

# QUICK TOOLS - SMALL VICE

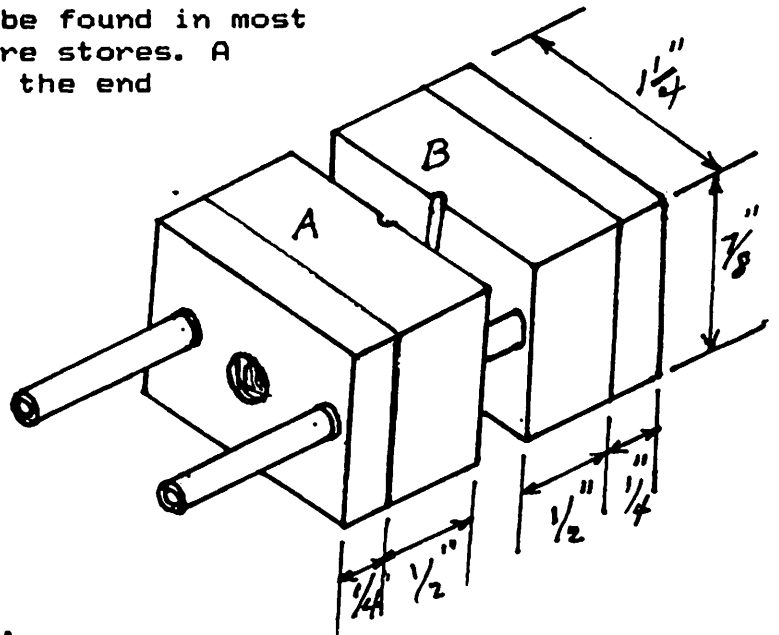
Q100

## SMALL DRILL PRESS VISE by Tom Palen

For many small drilling jobs using a Dremel drill press, the holding vise shown has been found to be highly useful. It can also be used for holding small articles during soldering or painting operations. I made this one out of materials found in the shop, and the sketches are largely self-explanatory. The main block is of maple, with an added piece of 1/4" masonite hardboard added to give a little more base area, and possibly help prevent any warpage. Telescoping brass tubing was used to provide easy sliding operation.

After assembly and with the vise in the closed position, I drilled a small vertical hole (about .025") down the center for holding small round items during work. Several could be drilled of different sizes, and could be filed out to a "V" if desired. A wing nut on the bolt provides fast adjustment (the rather crude drawing shows a left-hand thread, not intended, but was not corrected in order to meet the editor's deadline).

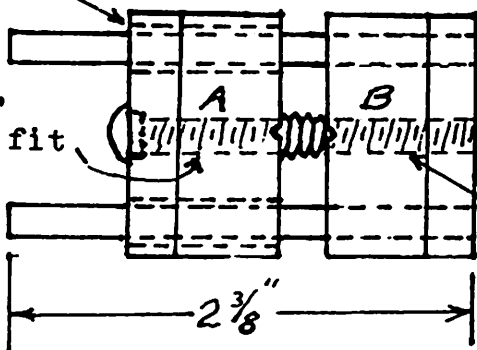
You'll find a lot of use for this little item--why not take a couple of hours and make one. It will be time well spent. The brass tubing can be found in most hobby shops, and many hardware stores. A small drop of super glue at the end of the tube was found to be sufficient for holding.



Glue 3/16" tube sleeves in "A".

Glue 5/32" tubes in "B"

Drill "A" for snug fit



3/16" (or smaller) carriage bolt x 2-1/2" long, with washer and wing nut (left hand thread not intended)

Drill "B" for sliding fit on bolt

Top View.