

Welding Amtec ~ Tool List
Required Tools, Safety Equipment, PPE
Safety Glasses are required throughout all of AMTEC.

Weld 190-196
Fall / 2016

Oxy-acetylene Welding:

- 1) Welding & Cutting Goggles (Shade #3 or #5).
- 2) Light duty welding gloves.
- 3) Tip cleaners.
- 4) Pliers/vice grip.
- 5) Spark lighter (Striker).
- 6) Soap stone

Arc Welding:

- 1) Welding Helmet with flip front or Automatic. (Shade #10, #11, or #12 lens for the flip-up).
- 2) Heavy leather welding gloves. (Consumable, 2 pairs per quarter).
- 3) Long sleeves, leathers, chaps, fire retardant sleeves are recommended for welding -/- burning
- 4) Boots are recommended. Leather work boots steel toed. (8" or higher).
- 5) Slag/Chipping Hammer.
- 6) Vise grips.
- 7) Wire Brush.
- 8) Welders cap.
- 9) 4" to 4 1/2" electric grinder, with 4" wire wheel and grinding disks.
- 10) Set of fillet weld gages.
- 11) Welder's respirator.
- 12) 12ft. Tape measure.
- 13) Flashlight.
- 14) Striker/ Spark lighter.
- 15) Soap Stone (Flat or Round).

Tig Welding.

- 1) Tungsten, 3/32" and 1/8", Gold 1.5% Lanthanated, Purple E-3, and Green 99.5% Pure.
- 2) Collets, 3/32" and 1/8" (suitable for HW18 TIG Torch).
- 3) Collet bodies 3/32" and 1/8" (suitable for HW18 TIG Torch).
- 4) Gas cups #4, #5, #6 required. (suitable for HW18 TIG Torch).
- 5) Long end cap. (suitable for HW18 TIG Torch).
- 6) "3" stainless steel wire brushes: one for "aluminum", one for "stainless steel", and one for "mild steel".
- 7) Diagonal cutting pliers. "Welpers"
- 8) Light duty thin leather TIG gloves.
- 9) "Including all the above Arc Welding tools."

Mig / Flux Core Welding:

- 1) Diagonal cutting pliers. "Welpers"
- 2) "Including all the above Arc Welding tools."

Recommended Hand Tools:

- 1) Magnifier lens for welding hood. (For those who use glasses for reading).
- 2) Ear Plugs.
- 3) Air Tools.
- 4) Bag or Toolbox to carry your gear.

If you have any questions contact me at jspeicher@everettcc.edu Jason Speicher