# Online Extra



## CUTTING SHADE RETAINER DISCS

The desk lamp shown on page 18 has two circular shade retainers that hold the lamp shade in its cylindrical shape. These retainers are nothing more than thin discs made from the same species of wood as the lamp's base assembly — walnut. To make them, I turned to my drill press outfitted with a heavy-duty circle cutter. This ensures a consistent result for both retainer discs.

**TWO DISCS, ONE METHOD.** As you'll notice, the lower shade retainer only has a small hole in the centre sized for the lamp nipple. But the upper shade retainer has a larger hole in the centre. This hole provides enough room to reach in and install a light bulb. Even though the discs have these differences, they both follow the same procedure.

**SETUP & CUT.** I started by setting my circle cutter to the proper radius to make the outside diameter cut first (Figure 1a). The blanks are held to a scrap board with double-sided tape. Then go ahead and make the cut for the lower retainer (Figure 1). If the centring drill bit in your circle cutter is smaller than the 9.5mm-dia. hole needed in the lower retainer, it's easy to enlarge with the proper bit now. Now, secure the other blank to the scrap board with tape and make the same outside cut for the upper retainer. For the inner diameter cut, flip the cutter around in the circle cutter, reset the radius (Figure 2a) and make the cut (Figure 2).





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