

## Making a Hook and Loop Hand Sanding Block

A random orbital sander is in almost every shop. While most finish sanding operations can be performed using this tool, some sanding is best done by hand. Wrapping a sheet of sandpaper around a block of wood can work, but making a dedicated sanding block that accepts hook and loop discs can be a nice addition to any shop and will help you recycle those worn out discs. I made a sanding block from a scrap of wood and accepts 5" hook and loop discs. Its rounded shape fits my hand well and does an excellent job.



*3" wide block from 1-1/4" thick scrap*

### What you will need:

- Scrap of wood at least 4" wide and preferably 1" to 1-1/4" thick
- 5" Velcro Conversion pad

### Steps:

- 1) Cut your block to width. A 3" wide block works well as long as the block is at least 1" thick. If your scrap is thinner, subtract the thickness x2 from 5 and this is your minimum width.

- 2) Find the center of the block



3) Scribe a 5" diameter arc with a compass



4) Tilt the bandsaw table to 20 degrees and cut off both ends staying just outside your lines



5) Tilt your sander to 20 degrees and sand to your lines

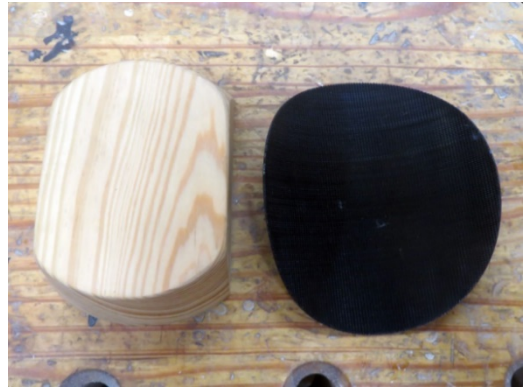


6) Smooth the block and soften all sharp edges

7) Apply finish of your choice. Make sure your finish is well cured before attempting to attach the Velcro pad. Boiled linseed oil is not recommended as it will interfere the adhesive sticking.



8) Obtain Velcro Conversion Pad with PSA on one side



9) Place the Conversion Pad on your bench with the Velcro side down. Center your block on the round disc.



10) Using the block as a guide, slice along both edges of the pad with a sharp knife being careful to slice through just the PSA plastic backing.



11) Peel away the center section of the PSA backing



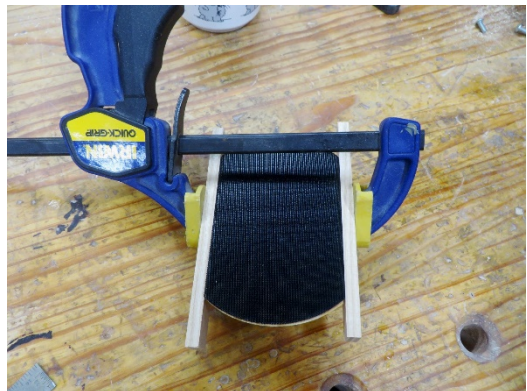
12) Stick the block on the pad staying inside the exposed PSA portion. Once the block is stuck to the pad, peel off the backing on both tabs



13) Press firmly on the block and then roll the block on its side to pull the Velcro pad tight around the corner



14) Clamp the sides down for 12 hours to get the best adhesion



15) Finished block



16) Attach a hook and loop disc and start sanding.



**Supplies:**

PSA replacement hook and loop conversion/replacement pad available [HERE](#)

