



OVERVIEW

The Polygon is a three-in-one machine used to fabricate miter and butt fusion joints from zero- to 45-degree angles with additional socket fusion capability for polypropylene pipe. It is McElroy's first manual butt fusion machine that is compatible with the DataLogger®, providing documentation that joints were fused according to standard.

The mitring options are designed to meet the unique complexities of mechanical piping installations and retrofits, saving time and costs on purchasing molded or fabricated fittings. The outer jaws are easily removable for tighter work spaces. The Polygon easily adapts to socket fusion by swapping out the jaws with an optional Spider™ 125 Series 2 Adapter Kit. A stable base makes this versatile machine ideal for prefabrication and benchtop use.

FEATURES

- Produces miter, butt and socket fusion joints
- Pivoting jaws for faster, easier setup and better alignment
- Easily removable outer jaws for tighter work spaces
- Quick open/close, non-back-drivable wheel drive for smooth jaw movement
- Side-positioned wheel drive for easier movement of the carriage
- Power required only for the heater; battery-operated drill powers the facer
- First manual butt fusion machine with DataLogger capability
- Sturdy travel case for easy transport of entire machine and accessories
- Easy-to-view pressure gauge
- Uses the same inserts as the Acrobat™ 160

SPECIFICATIONS

CAPACITY

Fuses Pipe Sizes: Miter and butt fusion for 63mm – 160mm (2" – 6")
..... Socket fusion for 63mm - 125mm (2" - 4")

MODEL

A729801: Low Force, 120V machine package
A729802: Low Force, 240V machine package
A729805: Low Force, 120V machine package and Spider 125 Series 2 Jaw Adapter Kit

POWER

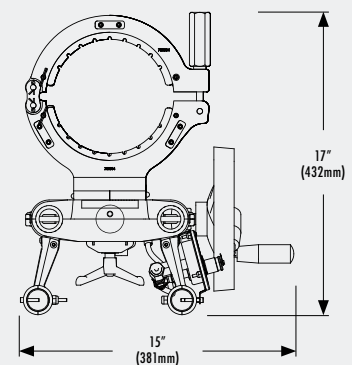
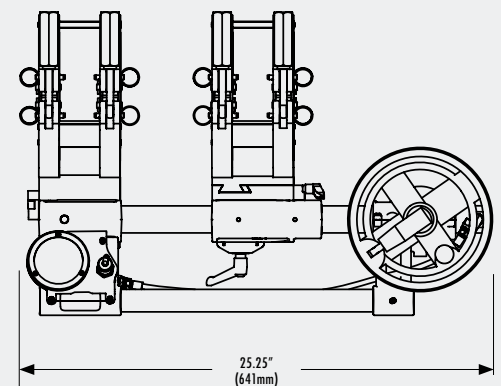
Heater Power: 1,600 Watt

HYDRAULICS

Maximum Gauge Pressure: 400.PSI

WEIGHT

Machine: 50.7 lbs. (23 Kg)
Heater: 16.3 lbs. (7.4 Kg)
Facer: 17.5 lbs. (7.9 Kg)



POLYGON

INCLUSIONS

Package includes Polygon fusion machine, 125mm inserts, heater, facer with drill motor, spare battery and charger, heater/facer stand and shipping case. Specifications subject to change without notice.