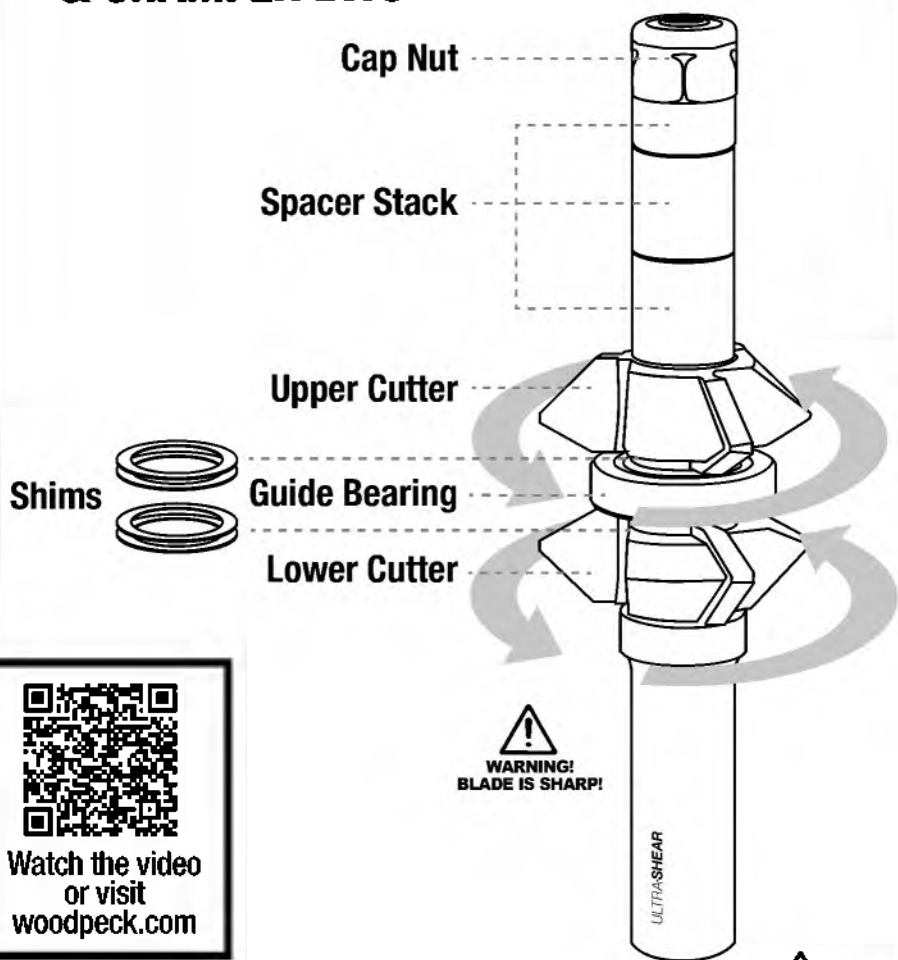


ULTRA·SHEAR®
by **Woodpeckers**

DOUBLE RADIUS & CHAMFER BITS



Watch the video
or visit
woodpeck.com

Ultra-Shear's Double-Chamfer and Double-Roundover Router Bits use an adjustable arbor system to profile both edges of a workpiece in a single pass. The spacing between the two cutters can be adjusted using the included spacers and shims.



WARNING!
This product can expose you to chemicals, including chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

If you think you're missing anything, email us at mailroom@woodpeck.com. You can also call us at 800-752-0725 from 9:00 a.m. to 4:00 p.m. EST Monday - Friday.

ASSEMBLY

- 1. Install the Lower Cutter.** Slide the lower cutter onto the arbor until it seats against the shoulder. Position the cutter so the selected cutting profile faces toward the center of the workpiece. Verify the carbide cutting edges are oriented for the correct direction of rotation.
- 2. Add Spacers and Shims.** Select the appropriate combination of spacers and precision shims for the thickness of your workpiece. Install half of the spacer/shim arrangement above the lower cutter.
- 3. Install the Guide Bearing.** Slide the bearing onto the arbor between the cutters. In most applications, the bearing should be positioned near the center of the workpiece. Use the remaining spacers and shims to establish the required spacing above the bearing.
- 4. Install the Upper Cutter.** Slide the upper cutter onto the arbor with the desired cutting profile facing the lower cutter. **IMPORTANT: Both cutters must have their cutting edges facing the SAME direction of rotation.** Check the arrangement of the cutting edges on both cutters before proceeding.
- 5. Secure the Assembly.** Install the remaining spacer collars required to reach the arbor threads and install the Cap Nut onto the arbor. Hold the arbor using the supplied hex key inserted into the socket at the shank end. Tighten the retaining nut using a 1/2" wrench.
- 6. Check the Assembly.** Confirm that both cutters and all spacers are securely clamped, with no looseness or axial movement. Verify that the guide bearing spins freely. Check that the cutters are correctly oriented and the entire assembly has adequate clearance.

CHECKING CUTTER ROTATION

When viewed from above the bit, looking down from the retaining nut toward the shank, a conventional router-table bit rotates **counterclockwise**. Never operate the bit with the cutters installed backward. **SEE DIAGRAM ON FRONT.**



WARNING! To reduce the risk of injury, wear safety goggles or glasses with side shields, ear protection & a dust mask.



WARNING! To reduce the risk of injury keep hands away from moving parts. Refer to your owners manual for proper set-up and use.



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At Woodpeckers we are constantly reviewing & improving our tools. The most current version of our instruction manuals are always available to download at woodpeck.com. (Located in the bottom section of the tool's page under the "Additional Information" or "Instructions" tabs.)



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