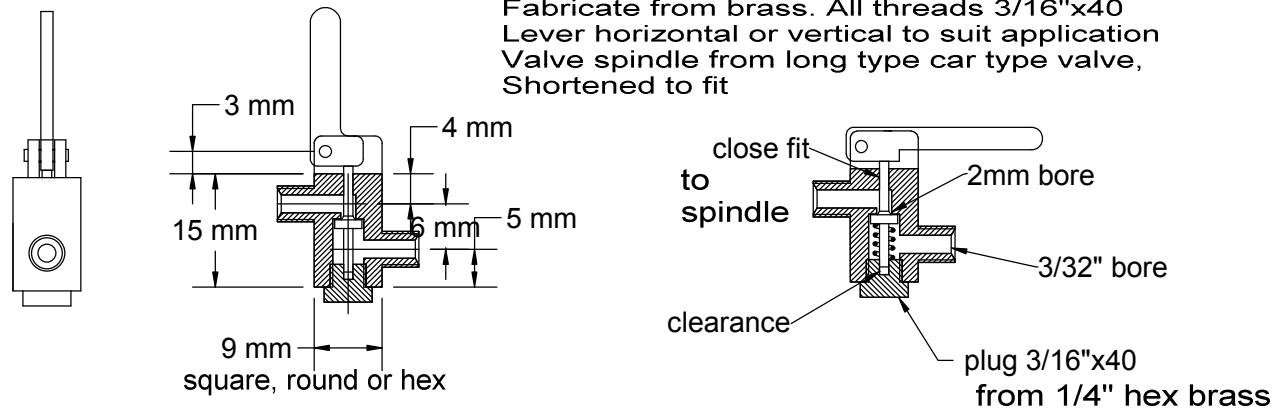


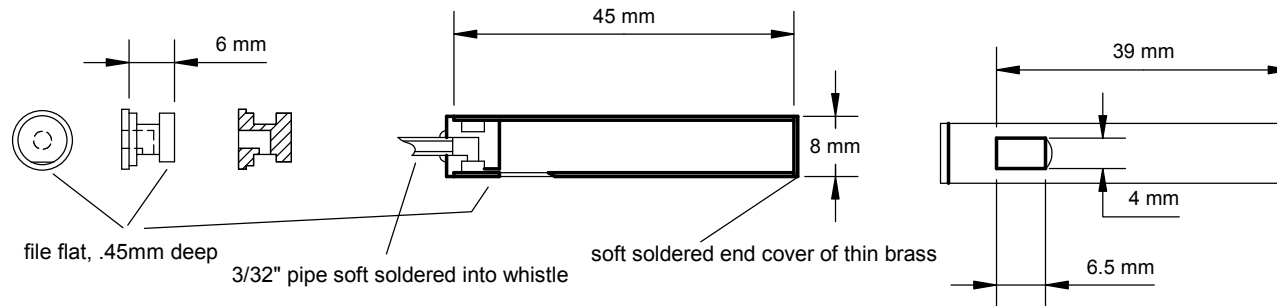
Whistle Valve



End plug brass, start with a bar of at least the same diameter as the tube. Turn step 6mm long to fit closely. Cut groove about 1 mm deep with parting tool. File or mill flat as shown. Take off just under 0.5mm. Drill cross hole (1.5mm) to centre, it doesn't matter if you go right through. Part off leaving flange about 1mm thick. Reverse in chuck, and drill 3/32" hole to meet the cross hole. Secure with minimum of soft solder (just a tiny bit).

Whistle aperture should be an even fraction of length of column of vibrating air. In this example 1/6th, so for aperture 6.5mm, column is 39mm. Cut the aperture by milling or filing, clean up any burred edges. Use fine file to make sharp edge to split the jet of steam.

Whistle from thin wall brass tube



Whistle located below footplate on right hand side. Whistle valve on footplate between firebox cladding and cab side. Pipe work not shown. A 3/32" copper pipe runs from a male union fitting silver soldered into the turret to the whistle valve inlet. The pipe from the whistle valve outlet to the whistle is bent into a U shape and soft soldered into the whistle. The whistle points forward. Make sure the whistle aperture points downwards so that any condensed water can drain away.

Whistle for WILD ROSE

Dave Watkins
25th June 2000