

Externax

EXTERNAX IS SERIMAX'S EXTERNAL FULLY-AUTOMATED WELDING CLAMP AND PIPE ALIGNMENT DEVICE DESIGNED TO DELIVER HIGH QUALITY WELDING FOR TIE-INS AND ENHANCE PRODUCTIVITY ON THE CRITICAL PATH.



ENHANCE PRODUCTIVITY AND REDUCE PROJECT COSTS

- Increase productivity by reducing fit-up and welding time on tie-ins by 40%
- Fully automated welding process for enhanced root to cap integrity
- Tele operated work environment for improved safety standards



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Equipment Description Range

- Minimum outer diameter (OD): 5.1" (130 mm)
- Overall dimension: 950 mm in length

Equipment Main Description

- 4" - 14" Overall dimension (L x l x h): 1550mm x 1550mm x 900mm
- 4" - 14" Weight: 550kg
- 12" - 20" Overall dimension (L x l x h): 1650mm x 1650mm x 900mm
- 12" - 20" Weight: 620kg
- Operating temperature: -40°C (-40°F) to 50°C (122°F)
- Bevels: narrow gap J type & API V type bevels
- Fully-automated welding clamp

Pipe Diameter Capacity

- OD min: 6.63" / 168.5mm

Welding Position Capacity

- 5G (S lay, Landlines)
- 6G (Fabrication, J-lay)

Process Specific Capacity

- STT GMAW
- Single or dual (P) GMAW

Welding speed

- 20 to 150 cm/min

Material Weldability

- Carbon steel (from grade A to x 100)
- CRA - inconel basis
- CRA - Stainless steel basis
- CRA - Duplex / Superduplex basis

Power Supply Requirements

- Power: 70 kVA - 440 AC three phase + 220 Vac single phase - 50/60 Hz
- Air supply: 7 bars dried and filtered
- Hydraulics: HPU embedded
- Shielding gas: 2 gas mix (Ar - He) or 3 gas mix (Ar - He - CO₂)



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