

Telescopic Arm

2 in 1 - Pipe to Pipe - Pipe to Elbow - Welding Head with Minimal Axial and Radial Clearance

H Head

The H Head builds on the heritage of Liburdi Dimetrics field hardened products. By combining the best features of our legendary F Head and Block Head, the new H Head forms a flexible platform for a variety of GTAW applications, from ID Cladding to Narrow Groove welding.

The H Head is a truly modular product. In its basic form the H Head supports travel, wire feed, AVC and oscillation functions. The front-end comes with an enhanced version of our standard Dimetrics C torch and dual wire nozzle adjustment. The basic head is also equipped with a telescoping arm providing additional 6" (152mm) of torch cross-seam adjustment.

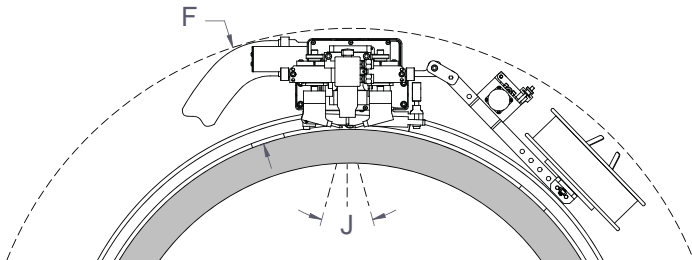
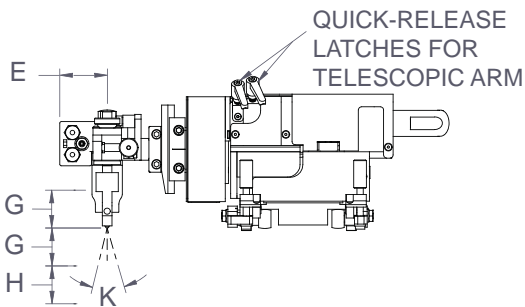
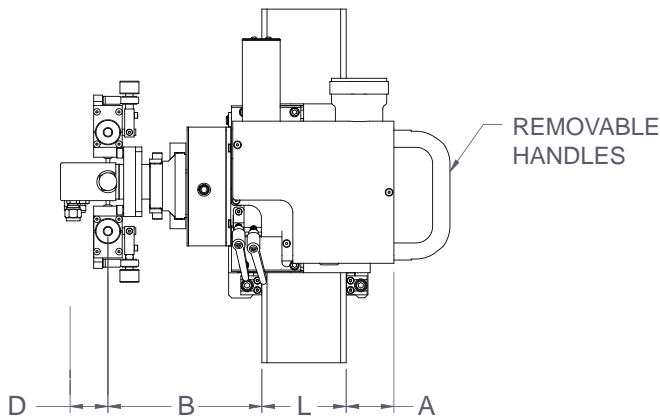
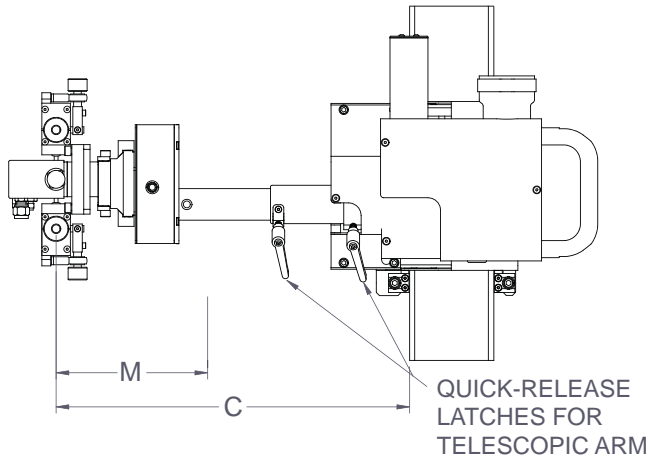
A comprehensive list of configurations and options are available to cover a full range of pipe welding applications. Some of these include Hot Wire, dual wire spool, motorized wire nozzle adjustment and weld monitoring.

The H head mounts to pipes by means of an aluminum guide ring. A smooth and accurate weld head travel motion is achieved with the Liburdi Dimetrics patented, backlash free, friction drive.



Weld Quality Starts in the Arc

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DIMENSION	DESCRIPTION	VALUE
A	TRACK TO REAR	1.89" [48mm]
B	TRACK TO ELECTRODE (MIN)	6.10" [155mm]
C	TRACK TO ELECTRODE (MAX)	14.00" [356mm]
D	OSCILLATION STROKE	1.90" [48mm]
E	ELECTRODE TO FRONT	1.88" [48mm]
F	RADIAL CLEARANCE*	5.71" [145mm]
G	MANUAL TORCH ADJUSTMENT	+/- 1.50" [38mm]
H	AVC STROKE	1.50" [38mm]
J	LEAD / LAG	+/- 15 DEGREES
K	TILT	+/- 15 DEGREES
L	TRACK WIDTH	3.33" [85mm]
M	MANUAL CENTER ADJUSTMENT	6.00" [152mm]

Specifications

- Travel speed: 0 to 20IPM [0.5m/min]
- Arc Voltage Control (AVC) stroke: 1.5" [38mm]
- Manual vertical torch adjustment: 3.5" [89mm]
- Torch oscillation/steering stroke: 1.9" [48mm]
- Telescoping torch extension: 0" to 6" [152mm]
- Torch tilt, lead/lag: +/- 15 degrees
- Torch tilt, in/out: +/- 15 degrees
- Cable Length: 35ft [11m]
- Weight: 25lbs [11kg] (without cable or wire)
- OD welding range: 2" [51mm] to infinity
- ID welding range: 20" [51cm] to infinity (requires ID adapter kit)
- Wire size range: 0.030" [0.8mm] to 0.062" [1.6mm]

Physical Characteristics

- Wire Feeders: 100IPM [2.5m/min] or 400IPM [10m/min], single or dual
- Wire Spools: 4" or 8", single or dual
- Wire Nozzle Adjustment (up/down, left/right): manual (only dual) or motorized (single or dual)
- Torch Options: Conventional or Narrow Groove

Options

- Hot Wire (requires GoldTrack®VI with Hot Wire Option)
- Weld Monitoring Cameras (c/w motorized iris, water cooled housing; requires Liburdi FireView™ Console or Camera Control Module)
- ID Adapter Kit
- Wire Straightener
- Extension Cables



Liburdi Dimetrics GoldTrack®VI is the recommended power supply for the H Head Weld System.



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