

## **All-Around Choice for Tube-to-Tube or Pipe-to-Pipe Welding**

### ***MH115 & MH170***

Highly flexible, the MH series GTAW (TIG) weld heads can be used to weld tubing and pipework in a variety of industries.

These open frame, adjustable, weld heads accommodate outside diameters ranging from 1" to 6.625" (25 mm - 170 mm). The weld heads can also operate with or without wire feed.

The many design benefits include:

- a three jawed chuck with replaceable clamshells to ensure a secure fit with a high degree of clamping accuracy,
- a quick release feature that permits fast mount and dismount from the work,
- cross seam and vertical torch height adjusters that can be manually adjusted during welding, and
- an adjustable torch angle allowing flange and socket welds to be carried out simply and effectively.

The MH series of weld heads is also designed for excellent reliability thanks to a simplified design and minimal spare parts.



**Weld Quality Starts in the Arc**

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# MH115 & MH170

## Standard Features

- Flexible weld diameter range
- Used with tube and pipe applications with and without wire
- High degree of clamping accuracy
- Quick release weld head design for fast mount and dismount
- Adjustable torch position during welding
- Adjustable torch angle for flange and socket welds
- Designed for performance reliability and minimal spare parts.

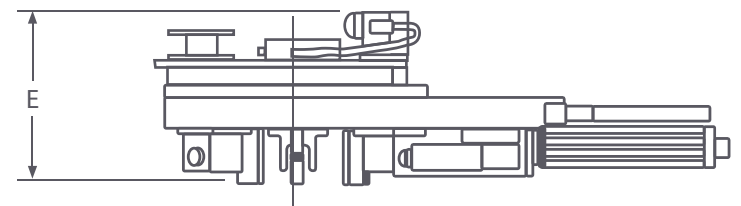
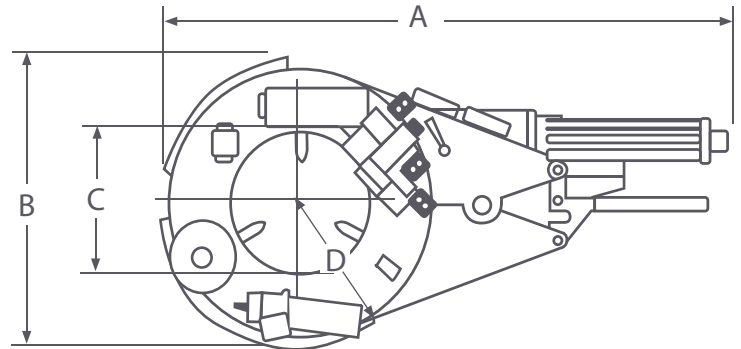
A = Overall Head Length

B = Overall Basic Head Width (Diameter of Top Plate)

C = Diameter of Clearance Hole in Top Plate

D = Minimum Clearance Radius

E = Minimum Height



## Physical Characteristics

MH - 115 TACH:		MH - 170 TACH:
17-7/8 in (454 mm)	<b>A</b>	20-1/2 in (515 mm)
8 in (203 mm)	<b>B</b>	11-1/2 in (292 mm)
4-11/16 in (119 mm)	<b>C</b>	7-1/4 in (184 mm)
5-1/2 in min.	<b>D</b>	Depends on wire feed
6-3/4 in min.	<b>E</b>	6-1/2 in. Depending on wire feed

## Torch Characteristics

Torch Adjustment Range:	0° to 45°
Electrode:	3/32" Tungsten (standard)
Radial Adjustment (with roller follower):	MH115 - 1/2" (13mm); MH170 - 1/4" (6mm)
Axial Adjustment:	1/2" (13mm)
Current Rating:	200 Amps @ 60% Duty Cycle

## MH-115

Maximum Clamping size: 4.5 in. (115 mm)  
Minimum Clamping size: 1.0 in. (25.4 mm)

Jaw Sets:

- D - 0.188 in. (4.8 mm)
- F - 0.688 in. (17.5 mm)
- H - 1.250 in. (31.8 mm)
- J - 1.812 in. (46.0 mm)

## Travel Speed

**MH115**  
6-7.5 RPM

**MH170**  
5 RPM

## Wire Feed Characteristics

**MH - 115 (optional) MH - 170 (standard)**

Spool Size:	2.5" (64mm) diameter with 1" (25mm) hub	
Wire Diameter:	0.035" (0.89mm) steel wire	
Wire Feed Rates:	Voltage	Rate (per minute)
	24 volts	33" (838mm)
	12 volts	14" (356mm)
	6 volts	5" (127mm)



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

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