

SWAGING PUNCHES

193-S POUCH with 4 punches: $\frac{1}{4}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " and $\frac{5}{8}$ "
193-S-SP POUCH with 4 punches: $\frac{1}{4}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " and $\frac{5}{8}$ "
with skin packing

- Use these tools for making tubing connections without fittings.
- Enlarge end of tube, insert another tube of original O.D. size and solder together like a sweat fitting.

93-S-03 Punch: $\frac{3}{16}$ "
93-S-04 Punch: $\frac{1}{4}$ "
93-S-05 Punch: $\frac{5}{16}$ "
93-S-06 Punch: $\frac{3}{8}$ "
93-S-08 Punch: $\frac{1}{2}$ "
93-S-10 Punch: $\frac{5}{8}$ "
93-S-12 Punch: $\frac{3}{4}$ "
93-S-14 Punch: $\frac{7}{8}$ "
SP-94 3-in-1 swaging punch: $\frac{1}{2}$ " , $\frac{5}{8}$ " and $\frac{7}{8}$ "
SP-95 All-in-1 swaging punch: $\frac{1}{4}$ " , $\frac{5}{16}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " and $\frac{5}{8}$ "



Tube height gauged by placing tubing even with bevel on swaging punch

Enlarge end of tube, insert another tube, solder like a sweat fitting

