

Bellingham Technical College

Tools Needed for Pipe Welding & Fabrication Trades

As a Professional entering the Piping Trades, You Will Need:

- Measuring Tape (16' or 25' preferred)
- Combination Square (Tri-Square)
- Three-ring Binder (at least 1 ½")
- Soapstone & Holder; Silver Pencil
- Black Sharpee
- Striker
- Cutting Goggles
- Tip Cleaners
- Earplugs
- Pocket Notebook
- Pen or Pencil
- Pocket calculator (Square root, decimal/fraction, trig functions helpful) – Look for a “Contractor’s Calculator” if you’re making an investment for the trade.
- Graves: PIPEFITTER’S BLUE BOOK
- NCCER: BTC PIPEWELDING & PIPEFITTING BOOKS (2 Volumes)
- Tool Box; metal 5-gal bucket with lid. ***Tool Box MUST FIT INTO YOUR BOOTH with you working. No Tool Boxes may be STORED in the building – except in your Locker.***
- Mechanic’s Wedges (at least 2)
- Ball Peen Hammer
- Mag Torpedo Level
- Center Punch
- Center-Finder
- Compass or Dividers
- Protractor (Empire Angle Magnetic Protractor) or Protracting Square
- Wrap-A-Round
- Bastard or Pipeliner File; Rat-tail file
- Scribe and Picks
- (2) 4 ½” Grinders – min. 7.5 Amp; .045”, 1/16”, 1/8”, ¼” wheels; SS tight-bead Wire wheels; end-grinder attachment
- Respirator & spare filters
- White Paint Marker (Pentel Fine Point Jumbo Correction Pen works great)
- Silver Pencil
- (2) Two-foot Framing Squares
- String Line with Plumb Bob
- Channel Locks
- 12” Adjustable End Wrench; 8” Adjustable end wrench
- 1” inspection mirror; 2” telescoping Inspection mirror; Mag Mirror
- Flashlight; Mini Flashlight
- 2-Hole Pins

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SCRATCH ARC GTAW Parts & Consumables for CKC 150 Gas Cooled Torch:

- Backcaps – Long (300L); Short (*Button-* 300S) – 1ea
- Standard Collet 1/8" (3C418) – 2ea
- Large Diameter Gas Lens 1/8" (3GL418LD)
- Alumina Cup – Large Diameter (3AG8LD) – 1ea; (3AG12LD) – 1ea
- Heatshield – Large Diameter (3GHSLD) – 1ea
- 1/8" 2% Thoriated Tungsten (E3 non-irradiated Tungsten option) – min 2ea