

POLYGON™ LT

20MM - 110MM (½" - 3 ½")

MADE FOR
MECHANICAL
HVAC
PLUMBING



ABOUT POLYGON

McElroy's Polygon™ line of machines are the premier lightweight solution for fusing polypropylene pipe and fittings. They are the first manual butt fusion machines that are DataLogger® compatible. Two models are available to provide a lightweight, simple, fusion solution on the jobsite. Each model includes a manually-powered fusion carriage and a battery-operated drill to power the facer. The only power required is for the 1,600-watt heater. This helps minimize the amount of extra power equipment needed onsite and simplifies the working space.

POLYGON LT

The Polygon LT is based on the design platform and operation of the original Polygon and butt fuses 20mm to 110mm pipe. The Polygon LT is capable of fusion pressures up to 250 PSI on all pipe sizes within its operating range. A specially-designed drive screw allows for multiple inches of carriage travel per drive wheel rotation, providing the ability to meet fast open and close times as needed. This drive mechanism also includes a new internal spring and shaft brake, giving operators precise control of low fusion pressures, with the ability to lock in place. A smaller facer and heater allow for facing the smallest pipe sizes, and a mounting system for the jaws allows operators to change to thin jaws for special fittings.

STANDARD FEATURES

- Quick-clamp, pivoting jaws for faster, easier setup
- Quick open/close, non-back-drivable wheel drive for smooth jaw movement
- Drive mechanism includes new internal spring and shaft brake, providing fine control of low fusion pressure and the ability to lock it in place
- Capable of up to 250 psi fusion pressure
- Power required only for the heater; battery-operated drill powers the facer
- DataLogger® compatible
- Side-positioned wheel drive
- Sturdy travel case for easy transport of entire machine and accessories



DataLogger
COMPATIBLE

SPECIFICATIONS

MODELS		POWER		INCLUDES
A04P0978372	Low Force, Polygon LT Package	Heater	100-120V, 1,200 Watts	
		Facer	100-120V, 20V Battery	
		Heater Plug type	NEMA 5-15P	
WEIGHTS		MACHINE DIMENSIONS		
Machine	30.7 lbs. (13.9 Kg)	Machine Length	24.8" (629.9mm)	
Heater	6.1 lbs. (2.8 Kg)	Machine Width	16.3" (414mm)	
Facer	18.3 lbs. (8.3 Kg)	Machine Height	14.6" (370.8mm)	
HYDRAULICS				
System Pressure	250 PSI (17.2 BAR)			
Fusion Pressure	250 PSI (17.2 BAR)			