



# MIG BRAZING HANDS-ON SKILLS DEVELOPMENT (BRZ02)

## FACILITY PREPARATION CHECKLIST

Thank you for your interest in participating in the I-CAR® MIG Brazing Hands-On Skills Development course. Taking this action is a meaningful step for your student's professional growth.

**Please provide the following PERSONAL items for each student:**

- Government issued photo ID
- Ear plugs protection
- Leather boots or shoes (no tennis shoes)
- Leather welding cape or long sleeve welding shirt
- Welding magnifying lens per individual need for improved vision
- Safety glasses (must be worn at all times)
- Welding gloves
- Welding helmet (auto darkening lens preferred)
- New plastic lens cover for welding helmet
- Welding respirator (NIOSH approved)

**Please provide the following SHOP EQUIPMENT:**

MIG welder with these features:

- Pulse synergic MIG braze setting for 0.8 mm or 0.9 mm CuSiA or CuSi3 electrode
- Synergic non-pulse setting
- 200 Amp output

If your pulse welder does not have a non-pulse synergic setting, you may use a separate conventional non-pulse machine for the open butt joint.

- 100% argon shielding gas
- Extra bottle of 100% argon shielding gas, for use as backup
- 0.8 mm or 0.9 mm CuSiA or CuSi3 electrode wire
- Extra roll of CuSiA or CuSi3 silicon bronze electrode wire for use as backup
- Fire extinguisher with current inspection tag
- Extra consumable supplies: Contact tips, replacement nozzle, gun liner

*Note: If converting a single gun machine from aluminum to MIG brazing, follow the equipment manufacturer's recommendations for what should be changed out besides the electrode wire.*

- Drive rolls matched to the type and size of the wire used

- Recommended: Small parts kit with consumable supplies for each welder listed above
- Recommended: Auxiliary lighting/Fluorescent drop light
- Sturdy mounted vise mounted in the welding area for destructive testing welds
- Classroom with tables and chairs
- Welding screens or welding blankets to protect items near welding area

**Please provide the following SMALL SHOP TOOLS:**

- 2 pair duckbill locking pliers
- 2 pair locking pliers
- 1 pair 6" C-clamp locking pliers
- Regular pliers or welding pliers
- Side-cutting pliers or welding pliers
- 8 mm or 5/16 punch deep reach or drill
- Extra 5/16 drills for use as needed
- Rotary tool with carbide bit capable of cutting an 8 x 20 mm slot