

— L-Shaped Key Cup Drifting Tool —

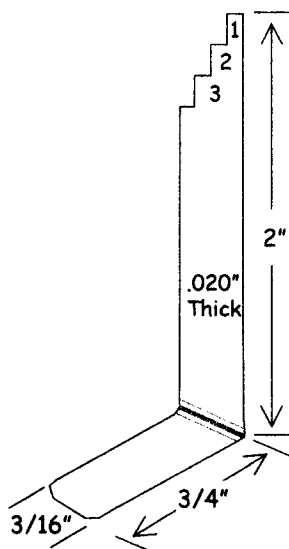
for C Soprano Flute

Materials:

An old spent hack saw blade.

Process:

1. Start by cutting an old hack saw blade in half (lengthwise) with a tin snip. This will remove the cutting edge as well as unneeded material and give use enough material to make approximately three tools (each 3" long).
2. Remove sharp edges by polishing with your felt/emery wheel.
3. Round the corners on one end (this is the end that will go under the pad cup).
4. While holding the material in front of the torch (red hot!), use two flat note pliers to bend a right angle approximately 3/4" from the tip of rounded end. Do not remove from the flame during this process or the metal will become brittle and break. Allow the metal to air cool as quenching will cause it to become too brittle.
5. Carefully grind the key height gauge levels as prescribed below. Don't grind too aggressively. Stop to check your measurements often.
6. Polish/buff to a smooth finish.



Specifications:

- | | |
|---------|-----------------------------|
| Step #1 | .100" (2 1/2mm) |
| | Trill keys & C key |
| Step #2 | .140" (3 1/2mm)* |
| | Remaining keys on main body |
| Step #3 | .180" (4 1/2mm)* |
| | Keys on the foot joint |

* May be slightly closer for French model flutes (by approximately 1/2mm)