

Welding
Required Tools, Safety Equipment & Texts

Oxy-acetylene Welding:

1. Welding & Cutting Goggles (Shade #4 or #5)
2. Light duty welding gloves
3. Tip cleaners
4. Pliers
5. Spark lighter (Striker)
6. Safety glasses
7. Ear Plugs

Arc Welding:

1. Welding Helmet with flip front. (Shade #10 or #11)
2. Heavy leather welding gloves. (Consumable, 2 pairs per quarter)
3. Leather welding jacket
4. Leather apron or chaps
5. Leather work steel toed boots. (8" or higher)
6. Slag Hammer
7. Vise grips
8. Wire Brush
9. Welders cap
10. 4 ½" or 5" electric grinder, with 4" wire wheel.
11. Set of fillet weld gages.
12. Welder's respirator.
13. 12" tape measure
14. Flashlight

Tig Welding:

1. Tungsten, 3/32" and 1/8", 2% thoriated
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. 2 stainless steel wire brushes, one for aluminum and one for stainless steel.
7. Diagonal cutting pliers.
8. Light duty thin leather TIG gloves.
9. All the above arc welding equipment.

Mig Welding:

1. Diagonal cutting pliers.
2. All the above arc welding equipment.

Recommended Hand Tools:

1. Magnifier lens for welding hood. (For those who use glasses for reading).

Book List: (Full time day class)

Modern Welding Technology, CARY.

Reading Welding Blueprints & Symbols, STINCHCOMB.

The Procedures Handbook for Arc Welding, LINCOLN ELECTRIC.