

# NOSE BLOCK THRUST BEARING USING BLIND NUT

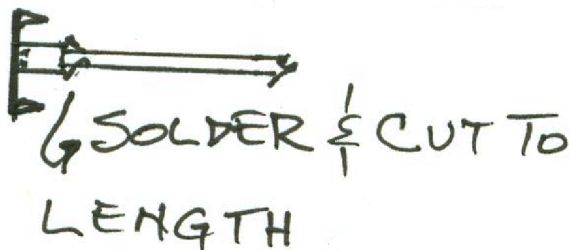
By George White

For those who don't use an adjustable thrust bearing, Bill Duke has come up with a very stable solution for nose blocks carrying prop shafts varying in size from 1/32 to "big ol" 2mm wire for large SAM type models. He's found that a blind nut makes a very good thrust bearing in your nose block. The following size blind nuts, using the brass tubing shown, will give you a very firm and reliable thrust bearing:

A 2-56 blind nut and 1/16" brass tubing will work with a 1/32 prop shaft

A 4-40 blind nut and 3/32 brass tubing will work with a 1/16 prop shaft. To use a .047 prop shaft, you'll need to insert and CA a piece of Special Shapes brass tubing # 05037 into the 3/32 brass tube.

A 6-32 blind nut, when drilled out slightly will take a 1/8" brass tube for a 2mm wire



After soldering, Bill inserts the tube and blind nut into the noseblock, then takes a pin and punches a series of small holes in the nose block close to the blind nut, and soaks the area with thin CA. He recommends extending the brass tubing aft of the nose block by about 1/16 inch and soaking the area around it with thin CA, being careful not to allow any CA into the tube.