

E HEAD 441

ORBITAL WELD HEAD FOR FUSION AND WIRE FEED GTAW PIPE WELDING

The Magnatech E Head is designed to make pipe-to-pipe and pipe-to-fitting welds. The E Head can be used for fusion welding, or with filler wire addition – an integral head-mounted feeder is standard. Interchangeable guide rings provide mounting on the pipe, and allow the E Head to cover a broad size range. The E Head improves productivity by increasing duty cycle, reducing repair rates, and producing welds of consistent quality.

- Generates high quality welds
- Rugged and compact design

E HEAD 441

TORCH CROSS-SEAM ADJUSTMENT

ARC GAP ADJUSTMENT

TORCH CROSS-SEAM POSITION
& ARC GAP CONTROL
Mechanically controlled.

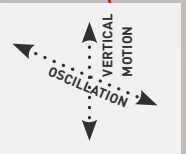
WATER-COOLED TORCH
300 A.

INTEGRAL FILLER WIRE FEEDER

The compact head-mounted wire feeder is electronically controlled for accurate and repeatable filler wire delivery.

3-AXIS POSITION ADJUSTMENT FOR FILLER WIRE NOZZLE

Multiple adjustments allow precise positioning of filler wire entry into the weld puddle.



SPECIFICATIONS

Application	Orbital GTAW welding of pipe-to-pipe, pipe-to-fittings. Fusion/wire feed capable	
Cable length	8 m (25') standard. Extension cables available	
Pipe (tube) size	44 – 356 mm (1.75 – 14")	
Filler wire feeder	Wire size:	0.8, 0.9, 1.0 mm (.030", .035", .040")
	Speed capability:	2500 mm/min. (100 ipm)
	Spool size:	1 kg (2 lbs)
Cross seam adjustment	± 9.5 mm (± .375")	
Arc gap control stroke	13 mm (0.5")	
Rotation speed	250 mm/min. (10 ipm)	
Water cooled torch	Amperage capability	200 A continuous
Torch adjustment capability	Torch lead/lag adjustment:	± 15 degrees (manual)
	Torch tilt adjustment:	± 10 degrees (manual)