



## 'Trackless' Low Clearance Pipe Welding Head

### ***J Head***

The J Head was first developed to meet the industry need for a lightweight weld head for low clearance applications, particularly for boiler tube and power generation applications.

Designed specifically for smaller diameter pipe applications, where the radial and axial clearances are restricted, the "J weld head" requires a radial clearance between pipes with a diameter range of 1.5" (38mm) to 6.7" (170mm) O.D. In this

compact space, the J Head provides a full function orbital TIG weld with travel, wire feed, oscillation and AVC functions.

The 200 amp water-cooled torch makes this weld head suitable for pre-heated pipe work.



**Weld Quality Starts in the Arc**

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## Standard Features

- Water cooled 200 Amp 100% duty cycle torch
- Servo controlled AVC, Travel, Wire Feed, and Oscillation
- Compatible with Liburdi Dimetrics P300 and Gold Track®VI full function welding systems
- Direct drive travel and top-loading electrode provide quick and easy set-up
- State-of-the-art gas delivery with clear shield cup for excellent arc visibility and gas coverage
- Adjustable lead/lag torch angle
- Horizontal and vertical adjustment wire entry
- Complete with carry case

## Physical Characteristics

- Radial Clearance: 1.5" (38 mm)  
[1.75" (44 mm) with track]
- Axial Clearance: 8.75" (222mm) with Oscillation fully retracted  
9.75" (247mm) with Oscillation fully extended

## Standard Configuration

- Electrode: 0.093" (2.4 mm)  
Wire Size: 0.035" (0.8 mm)



## Axis

- AVC Axis Travel: 1.25" (32 mm)  
Oscillation/  
Steering Travel: 0.70" (18 mm)  
Travel Axis Speed: 0.1 - 20 IPM  
Wire Feed Speed: 1 - 75 IPM

## \*Optional Accessories

- Track set-up for 0.5" (13 mm) to 1.5" (38 mm) O.D. applications
- Fillet weld attachments
- Video weld monitoring



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With up to 300 Amps of welding current and a multi-servo computer controller, 'Liburdi Dimetrics' P300 GTAW Portable Welding System is ideal for demanding Tube and Pipe applications.

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