

SANDING DISK HOLDER



Hardwood blocks $1\frac{1}{2}$ - 2 inch thick (cut into $3\frac{1}{2}$ inch squares) trim off corners.

Drill hole in center $\frac{1}{4}$ inch minimum preferably size F or G drill bit. Bit could split block if forced into a $\frac{1}{4}$ " hole in a "hard" wood.

Insert 2 inch long driver bit with epoxy - driver bit from Harbor Freight (10 piece color coded set \$3.79). See photo. Use vise to squeeze bit in about 1 inch.

Turn hardwood into a cone shape about $1\frac{3}{4}$ diameter on the bit end and about $2\frac{1}{4}$ - $2\frac{1}{2}$ on the bottom. Square up top and bottom.

Cut foam into $3\frac{1}{2}$ inch squares. Use Garden Knee Pad from Surplus City \$1.99 or Neoprene, Mouse Pads, foam from fabric store - needs to be somewhat firm.

Glue Velcro to foam with 3M 77 spray adhesive or buy PSA Velcro from Klingspor that has adhesive already attached. (12 x 24 sheet #VC12040 \$14.95 Klingspor Woodworking Shop).

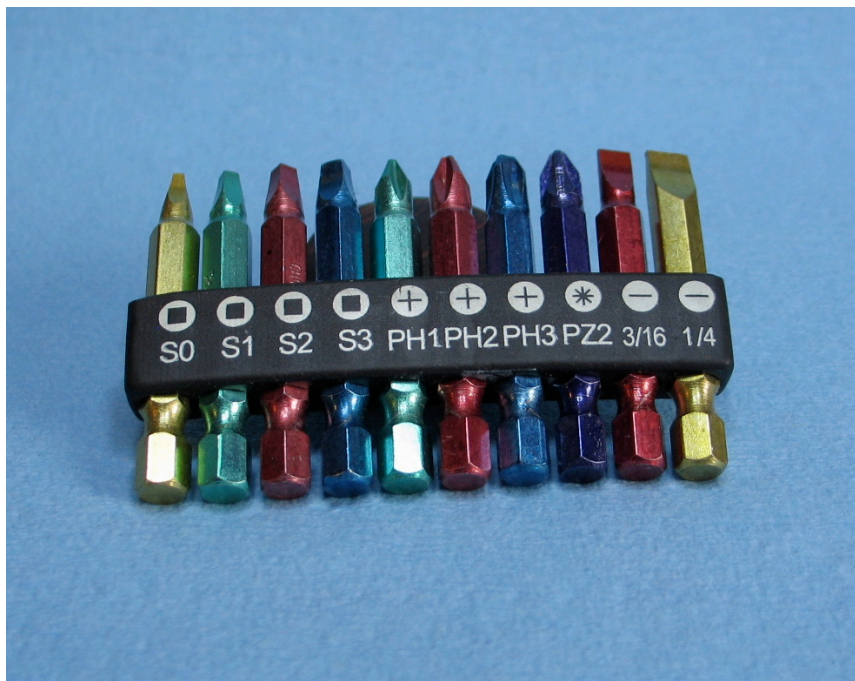
Place a large dollop of Shoe Goo on the center of foam - smear it around about the size of the hardwood cone bottom. (Option - smear it on the hardwood instead) Place hardwood cone on the center of the smeared Shoe Goo. If you have a circular weight (like a small faceplate or heavy washers) place it on the hardwood while the glue cures. You can find Shoe Goo at CVS drug store and a number of other stores. You can also use Kiwi Boot Repair or other like adhesive.

After everything has cured (24 hours) - place bit in a drill chuck mounted in the lathe. Use a skew to cut the bottom Velcro and foam to a 3 inch pad. Angle the skew so the cut flows to the base of the hardwood. See photo above. If the skew cut is rough you can sand the foam.

Option - use leather instead of Velcro if you are using PSA sanding disks.

The beauty of this set up is that you can make a set with a different grit on each and not have to change the pad until it wears out. You can also color code for easy identification of the different grits. Use a quick change drill chuck from Craft Supplies.

The idea for this holder came from the Internet. Thanks to Bill George of Denton Turners for sharing the concept.



Odds and Ends

Sandpaper Caddy

Ace Hardware - Crawford Spring Grip Bar \$8.49

Live End Centers for Oneway Multi-Tip Revolving Center

Tap $\frac{3}{4}$ " 10 Grizzly # 20876 \$26.95

$\frac{3}{4}$ " bolt - cut off hex head - mount in spigot jaws

Carbide Cutters

Source - Carbide Depot

<http://www.carbidedepot.com/wood-turning.aspx>

Round -8, 10, and 12mm - screws and taps available

Must buy 5 - price keeps going up - but still $\frac{1}{2}$ the price of retail sources