



GTAW Weldheads

CopperHeads® and DiamondBack®

Whether it's for bench or portable applications, MK Products provides a solution when it comes to orbital welding systems. As our most cost effective and rugged in-place orbital weldhead, the **CopperHead®** series is an ideal cost saver for sanitary and high pressure tube systems. All CopperHeads® are Liquid Cooled with fingertip controls in the weldhead handle and come ready to plug into model 254-151 CobraTig® 150 XM and model 254-202 Advanced Color Logic® power sources.

The **DiamondBack®** is our largest in-place orbital weldhead. Heavy duty and versatile, the DiamondBack® has a narrow profile and is perfect for process piping and weld fitting applications found in food & beverage, dairy and other sanitary process piping installations.



Perfect for sanitary and high pressure tube and pipe jobs.

Weld fitting **collets, mandrels and special tooling** available.

CopperHead® offers **versatility and high-output** production rates.

Liquid Cooled, narrow profile CopperHeads® **ideal for awkward welds** with limited access.

DiamondBack® great for high-pressure aerospace applications.

Comes Complete With

- Weldhead
- Owner's manual
- Tool kit
- Shipping and storage case

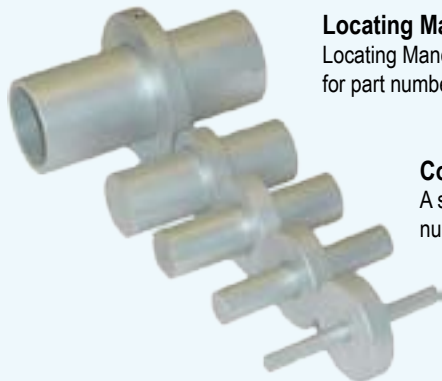
Most Popular Accessories

- Bench mount kit for 4000 ~ 5003 weldheads (005-0634)
- Bench mount kit for 5006 weldhead (005-0680)
- 25 ft weldhead cable extension (005-0635)
- 50 ft weldhead cable extension (005-0635-50)
- Tool kit for 5001 ~ 5003 weldheads (005-0214)



The **MiniMicro™** weldhead is an "Ultra-Pure" weldhead ideal for welding tubes and fittings with controlled surface finishes and electropolished to meet ultra-pure system requirements.

MODEL	DESCRIPTION	DIAMETER RANGE	COOLING REQUIREMENTS	BOXED DIMENSIONS	BOXED WEIGHT
4000	MiniMicro™	1/8" ~ 1/2" O.D.	Yes	19 x 8 x 16 in (483 x 204 x 406 mm)	16 lb (7.3 kg)
5001	CopperHead® I	1/8" ~ 1" O.D.	Yes	18 x 9 x 21 in (457 x 204 x 406 mm)	29 lb (13.2 kg)
5002	CopperHead® II	1/4" ~ 2" O.D.	Yes	18 x 9 x 21 in (457 x 204 x 406 mm)	30 lb (13.6 kg)
5003	CopperHead® III	1/2" ~ 3" O.D.	Yes	18 x 9 x 21 in (457 x 204 x 406 mm)	31 lb (14.1 kg)
5006	DiamondBack®	2" O.D. ~ 6" NPS	No	34 x 11 x 21 in (864 x 279 x 533 mm)	68 lb (30.8 kg)



Locating Mandrels

Locating Mandrels are used for precise and repeatable tube and welding fitting positioning and alignment. See price book for part numbers.

Collets, Flush and Extended

A set of collets is defined as top and bottom halves for each side of the weldhead. See price book for part numbers. Typically, 2 sets are required per each weldhead.

Tungsten, Tube and Pipe

2% Ceriated electrodes, pre-ground and cut to length, 18° included angle, .015" flat tip, .040" or 1/16" diameter. See price book for part numbers. 10 pieces per package.