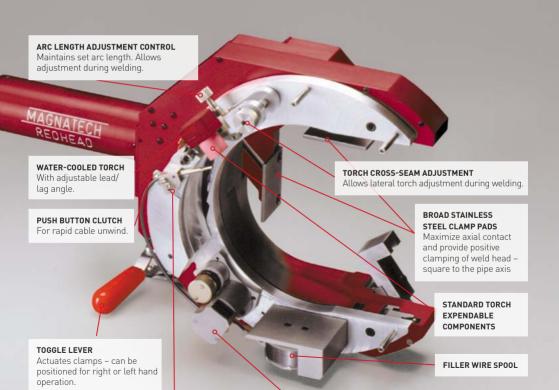


REDHEAD WELD HEADS 427A / 428A 429A

MAGNATECH



3-AXIS POSITION ADJUSTMENT FOR FILLER WIRE NOZZLE

(Vertical, horizontal, angular)

INTEGRAL FILLER WIRE FEEDER
Provides positive, uniform wire feed speed.

(Separate floor mounted feeder not required)

427A 428A 429A REDHEAD

ORBITAL WELD HEADS FOR FUSION AND WIRE FEED WELDING OF PIPE

Magnatech Redheads are designed to make pipe-to-pipe and pipe-to-fitting welds with precision and repeatability. Redheads can be used for fusion welding, or with filler wire addition – an integral headmounted feeder is standard on all models. Three models cover the size range of 12.7 to 168 mm (0.5 to 6.625") OD. Digital technology forever eliminates the need for periodic calibration – rotation and wire speed remain accurate regardless of wear, and heads can be interchanged without time-consuming recalibration.



MOUNTING

The Weld Head mounts entirely on one side of the joint, allowing use on pipe-to-pipe and pipe-to-fitting welds.





CLAMPING

MICROMETER FINE ADJUST-MENT ON CLAMP

Provides rapid Adjustment for Pipe O.D. Variation

ENGRAVED SCALE CLAMP ADJUSTMENT FOR PIPE O.D. (METRIC OR INCH)



TORCH ROTATION

Uniform torch rotation is ensured by a chain and sprocket drive using a precision stainless steel bearing assembly that is immune to heat.



REDHEAD 427A 428A 429A

Options

- Extension Cables
- Fillet/Socket Weld Kit
- Extended Clamping Range Kit R-2 allows welding down to 21mm (0.84 inch) OD
- Extended Clamping Range Kit R-3 allows welding down to 50 mm (2 inch) OD

Applications

- Pharmaceutical
- Sanitary (Hygienic) Process Piping
- Food Processing/Dairy

- Brewery Tubing
- Power Generation
- Chemical







R-3 (MODEL 429A)

Specifications

Application	Orbital GTAW welding of pipe-to-pipe, pipe-to-fittings			
Pipe (tube) OD size range	13 – 38 mm (0.5 – 1.5")	33 – 90 mm (1.315 – 3.5")	90 – 168 mm (3.5 – 6.625")	
Filler wire module CE standards adopted	Wire size: 0.8 mm (0.03") Max. speed capability: 1900 mm/min. (75 IPM) Spool size: 0.16 kg (0.35 lbs)			
Arc gap control module	Mechanical, adjustable			
Torch propulsion module	0 – 4.0 rpm	0–1.5 rpm	0–0.6 rpm	
Water-cooled torch	200 A continuous			
Torch adjustment capability	Torch lead/lag adjustment: ± 15 degrees (manual) Torch tilt adjustment: Requires optional socket weld kit			
Cable length	7.6 m (25') standard. Extension cables available.			
Power supply compatibility	Tubemaster 514, Pipemaster 515, Pipemaster 516			

427A 428A 429A REDHEAD

Dimensions/weights

	R-1 (MODEL 427A) R-2	R-2 (MODEL 428A)	R-3 (MODEL 429A)
Weight	3.9 kg (8.5 lbs.)	5.4 kg (12 lbs.)	9.0 kg (20 lbs.)
Axial Clearance (Torch C/L to Rear Extremity) (A)	127mm (5.0")	127mm (5.0")	127mm (5.0")
Axial Clearance (Torch C/L to Front Extremity) (B)	10mm (0.41")	10mm (0.41")	10mm (0.41")
Width (C)	140mm (5.5")	191mm (7.5")	280mm (11.0")
Radial Clearance Requirement (D)	[140mm (5.5") – Pipe 0.D.] ÷ 2 = Radial Clearance	[191mm (7.5") – Pipe O.D.] ÷ 2 = Radial Clearance	[280mm (11") – Pipe O.D.] ÷ 2 = Radial Clearance

