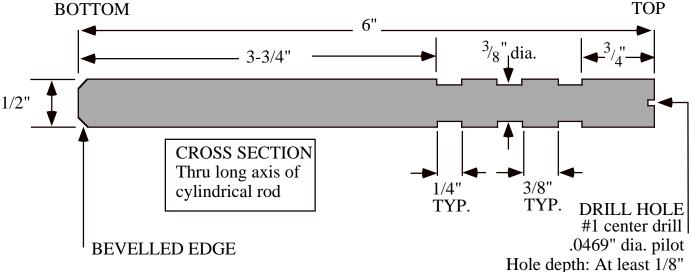
## MACHINE SHOP SPECIFICATIONS

TOLERANCES: ALL DIMENSIONS  $\pm$  1/64" (Except drill hole diameter) Use cylindrical stainless steel rod such as #304, which is reasonably machinable and highly corrosion resistant.

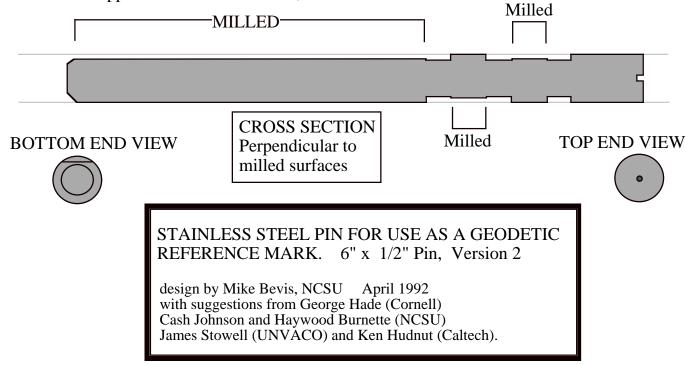
Cut the three grooves. We use a lathe tool 1/8" wide, and make two cuts per groove. Do not bother to make the base of the grooves really smooth. Use plenty of cutting oil to prevent chattering during groove cutting.

Cut a bevel on bottom (approx. 45°), and center drill the top end.



(In metric shops, drill hole with 1 mm diameter).

Next mill a flat surface onto the lower shank of the pin, and the top 3/8" notch, then rotate roughly 180° and mill the other notch. Mill down approx. .055" in each case, as shown below.



Note added in 1998: Tech 2000 now makes these pins with a slightly conical hole to optimize their use with the Tech 2000 GPS antenna mast (a fixed-height spike mount leveled under tension).