



Hornet™

# THE NEW TOOLS OF THE TRADE



**McELROY**

POLYPROPYLENE  
PIPE FUSION TOOLS  
& ACCESSORIES

# THE FUTURE OF FUSION IS COMING

**POLYGON™** - THE ONE TOOL TO GET THE JOB DONE



**POLYGON PACKAGES**

**A730001** 120V  
**A730002** 240V

INCLUDES CARRIAGE, HEATER,  
FACER (WITH DRILL MOTOR) AND  
125mm INSERTS.

THE NEW **POLYGON** FROM MCELROY ALLOWS INSTALLERS THE FLEXIBILITY TO COMPLETE MITER, BUTT AND SOCKET FUSIONS - ALL WITH THE SAME MACHINE. ITS SIMPLE DESIGN AND LIGHT WEIGHT MAKE IT THE IDEAL PREFABRICATION TOOL ON 63mm TO 160mm POLYPROPYLENE PIPE JOBSITES. BY PERFORMING MITERED FUSIONS ON SITE, OPERATORS CAN EASILY TACKLE THE COMPLEXITIES UNIQUE TO MECHANICAL APPLICATIONS, SAVING TIME AND COSTS ON PURCHASING MOLDED OR FABRICATED FITTINGS.

AVAILABLE TO ORDER NOW!

**M McELROY**  
mcelroy.com

PATENTS PENDING

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# THE LEADER IN THERMOPLASTIC PIPE FUSION

The name McElroy is recognized as the most reliable, efficient, rugged and technically advanced pipe fusion equipment in the world. Founded in 1954, McElroy has grown from a two-person start-up to the industry leader in the science of joining thermoplastic pipe.

Through years of manufacturing fusion equipment, we've learned a few things. From the beginning, we made the decision to strive for excellence in customer satisfaction and have settled for nothing less. Over the years, we've improved upon our product offerings based on the input and needs of our customers. It is through that close relationship that we have developed innovative new tools built specifically for the polypropylene fusion market. Designed to be used anywhere in the world, McElroy equipment and tooling are ideal for joining a wide range of polypropylene pipe and fittings.

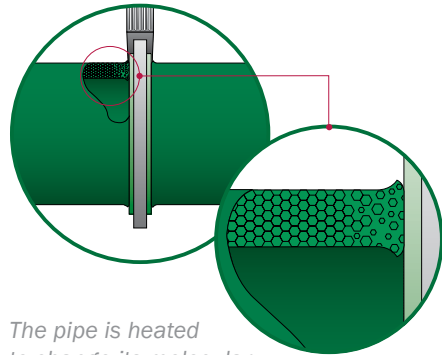
McElroy's focus on innovation has always spurred growth. We have expanded countless times over the years. Each expansion had one primary aim - gain the physical space needed to bring our inventions to life and better meet our customers' demands. Today, McElroy has combined manufacturing and assembly facilities in excess of 575,000 square feet.

Our investment in state-of-the-art technology and commitment to quality work translates to productivity in the field. Rest assured we stand behind our equipment and our customers. **For Distribution, Service and Support . . . make it a McElroy.**



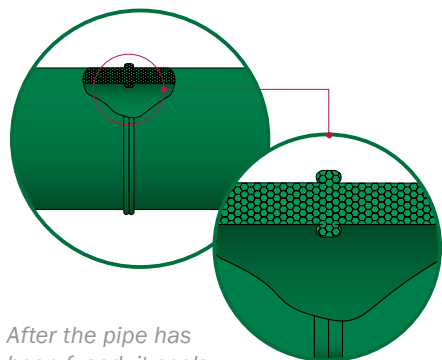
# THE THEORY OF HEAT FUSION

The principle of heat fusion is to heat two surfaces to a designated temperature, and then fuse them together by application of force. This develops pressure which causes flow of the melted materials, which causes mixing and fusion. When the thermoplastic pipe is heated, the molecular structure is transformed from a crystalline state into an amorphous condition. When fusion pressure is applied, the molecules from each pipe end mix.



The pipe is heated to change its molecular structure to an amorphous state making it a very pliable material.

As the joint cools, the molecules return to their original form, the original interfaces are gone, and the two pipes have become one monolithic pipe.



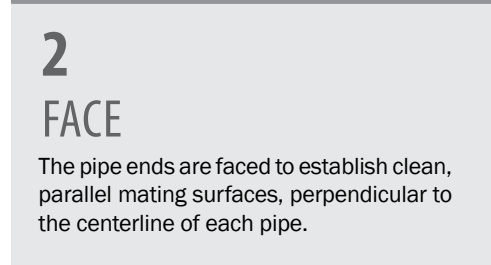
After the pipe has been fused, it cools and returns to its original structure, creating one, monolithic pipe.

# THE FUSION PROCESS



## 1 CLAMP

The pipe pieces are held axially to allow all subsequent operations to take place.



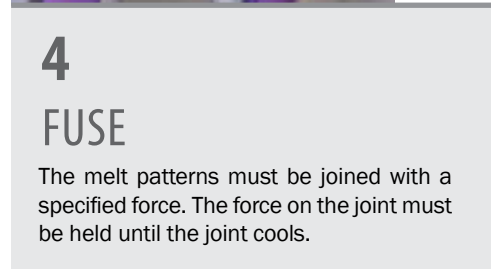
## 2 FACE

The pipe ends are faced to establish clean, parallel mating surfaces, perpendicular to the centerline of each pipe.



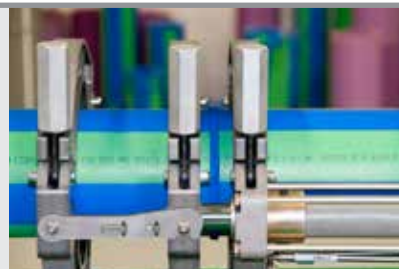
## 3 HEAT

A melt pattern, that penetrates into the pipe, must be formed around both pipe ends.



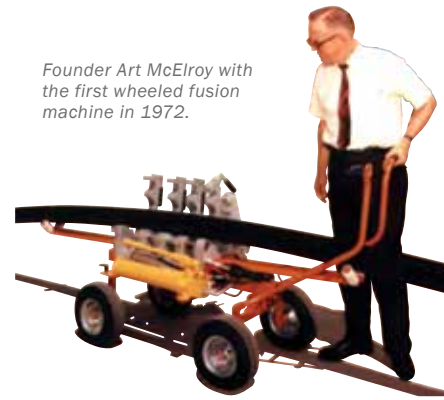
## 4 FUSE

The melt patterns must be joined with a specified force. The force on the joint must be held until the joint cools.



# THE McELROY ADVANTAGE

Founder Art McElroy with the first wheeled fusion machine in 1972.



## DURABILITY & PERFORMANCE

**Superior Design** – McElroy prides itself on building the toughest and longest lasting fusion machines in the world. With proper maintenance, many McElroy machines built in the 1970's are still operating today. They are designed to be used anywhere in the world and at interfacial pressures from 15psi to 150psi (1 BAR to 10 BAR). For ease of use, McElroy has incorporated many lightweight aluminum components. Critical components such as facers, jaws and inserts are surface hardened so they last for years. Facers have sealed bearings for long life and minimal maintenance. These features combine to provide quality products that have the McElroy Advantage.



## QUALITY: JOINT AFTER JOINT

**Even Fusion Force** – Centerline Guidance is a balanced force system. This patented feature is incorporated in all McElroy butt fusion machines. The centerline of the pipe clamping jaw is on the same plane as the pipe's centerline. The force being applied during fusion passes through the center of the pipe, giving an equal distribution of force around the diameter of the pipe. This results in an even, continuous bead formation.



## TRAINING: ON-SITE, IN-CLASS, OR ONLINE

McElroy understands that a fully trained and qualified crew can help the bottom line on any project. That's why for more than 30 years, McElroy has offered basic and advanced fusion training on machine operation, machine maintenance and rebuild, as well as customized training at McElroy's facilities, your location, or in the field.

## WORLD-CLASS SERVICE & SUPPORT

With McElroy, you get the industry's most reliable fusion equipment and technical support. McElroy has a global distributor network offering our products through an international network of sales and authorized service center locations. Providing our customers around the globe with the tools to succeed is our number one priority. We are proud that our network can provide you with local service, training and product support.

## McELROY'S INTERNATIONAL NETWORK OF REPS & DISTRIBUTORS

McElroy products are offered through an international network of sales and authorized service center locations that provide our customers around the globe with the tools to succeed.

To find a distributor near you, visit [www.mcelroy.com](http://www.mcelroy.com) or call us at: 918-831-9229

## INDUSTRY-LEADING WARRANTY

McElroy Manufacturing, Inc. (McElroy) warrants all products manufactured, sold and repaired by it to be free from defects in materials and workmanship, its obligation under this warranty being limited to repairing or replacing at its factory and new products, within 5 years after shipment, with the exception of purchased items (such as electronic devices, pumps, switches, etc.), in which case that manufacturer's warranty applies. Warranty applies when

returned freight is prepaid and which, upon examination, shall disclose to have been defective. This warranty does not apply to any product or component which has been repaired or altered by anyone other than McElroy or has become damaged due to misuse, negligence or casualty, or has not been operated or maintained according to McElroy's printed instructions and warnings. This warranty is expressly in lieu of all other warranties expressed or implied. The

remedies of the Buyer are the exclusive and sole remedies available and Buyer shall not be entitled to receive any incidental or consequential damages. Buyer waives the benefit of any rule that disclaimer of warranty shall be construed against McElroy and agrees that such disclaimers herein shall be construed liberally in favor of McElroy.



**Safety** - At McElroy, your safety is our number one priority. All of our equipment, literature and training classes are strictly designed with the operators safety in mind. Never operate machinery until you have read the manual completely, and understand the safety and operation sections of your manual. Your safety and the safety of others depends upon care and judgment in the operation of the equipment. All product manuals and assembly drawings are available for downloading from our website at [www.mcelroy.com](http://www.mcelroy.com)



McElroy understands that a fully trained and qualified crew can increase the bottom line on any construction project. That's why since 1981, McElroy has offered basic and advanced fusion training designed for efficiency, productivity and safety.

### OPERATOR TRAINING AND QUALIFICATION

McElroy University Operations classes help students of all levels to develop and refine fusion skills on McElroy equipment. With an instructional mix of 30% classroom and 70% hands-on, students learn not only the basic mechanics of machine operations but the theory behind it for an overall understanding. Students take a written/hands-on qualification test. Testing is based on domestic and international qualification standards, along with the instruction students receive during operator training. This test serves as an indicator of their knowledge of industry standards, and their pipe fusion skill set.



### ONLINE RESOURCES

Now you can easily capitalize on the resources and knowledge base of McElroy at the office, in the field, or wherever you are, with **McElroy University Online**. At [www.mcelroy.com/university](http://www.mcelroy.com/university) you can view videos on fusion operations and machine troubleshooting and rebuild on your computer, smartphone or tablet device.



### CUSTOM TRAINING

In addition to the standard courses, we offer training customized to fit your unique needs. This training can be conducted at our facility in Tulsa, at your location or on the jobsite. Instruction is available in multiple languages.

### LEARN MORE AND ENROLL TODAY

Multiple classes are offered in various machine sizes. For complete descriptions of each class and a training schedule, visit our website at [www.mcelroy.com/university](http://www.mcelroy.com/university)

# FUSION MACHINES

FOR 16mm TO 630mm  
POLYPROPYLENE PIPE

## MACHINE SELECTION CHART

	16mm (3/8")	20mm (1/2")	25mm (3/4")	32mm (1")	40mm (1 1/4")	50mm (1 1/2")	63mm (2")	75mm (2 1/2")	90mm (3")	110mm (3 1/2")	125mm (4")	160mm (6")	200mm (8")	250mm (10")	315mm (12")	355mm (14")	400mm (16")	450mm (18")	500mm (20")	560mm (22")	630mm (24")	
<b>Socket Fusion Kits</b>																						
<b>Hornet™</b>																						
<b>SmartFab™ 125</b>																						
<b>Spider™ 125 Series 2</b>																						
<b>Polygon™*</b>																						
<b>Acrobat™ 160</b>																						
<b>Acrobat™ 250</b>																						
<b>Rolling &amp; TracStar® 250 Series 2</b>																						
<b>Acrobat™ 315</b>																						
<b>Rolling &amp; TracStar® 412 Series 2</b>																						
<b>Rolling, TracStar® Series 2 &amp; Pit Bull® 618</b>																						
<b>Acrobat™ 355*</b>																						
<b>Acrobat™ 400*</b>																						
<b>TracStar® 500 Series 3</b>																						
<b>Acrobat™ 450*</b>																						
<b>Acrobat™ 500*</b>																						
<b>MegaMc® 824 Series 2</b>																						
<b>TracStar® 630 Series 2</b>																						
<b>Acrobat™ 560*</b>																						
<b>Acrobat™ 630*</b>																						

\* See website for latest updates

Imperial pipe sizes are nominal diameters

# SOCKET FUSION KITS

FUSION CAPABILITY FOR 16mm-125mm (3/8" - 4") POLYPROPYLENE PIPE

McElroy **Socket Fusion Kits** are perfect for installing fittings for pipe diameters from 16mm to 125mm. These tools are designed specifically to socket fuse all major brands of polypropylene pipe and fittings. These convenient kits for both heaters and socket adapters give you the components needed to efficiently complete your socket fusion job.

+ Two heater stands provide three mounting options: Toolbox, bench or freestanding

Custom toolbox + organizes, stores and protects individual tools

+ Durable, Teflon-coated socket adapters

Microprocessor-controlled + heater precisely sets and monitors temperature



## PACKAGES

**ASW30001** 120V

**ASW30101** 240V



### 20-63mm SOCKET FUSION KIT

Includes 16-63mm socket heater, 20-63mm Socket Adapter Kit, storage box, socket adapter tray, heater sling, heater bench mount, heater support frame, depth gauge tool, and 1/4" Allen driver.

**ASW30401**



### 20-125mm SOCKET HEATER ADAPTER KIT

Includes 20-125mm socket heater adapters, storage box, socket adapter tray, depth gauge tool, and 1/4" Allen driver.

**ASW20201** 120V

**ASW20202** 240V



### SMALL HEATER KIT

Includes 16-63mm socket heater, heater sling, heater support frame, heater bench mount, and 1/4" Allen driver.

**ASW20301** 120V

**ASW20302** 240V



### LARGE HEATER KIT

Includes 16-125mm socket heater, heater sling, heater support frame, heater bench mount, and 1/4" Allen driver.

## ACCESSORIES & REPLACEMENT PARTS FOR SOCKET FUSION

**20-50mm DEPTH GAUGE/ CHAMFER TOOLS & COLD RING TOOLKIT**  
ASW23201



**SOCKET STORAGE BOX**  
Storage box for socket tooling and accessories. Includes universal storage tray. **ASW15905**



**ROTARY PIPE CUTTERS**  
Easily cut pipe up to 125mm.  
10-90mm **MMD00087**  
63-125mm **MMD00092**

**RACHET SHEAR**  
Cuts up to 42mm pipe.  
**MMD00088**



**LARGE HEATER AUXILIARY HANDLE KIT**  
Handle assist for large adapters. **SW02807**



**HEATER SUPPORT FRAME**  
Mount for top of toolbox to hold heater. **238901**



**HEATER BENCH-MOUNT ASSEMBLY**  
Mount to attach heater to tabletop or bench. **239301**

**HEATER ADAPTER SETS**



PIPE SIZE	PART NO.
20-63mm	<b>ASW30201</b>
63-125mm	<b>ASW30301</b>



**DEPTH GAUGE TOOL**  
Aids in marking appropriate depth for socket fusions. **SW22303**

**INDIVIDUAL HEATER ADAPTERS**



PIPE SIZE	PART NO.	PIPE SIZE	PART NO.
16mm	<b>SW23550</b>	63mm	<b>SW23556</b>
20mm	<b>SW23551</b>	75mm	<b>SW23557</b>
25mm	<b>SW23552</b>	90mm	<b>SW23558</b>
32mm	<b>SW23553</b>	110mm	<b>SW23559</b>
40mm	<b>SW23554</b>	125mm	<b>SW23560</b>
50mm	<b>SW23555</b>		



**HEATER OUTLET HEAD SETS**

Used to heat pipe and fitting. All adapters have an anti-stick coating.

MAIN SIZE	OUTLET SIZE	PART NO.	MAIN SIZE	OUTLET SIZE	PART NO.	MAIN SIZE	OUTLET SIZE	PART NO.
40mm	20mm/25mm	<b>MA0050614</b>	125mm	20mm/25mm	<b>MA0050636</b>	200mm	20mm/25mm	<b>MA0050660</b>
50mm	20mm/25mm	<b>MA0050616</b>		32mm	<b>MA0050638</b>		32mm	<b>MA0050662</b>
63mm	20mm/25mm	<b>MA0050619</b>		40mm	<b>MA0050640</b>		50mm	<b>MA0050666</b>
	32mm	<b>MA0050620</b>	50mm	<b>MA0050642</b>	63mm	<b>MA0050668</b>		
75mm	20mm/25mm	<b>MA0050623</b>	160mm	63mm	<b>MA0050644</b>	250mm	20mm/25mm	<b>MA0050672</b>
	32mm	<b>MA0050624</b>		20mm/25mm	<b>MA0050648</b>		32mm	<b>MA0050674</b>
	40mm	<b>MA0050625</b>		32mm	<b>MA0050650</b>		40mm	<b>MA0050676</b>
90mm	20mm/25mm	<b>MA0050627</b>	160mm	40mm	<b>MA0050652</b>	315mm	50mm	<b>MA0050678</b>
	32mm	<b>MA0050628</b>		50mm	<b>MA0050654</b>		63mm	<b>MA0050680</b>
	40mm	<b>MA0050629</b>		63mm	<b>MA0050656</b>		63mm	<b>MA0050690</b>
110mm	20mm/25mm	<b>MA0050631</b>	160mm	75mm	<b>MA0050657</b>	355mm	63mm	<b>MA0050712</b>
	32mm	<b>MA0050632</b>		90mm	<b>MA0050658</b>			
	40mm	<b>MA0050634</b>						
	50mm	<b>MA0050635</b>						



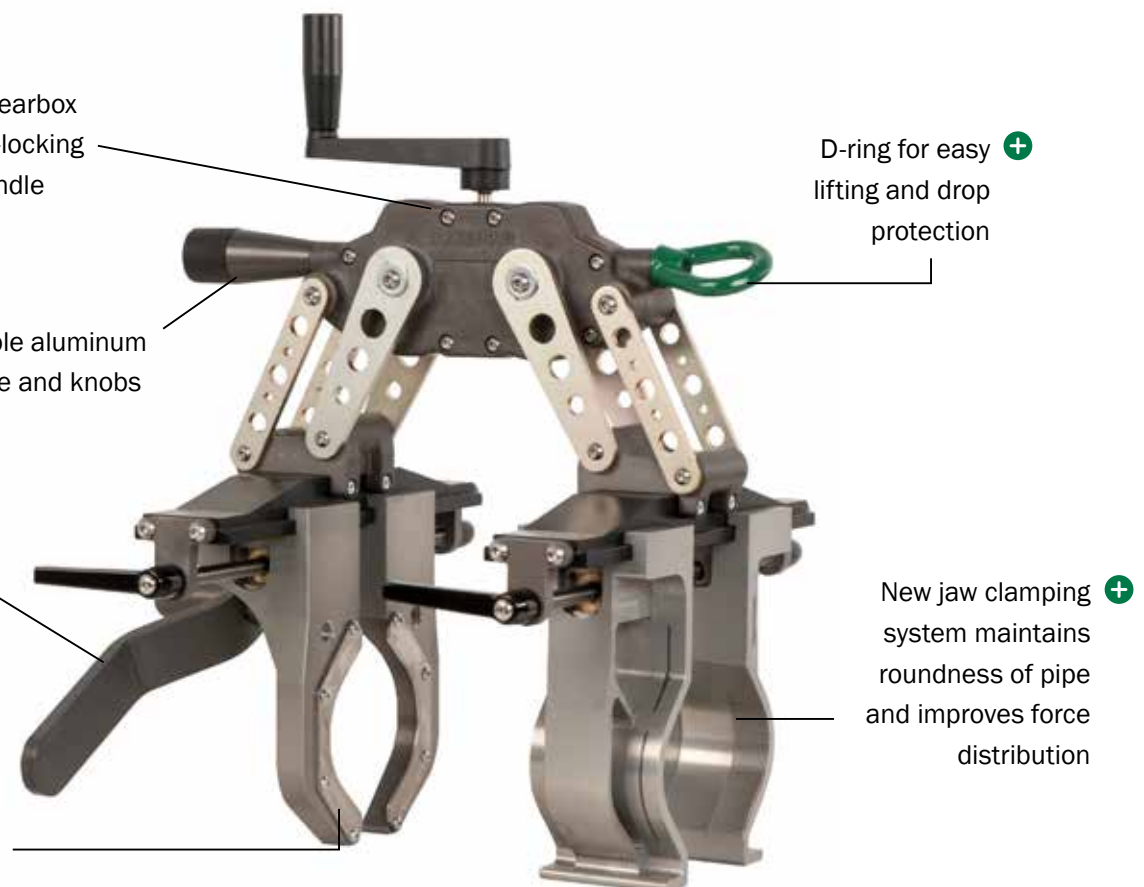
**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

# SPIDER™ 125 SERIES 2

FUSION CAPABILITY FOR 63mm-125mm (2"- 4") POLYPROPYLENE PIPE Patents pending

The **Spider 125 Series 2** is the preferred equipment for quick and accurate socket fusion of polypropylene pipe and fittings from 63mm to 125mm. One operator can efficiently align, heat, fuse and cool the pipe. With a lightweight and compact design, the Spider is ideal for performing socket fusions overhead, vertically and other tight spaces from the ceiling to the floor.

FUSION MACHINES



+ Strong gearbox and self-locking drive handle

D-ring for easy lifting and drop protection

+ Durable aluminum handle and knobs

+ Fitting support bar to ensure proper alignment and even fusion

New jaw clamping system maintains roundness of pipe and improves force distribution

+ Removable fitting stops for added support and fusion capability

## MACHINE FEATURES

PACKAGE **A467601**



**EASY & ACCURATE SOCKET FUSION** The innovative jaw clamping system is self-centering, maintains roundness of pipe, improves force distribution, and eliminates the need for inserts.



**FITS ALL PIPE BRANDS & FITTINGS** The Spider 125 Series 2 is made for all pipe from 63mm-125mm, including PP-R and the newest generation PP-RCT. These materials are leak-free and corrosion-free.



**NON BACK-DRIVEABLE** A redesigned gear box provides long life and smooth operation with non-back-driveable gears that self-lock, ensuring that pressure is smoothly maintained throughout the fusion process for a quality joint.



**FITTING SUPPORT** A new removable fitting support bar is also incorporated to secure the fitting — ensuring proper alignment and an even fusion.



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

## SPIDER™ 125 SERIES 2 SPECIFICATIONS

**Spider 125 Series 2 package includes** fusion machine and soft-sided carrying case. Specifications are subject to change without notice.

PACKAGE	
Spider 125 Series 2	A467601
GEAR RATIO	
Mechanical Advantage	20-to-1
WEIGHT	
Machine	18 lbs. (8.2 Kg)
DIMENSIONS	
	Length (Open) 16.3" (414mm)
	Length (Closed) 14" (356mm)
	Width 14.6" (371mm)
	Height 18.3" (465mm)
	Stroke Length 7.7" (196mm)

## ACCESSORIES & REPLACEMENT PARTS FOR SPIDER 125 SERIES 2



**SMALL HEATER KIT**  
16-63mm socket heater, heater sling, heater support frame and heater bench mount.

120V	ASW20201
240V	ASW20202



**LARGE HEATER KIT**  
16-125mm socket heater, heater sling, heater support frame and heater bench mount.

120V	ASW20301
240V	ASW20302



PIPE SIZE	PART NO.
20-63mm	ASW30201
63-125mm	ASW30301



**DEPTH GAUGE TOOL**  
Aids in marking appropriate depth for socket fusions. SW22303



**LARGE HEATER AUXILIARY HANDLE KIT**  
Handle assist for large adapters. SW02807



**SOFT-SIDED CARRY BAG**  
Protect, store and transport inserts and accessories. 24" x 12.5" x 17.5" MJQ00648

**HEATER SUPPORT FRAME**  
Mount for top of toolbox to hold heater. 238901



**HEATER BENCH-MOUNT ASSEMBLY**  
Mount to attach heater to tabletop or bench. 239301

**RACHET SHEAR**  
Cut up to 42mm pipe. MMD00088



10-90mm	MMD00087
63-125mm	MMD00092

Visit [www.mcelroy.com](http://www.mcelroy.com) to view more fusion machines, accessories, and productivity tools.

# SMARTFAB™ 125

FUSION CAPABILITY FOR 20mm-125mm (1/2" - 4") POLYPROPYLENE PIPE

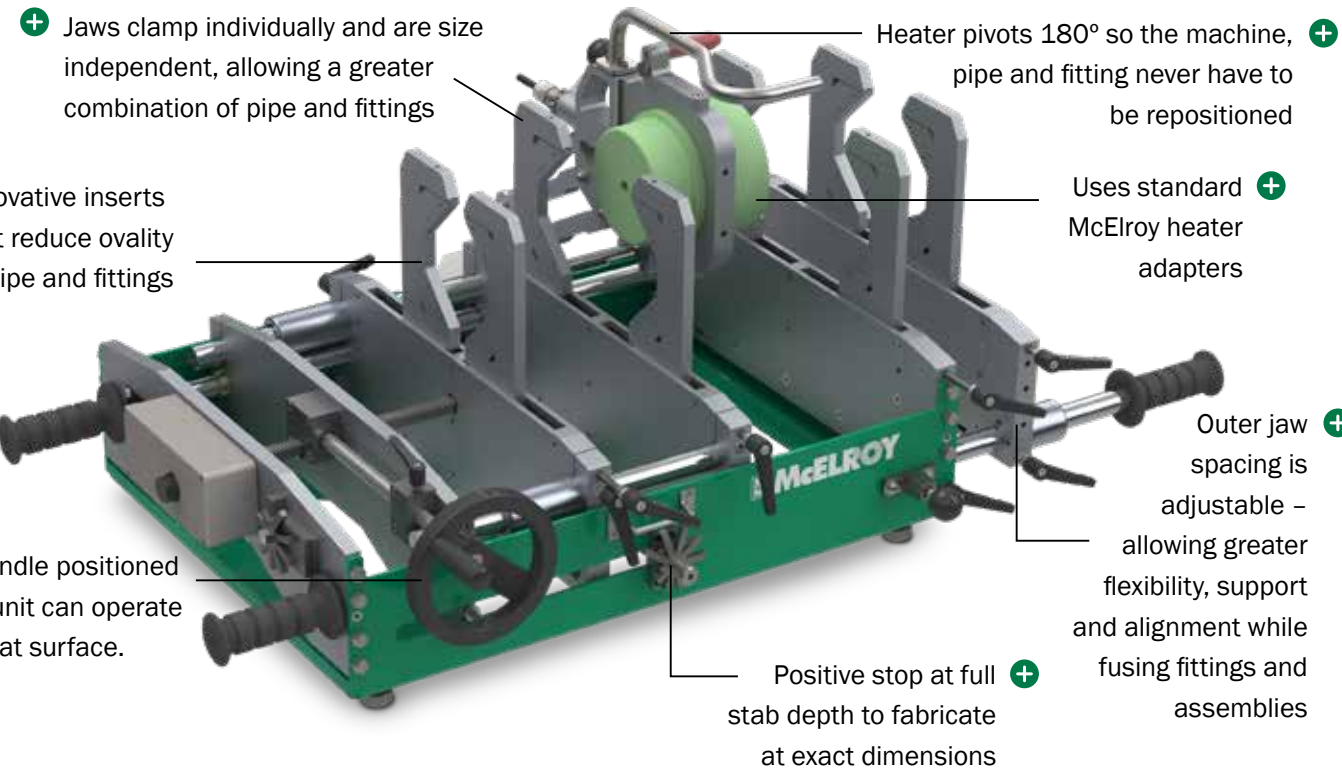
McElroy has created a smarter way to socket fuse pipe and fittings for polypropylene piping systems with the SmartFab 125 benchtop machine. Its portable design allows it to be positioned on any flat surface for precise prefabrication,

providing versatility in the shop as well as the field.

Advanced features of the SmartFab 125 provide more efficiency with innovative inserts that reduce ovality in pipe and fittings. The heater pivots to easily

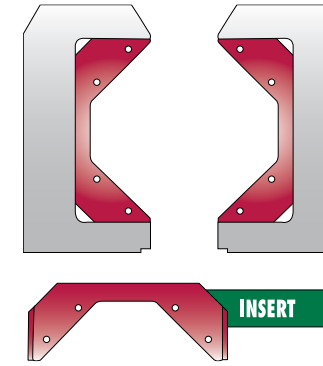
accommodate fittings situated on either side of the machine, which eliminates having to reposition the entire machine. Its four jaws adjust to any desired spacing and each jaw clamps individually to the desired pipe and fitting size.

FUSION MACHINES



## INSERTS

Our inserts have been surface-hardened for longer life. All inserts are serrated for maximum grip on the pipe. Inserts are made for pipe ranges below.



## COMPLETE INSERT SET

INSERT SIZE	PIPE OD	PART NO.
170mm - 17mm	6.7" - .66"	458405*

## INDIVIDUAL INSERTS

INSERT SIZE	PIPE OD	PART NO.
170mm - 95mm	6.7" - 3.75"	458406
95mm - 50mm	3.75" - 1.5"	458407
50mm - 28mm	1.5" - 1.1"	458408
28mm - 17mm	1.1" - .66"	458409

All inserts below snap into machine jaws

SET = 8 INSERTS

\* Included with machine package

## SMARTFAB™ 125 SPECIFICATIONS

SmartFab 125 package includes fusion machine, 20-125mm heater adapters, 17-170mm inserts, adapter storage box and shipping container. Specifications are subject to change without notice.

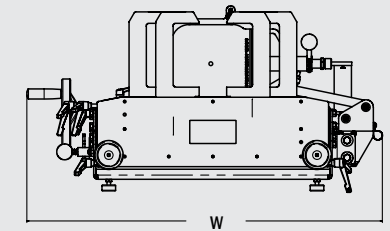
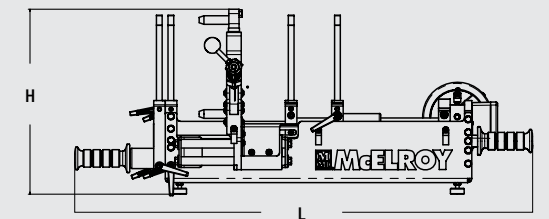
### PACKAGES

120V SmartFab 125	A460301
240V SmartFab 125	A460302

### WEIGHT

Machine	145 lbs (65.8 Kg)
---------	-------------------

### DIMENSIONS



	Heater Retracted	Heater Extended
Width	30.8" (782.3mm)	38" (965.2mm)
Length	40.1" (1,019.2mm)	40.1" (1,019.2mm)
Height	16" (406mm)	20.5" (520.7mm)

## MACHINE FEATURES

PACKAGES

A460301 120V

A460302 240V



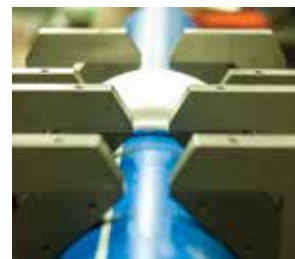
### INNOVATIVE INSERTS

The SmartFab 125's unique insert design snaps into place easily and reduces ovality in pipe and fittings.



### PIVOTING HEATER

The SmartFab 125 heater rotates 180° to eliminate repositioning of the pipe, fitting or machine.



### INDIVIDUALLY CLAMPING JAWS

The SmartFab 125 jaws clamp individually and are size independent, allowing for a greater combination of pipe and fittings.



### USES MCELROY HEATER ADAPTERS

The SmartFab 125 utilizes the entire range of anti-stick, Teflon-coated heater adapters.



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

# ACCESSORIES & REPLACEMENT PARTS FOR SMARTFAB™ 125 MACHINES



**SOCKET STORAGE BOX**  
Storage box for heater adapters and inserts.  
**ASW15905**

**HEATER SLING**  
Protects heater and helps maintain a constant temperature.  
**SW08601**



**SHIPPING CONTAINER**  
Protects and transports machine, and storage box.  
**SED00125**



**63-125mm ROTARY PIPE CUTTER**  
Easily cut pipe from 63-125mm. **MMD00092**



**DEPTH GAUGE TOOL**  
Aids in marking appropriate depth for socket fusions.  
**SW22303**



**PYROMETER**  
Accurately checks surface temperatures of heater. **A218804**

**POLYPORTER®**  
Designed to aid in lifting of the pipe as well as perform as a pipe stand.  
**864201**



**PIPE SUPPORT STAND**  
Adjustable pipe stand to properly support, position and align pipe to be fused.  
**906501**



**HEATER ADAPTER SETS**



PIPE SIZE	PART NO.
20-63mm	<b>ASW30201</b>
63-125mm	<b>ASW30301</b>

**TYPE "PP" ADAPTER SETUP KIT**  
Setup blocks and depth star for SmartFab. Used when replacing previous model Q or D heater adapters with new "PP" style. **A464901**

**INDIVIDUAL HEATER ADAPTERS**



PIPE SIZE	PART NO.	PIPE SIZE	PART NO.
16mm	<b>SW23550</b>	63mm	<b>SW23556</b>
20mm	<b>SW23551</b>	75mm	<b>SW23557</b>
25mm	<b>SW23552</b>	90mm	<b>SW23558</b>
32mm	<b>SW23553</b>	110mm	<b>SW23559</b>
40mm	<b>SW23554</b>	125mm	<b>SW23560</b>
50mm	<b>SW23555</b>		

# HORNET™

OUTLET FUSION FOR 20mm – 63mm (½" – 2") BRANCHES ON MAINS UP TO 630mm

The **Hornet** is an industry-first, all-in-one tool for outlet fusion. It brings an innovative alternative to manual outlet fusion methods that is more productive, repeatable and reliable than ever before. The Hornet's patent-pending design allows

it to self-align on the center of the pipe while a guided carriage facilitates the drilling of the outlet hole and fusion of the fitting – keeping everything perfectly aligned without repositioning the machine. With a small footprint and weighing

just 13 pounds, the Hornet is capable of performing in any orientation – making it ideal for overhead and vertical fusions in tight spaces. The Hornet works with existing McElroy socket heaters and fusion outlet adapters for polypropylene pipe.

+ Quick-change drill and fitting adapter for efficient fusions

+ Anodized aluminum wear surfaces for corrosion resistance

+ Self-centering base design ensures fusion operations align on center of pipe

Carriage position lock for convenience while operating

Rack-and-pinion drive for smooth operation

Integrated ratchet strap allows operation across wide range of pipe sizes



## MACHINE FEATURES

PACKAGES **ASW25001**



**LIGHTWEIGHT AND COMPACT** With a small footprint and weighing just 13 pounds, the Hornet is capable of performing outlet fusions in any orientation – making it ideal for overhead and vertical fusions in tight spaces.



**REPEATABLE, RELIABLE AND EFFICIENT** One operator can automatically align the machine on the center of the main pipe thanks to the self-centering, "V-base" design.



**UNIQUE DESIGN KEEPS EVERYTHING ALIGNED** The Hornet self-aligns on the center of the main pipe. The guided carriage makes it easy to drill the outlet hole and complete the fusion without repositioning - keeping everything aligned and producing more accurate fusions.



**USES EXISTING MCELROY SOCKET HEADS AND HEATERS** Works with all McElroy saddle fusion outlet heads for polypropylene pipe from 20mm to 630mm. It utilizes small McElroy heaters that feature a micro-processor control and dial thermometer for precise temperature.

Patents pending



# ACCESSORIES & REPLACEMENT PARTS FOR HORNET™ MACHINES

FUSION MACHINES



**SOCKET STORAGE BOX**  
Storage box for heater adapters and inserts. **ASW15905**



**DEPTH GAUGE TOOL**  
Aids in marking appropriate depth for socket fusions. **SW22303**



**ROTARY PIPE CUTTERS**  
Easily cut pipe up to 125mm.  
10-90mm **MMD00087**  
63-125mm **MMD00092**

**RATCHET SHEAR**  
Cut up to 42mm pipe. **MMD00088**



**HEATER OUTLET HEAD SETS**  
Used to heat pipe and fitting. All adapters have an anti-stick coating.

MAIN SIZE	OUTLET SIZE	PART NO.
40mm	20mm/25mm	<b>MA0050614</b>
50mm	20mm/25mm	<b>MA0050616</b>
63mm	20mm/25mm	<b>MA0050619</b>
	32mm	<b>MA0050620</b>
75mm	20mm/25mm	<b>MA0050623</b>
	32mm	<b>MA0050624</b>
	40mm	<b>MA0050625</b>
90mm	20mm/25mm	<b>MA0050627</b>
	32mm	<b>MA0050628</b>
	40mm	<b>MA0050629</b>
110mm	20mm/25mm	<b>MA0050631</b>
	32mm	<b>MA0050632</b>
	40mm	<b>MA0050634</b>
	50mm	<b>MA0050635</b>
125mm	20mm/25mm	<b>MA0050636</b>
	32mm	<b>MA0050638</b>
	40mm	<b>MA0050640</b>
	50mm	<b>MA0050642</b>
160mm	63mm	<b>MA0050644</b>
	20mm/25mm	<b>MA0050648</b>
	32mm	<b>MA0050650</b>
	40mm	<b>MA0050652</b>
200mm	50mm	<b>MA0050654</b>
	63mm	<b>MA0050656</b>
	75mm	<b>MA0050657</b>
250mm	90mm	<b>MA0050658</b>
	20mm/25mm	<b>MA0050660</b>
	32mm	<b>MA0050662</b>
315mm	50mm	<b>MA0050666</b>
	63mm	<b>MA0050668</b>
	20mm/25mm	<b>MA0050672</b>
355mm	32mm	<b>MA0050674</b>
	40mm	<b>MA0050676</b>
	50mm	<b>MA0050678</b>
	63mm	<b>MA0050680</b>
	63mm	<b>MA0050690</b>
	63mm	<b>MA0050712</b>



**SMALL HEATER KIT**  
16-63mm socket heater, heater sling, heater support frame and heater bench mount.  
120V **ASW20201**  
240V **ASW20202**



**PYROMETER**  
Accurately checks surface temperatures of heater. **A218804**



**HEATER SLING**  
Protects heater and helps maintain a constant temperature. **SW08601**



**HEATER BENCH-MOUNT ASSEMBLY**  
Mount to attach heater to tabletop or bench. **239301**

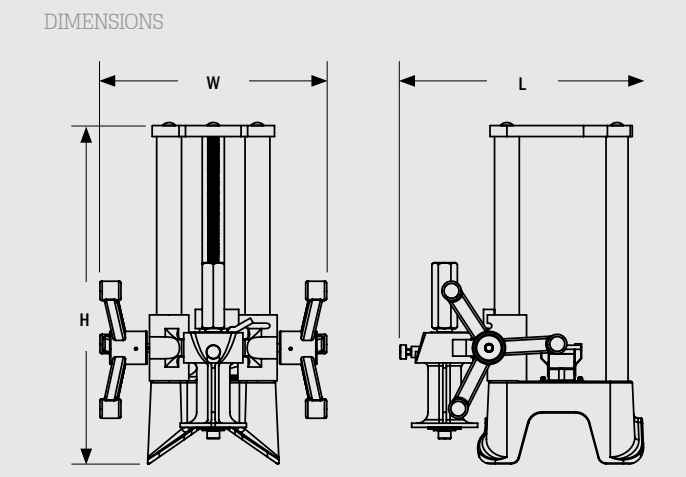


**HEATER SUPPORT FRAME**  
Mount for top of toolbox to hold heater. **238901**

## HORNET™ SPECIFICATIONS

**Hornet package includes** fusion machine, drill adapter, fitting adapter, ratchet strap, accessory case and carrying case. Drill not included. Cutters, heater and heater adapters sold separately. Specifications subject to change without notice

PACKAGE	
<b>Hornet</b>	<b>ASW25001</b>
CAPACITY	
<b>Branch Size</b>	20mm - 63mm
<b>Main Size</b>	40mm - 630mm
DRILL ADAPTER	
<b>Hex Drive</b>	1/4"
<b>Fits Drill Shank Sizes</b>	3/8" - 1/2"
WEIGHT	
<b>Machine</b>	11 lbs (5 Kg)



<b>Width</b>	11" (284mm)
<b>Length</b>	13.5" (343mm)
<b>Height</b>	15.5" (395mm)
<b>Stroke Length</b>	8" (206mm)

Visit [www.mcelroy.com](http://www.mcelroy.com) to view more fusion machines, accessories, and productivity tools.

# ACROBAT™ 160

FUSION CAPABILITY FOR 63mm-160mm (2"-6") POLYPROPYLENE PIPE

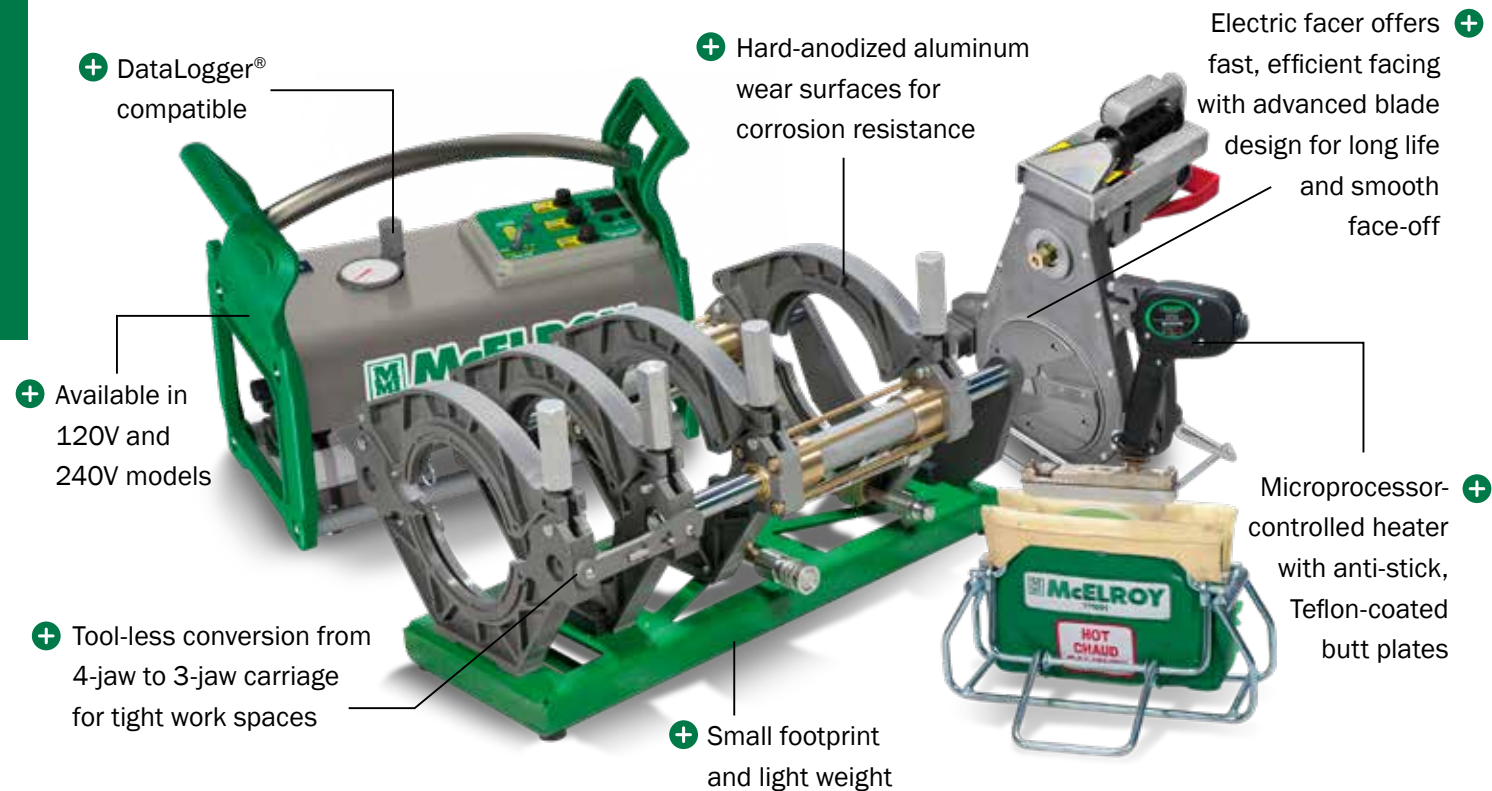
The **Acrobat 160** is a low-force fusion machine that allows operators to butt fuse pipe in tight work spaces. With its small footprint and optimal weight, it is an easy machine to manipulate when performing overhead fusions in tight

spaces as well as on the ground.

For even tighter spaces, the Acrobat 160 can be configured from 4 jaws to 3 jaws without using tools. It also comes with a Hydraulic Power Unit (HPU) and inserts for commonly butt-fused polypropylene

pipe sizes. The facer and heater can be loaded from the top or bottom (in the 3-jaw configuration) of the carriage giving the operator better access and flexibility regardless of the joining challenge.

FUSION MACHINES



+ DataLogger® compatible

+ Hard-anodized aluminum wear surfaces for corrosion resistance

+ Electric facer offers fast, efficient facing with advanced blade design for long life and smooth face-off

+ Microprocessor-controlled heater with anti-stick, Teflon-coated butt plates

+ Available in 120V and 240V models

+ Tool-less conversion from 4-jaw to 3-jaw carriage for tight work spaces

+ Small footprint and light weight

## MACHINE FEATURES

PACKAGES

**A714501** 120V

**A714502** 220-240V



### LIGHTWEIGHT

The Acrobat weighs just 40 pounds in the 4-jaw configuration. The carriage can be converted to 3-jaws, without the use of tools, lightening the load to a mere 29 pounds – making overhead fusions a breeze.



### FLEXIBLE TO MEET THE JOB DEMANDS

Thanks to the Acrobat's narrow jaw construction and compact package, flange-to-pipe, fitting-to-pipe and even fitting-to-fitting fusions can be done with ease.



### VERSATILE SHIPPING CONTAINER

A heavy-duty, reusable container is built to hold every component of the Acrobat package. It doubles as a durable worktable, allowing operators to raise the fusion machine to a comfortable working height.



### AVAILABLE IN A PRODUCTIVITY PACKAGE

For the contractor that wants to save time and money. Includes a foldable Machine Stand and two PolyPorters®.

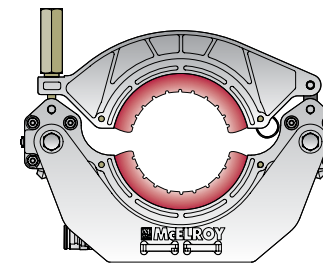
120V **A714201**  
240V **A714202**



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

## INSERTS

Our inserts have been surface-hardened for longer life. All inserts are serrated for maximum grip on the pipe. Inserts are made for one size pipe only.



**Note:** Other sizes of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs.

## BUTT FUSION INSERTS

INSERT SIZE	PIPE OD	PART NO.
All inserts below fit in 160mm (6") jaws		
150mm	150mm (5.90")	716828
5" IPS	141mm (5.56")	716814
125mm	125mm (4")	716802*
4" DIPS	122mm (4.80")	716824
4" IPS	114mm (4.50")	716816
110mm	110mm (4.33")	716804
3" DIPS	101mm (3.96")	716826
100mm	100mm (3.93")	716806
90mm	90mm (3")	716808
3" IPS	89mm (3.50")	716818
75mm	75mm (2.95")	716810
2 1/2" DIPS	73mm (2.88")	716820
63mm	63mm (2.48")	716812

SET = 8 INSERTS

\* Included with machine package

## ACROBAT™ 160 SPECIFICATIONS

**Acrobat 160 package includes** fusion machine, facer, heater, insulated heater stand, facer stand, Acrobat HPU (Hydraulic Power Unit), 125mm inserts and shipping container. Specifications are subject to change without notice.

### PACKAGES

<b>120V Acrobat 160</b>	<b>A714501</b>
<b>220-240V Acrobat 160</b>	<b>A714502</b>

POWER	120V Model	240V Model
<b>Input Voltage Req.</b>	120V, 60Hz, 1 Ph	220-240V, 50/60Hz, 1 Ph
<b>Heater</b>	1.2 kW	1.2 kW
<b>Facer</b>	.9 kVA / .7 kW	1.2 kVA / 1 kW
<b>HPU</b>	0.3 HP, 5.9 Amp	0.3 HP, 2.4 Amp
<b>Plug Type</b>	Nema 5-15	CEE 7/7

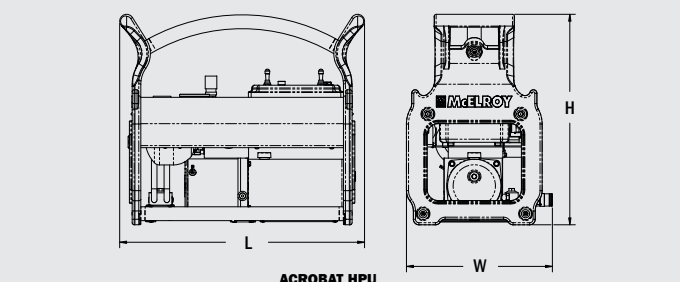
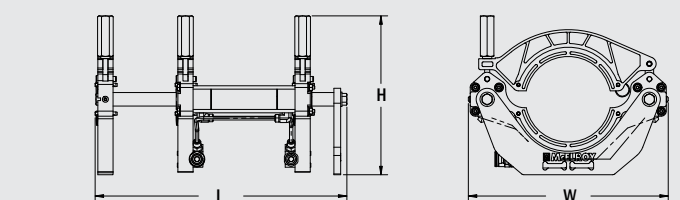
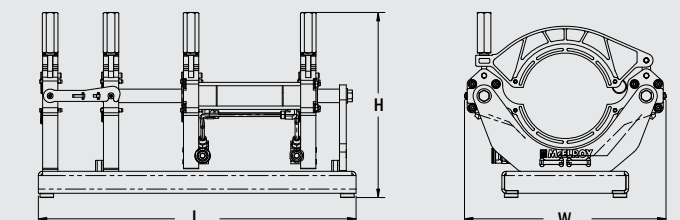
### WEIGHT

<b>4-Jaw Carriage</b>	40 lbs (18.1 Kg)
<b>3-Jaw Carriage</b>	29 lbs (13.2 Kg)
<b>Facer</b>	35 lbs (15.9 Kg)
<b>Heater</b>	14 lbs (6.4 Kg)
<b>HPU</b>	56 lbs (25.4 Kg)

### HYDRAULICS

<b>Max. Gauge Pressure</b>	400 PSI (27.6 BAR)
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### DIMENSIONS

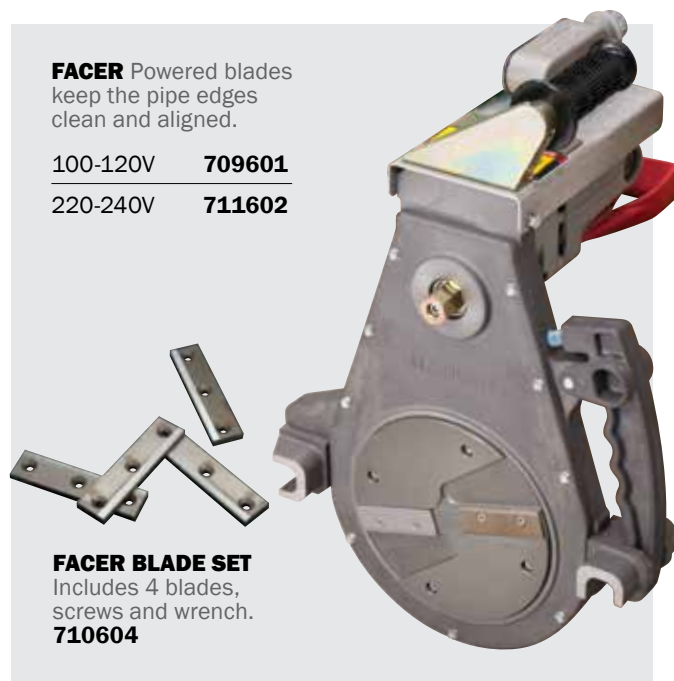


	4-Jaw Carriage	3-Jaw Carriage	HPU
<b>Width</b>	15" (381mm)	15" (381mm)	13.2" (335mm)
<b>Length</b>	23.5" (597mm)	19" (483mm)	22.1" (562mm)
<b>Height</b>	14" (356mm)	12" (305mm)	19" (482.6mm)

# ACCESSORIES & REPLACEMENT PARTS FOR ACROBAT™ 160 MACHINES

**FACER** Powered blades keep the pipe edges clean and aligned.

100-120V **709601**  
220-240V **711602**



**FACER BLADE SET**  
Includes 4 blades, screws and wrench. **710604**

**FACER STAND**  
Facer stand provides a convenient place to protect and store your facer. **711801**



**SHIPPING CONTAINER**  
Protects and transports machine, HPU, heater and facer. **714001**



**DATALOGGER® 6**  
Record and document fusion process parameters and details. **DL18001**



**63-125mm ROTARY PIPE CUTTER**  
Easily cut pipe from 63-125mm. **MMD00092**



**HEATER PLATE KIT**  
Plates have an anti-stick coating and are required for butt fusion. Kit includes 2 plates and screws. **A707901**

**HEATER STAND**  
Holds heater for easier carrying and protection. Heater bag helps to maintain a constant temperature. **712001**



**POLYPORTER®**  
Designed to aid in lifting of the pipe as well as perform as a pipe stand. **864201**



**PYROMETER**  
Accurately checks surface temperatures of heater. **A218804**



**LOW PROFILE ROLLERS** Aids by reducing drag and protecting the pipe from damage. Image shown is one set (2 rollers).

1 SET **A1867502**  
CASE (40 SETS) **A1867501**

**MACHINE STAND** Expands to a comfortable operation height and folds for easy transport and storage. **439001**



**PIPE SUPPORT STAND**  
Adjustable pipe stand to properly support, position and align pipe to be fused. **906501**



**HEATER**  
Microprocessor-controlled with dial thermometer.

100-120V **707701**  
220-240V **707602**



Visit [www.mcelroy.com](http://www.mcelroy.com) to view more fusion machines, accessories, and productivity tools.

# ACROBAT™ 250

FUSION CAPABILITY FOR 63mm-250mm (2"-10") POLYPROPYLENE PIPE

The Acrobat 250 has a compact design for easy maneuvering in tight work spaces specific to the polypropylene industry. To further reduce its footprint, the carriage can be configured from 4 to 3 jaws without tools. A single-size insert design can accommodate

a variety of pipe sizes, and its narrow jaws allow fusions to most flanges and fittings. The Acrobat 250 comes with a new, lightweight heater and guide rod latching system which eliminates holding the heater in place manually during overhead fusions.

Its ergonomic handlebar design makes it easy to use in different orientations, including overhead. The Acrobat is compatible with two impressive Hydraulic Power Units designed to meet the maximum system pressure desired on your jobsite.

+ Lightweight Hydraulic Power Unit (HPU) available in 120V or 240V models

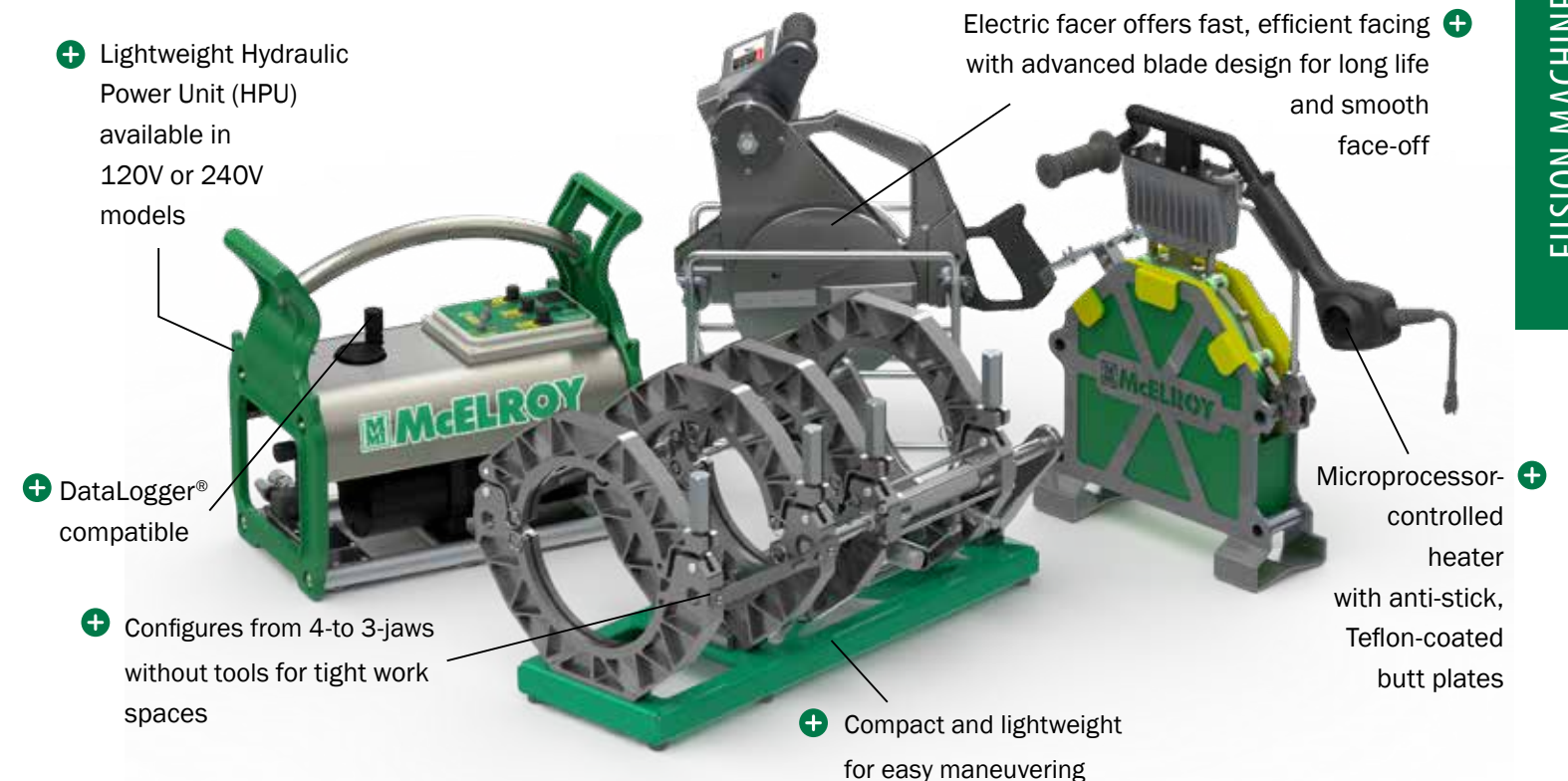
+ DataLogger® compatible

+ Configures from 4-to 3-jaws without tools for tight work spaces

+ Compact and lightweight for easy maneuvering

Electric facer offers fast, efficient facing with advanced blade design for long life and smooth face-off

+ Microprocessor-controlled heater with anti-stick, Teflon-coated butt plates



## MACHINE FEATURES



**LIGHTWEIGHT**  
The Acrobat weighs just 54 pounds in the 4-jaw configuration. The carriage can be converted to 3-jaw without any tools. This lightens the load to 38 pounds — making overhead fusions a breeze.



**FLEXIBLE TO MEET THE JOB DEMANDS** Thanks to the Acrobat's narrow jaw construction and compact package, flange-to-pipe, fitting-to-pipe and even fitting-to-fitting fusions can be done with ease.

PACKAGES **A2500101 120V** **A2500102 240V**



**VERSATILE SHIPPING CONTAINER** A heavy-duty, reusable container is built to hold every component of the Acrobat package. It doubles as a durable worktable, allowing operators to raise the fusion machine to a comfortable working height.



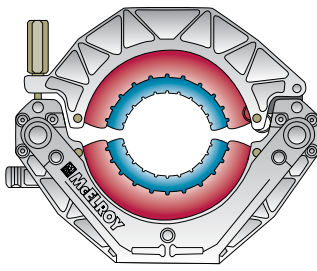
**PRESET PRESSURES**  
The intelligent design of all McElroy hydraulic machines allows the operator to pre-set the facing, heating and fusing pressures individually without having to make adjustments between operations — greatly streamlining the fusion process.



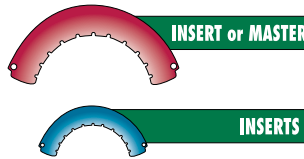
**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

## INSERTS

Our inserts have been surface-hardened for longer life. All inserts are serrated for maximum grip on the pipe. Inserts are made for one size pipe only.



**Note:** Other sizes of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs.



## BUTT FUSION INSERTS

INSERT SIZE	PIPE OD	PART NO.
<i>All inserts below fit in 250mm (9.84") jaws</i>		
8" DIPS	230mm (9.05")	2503816
225mm	225mm (8.85")	2503819
8" IPS	219mm (8.63")	2503817
200mm Master	200mm (8")	2503813 *
180mm	180mm (7.08")	2503818
6" DIPS	174mm (6.90")	2503814
6" IPS	168mm (6.63")	2503815
160mm Master	160mm (6")	2503812 *

\* Included with machine package

*All inserts below require 160mm (6") Masters*

150mm	150mm (5.90")	716828
5" IPS	141mm (5.56")	716814
125mm	125mm (4")	716802
4" DIPS	122mm (4.80")	716824
4" IPS	114mm (4.50")	716816
110mm	110mm (4.33")	716804
3" DIPS	101mm (3.96")	716826
100mm	100mm (3.93")	716806
90mm	90mm (3.54")	716808
3" IPS	89mm (3.50")	716818
75mm	75mm (2.95")	716810
2 1/2" DIPS	73mm (2.87")	716820
63mm	63mm (2.48")	716812

SET = 8 INSERTS

## ACROBAT™ 250 SPECIFICATIONS

**Acrobat 250 package includes** fusion machine, facer, heater, insulated heater basket, facer stand, HPU, 200mm and 160mm inserts and shipping container. Specifications are subject to change without notice.

PACKAGES		
<b>120V Acrobat 250</b>	<b>A2500101</b>	
<b>240V Acrobat 250</b>	<b>A2500102</b>	

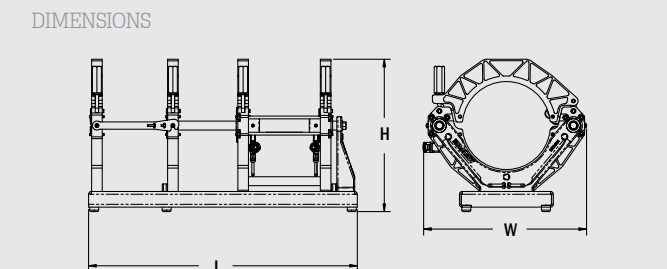
  

POWER	120V Model	240V Model
<b>Input Voltage Req.</b>	120V, 50/60Hz, 1 Ph	220-240V, 50/60Hz, 1 Ph
<b>Heater</b>	1.75kW	3 kW
<b>Facer</b>	10 Amp	5 Amp
<b>Acrobat HPU</b>	0.3 HP, 5.9 Amp	0.3 HP, 2.4 Amp
<b>Plug Type</b>	Nema 5-15	CEE 7/7

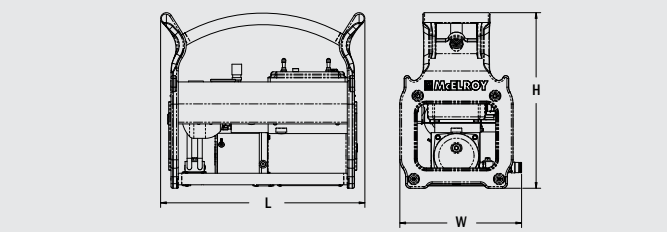
  

WEIGHT	
<b>4-Jaw Carriage</b>	53.6 lbs (24.3 Kg)
<b>3-Jaw Carriage</b>	38.1 lbs (17.3 Kg)
<b>Facer</b>	39.8 lbs (18.1 Kg)
<b>Heater</b>	20 lbs (9.1 Kg)
<b>Acrobat HPU</b>	56 lbs (25.4 Kg)

HYDRAULICS	
<b>Max. Gauge Pressure</b>	800 PSI (55.2 BAR)



	4-Jaw Carriage	3-Jaw Carriage
<b>Width</b>	18.25" (464mm)	18" (457mm)
<b>Length</b>	30.1" (765mm)	21.1" (536mm)
<b>Height</b>	17" (432mm)	14.75" (375mm)



HPU	
<b>Width</b>	13.2" (335mm)
<b>Length</b>	22.1" (562mm)
<b>Height</b>	19" (482.6mm)

## ACCESSORIES & REPLACEMENT PARTS FOR ACROBAT™ 250 MACHINES

**FACER** Powered blades keep the pipe edges clean and aligned.

100-120V	<b>900801</b>
220-240V	<b>900901</b>

**FACER BLADE SET** Includes 4 blades, screws and wrench. **710606**

**FACER STAND** Facer stand provides a convenient place to protect and store your facer. **T801101**



**SHIPPING CONTAINER** Protects and transports machine, HPU, heater and facer. **2511001**

**63-125mm ROTARY PIPE CUTTER** Easily cut pipe from 63-125mm. **MMD00092**

**DATALOGGER® 6** Record and document fusion process parameters and details. **DL18001**



**HEATER PLATE KIT** Plates have an anti-stick coating and are required for butt fusion. Kit includes 2 plates and screws. **A2504901**

**HEATER STAND** Holds heater for easier carrying and protection. Heater bag helps to maintain a constant temperature. **2501001**



**POLYPORTER®** Designed to aid in lifting of the pipe as well as perform as a pipe stand. **864201**



**PYROMETER** Accurately checks surface temperatures of heater. **A218804**



**LOW PROFILE ROLLERS** Aids by reducing drag and protecting the pipe from damage. Image shown is one set (2 rollers).

1 SET **A1867502**  
CASE (40 SETS) **A1867501**

**PIPE SUPPORT STAND** Adjustable pipe stand to properly support, position and align pipe to be fused. **906501**



**HEATER** Microprocessor-controlled with dial thermometer.

100-120V	<b>2500701</b>
220-240V	<b>2500702</b>

**DYNAMIC® HPU** Hydraulic Power Unit compatible with the Acrobat line of machines. 1500 PSI max gauge pressure.



120V, 60Hz, 1Ph **1272701**

220-240V, 50/60Hz, 1Ph **1272703**

# ROLLING 250

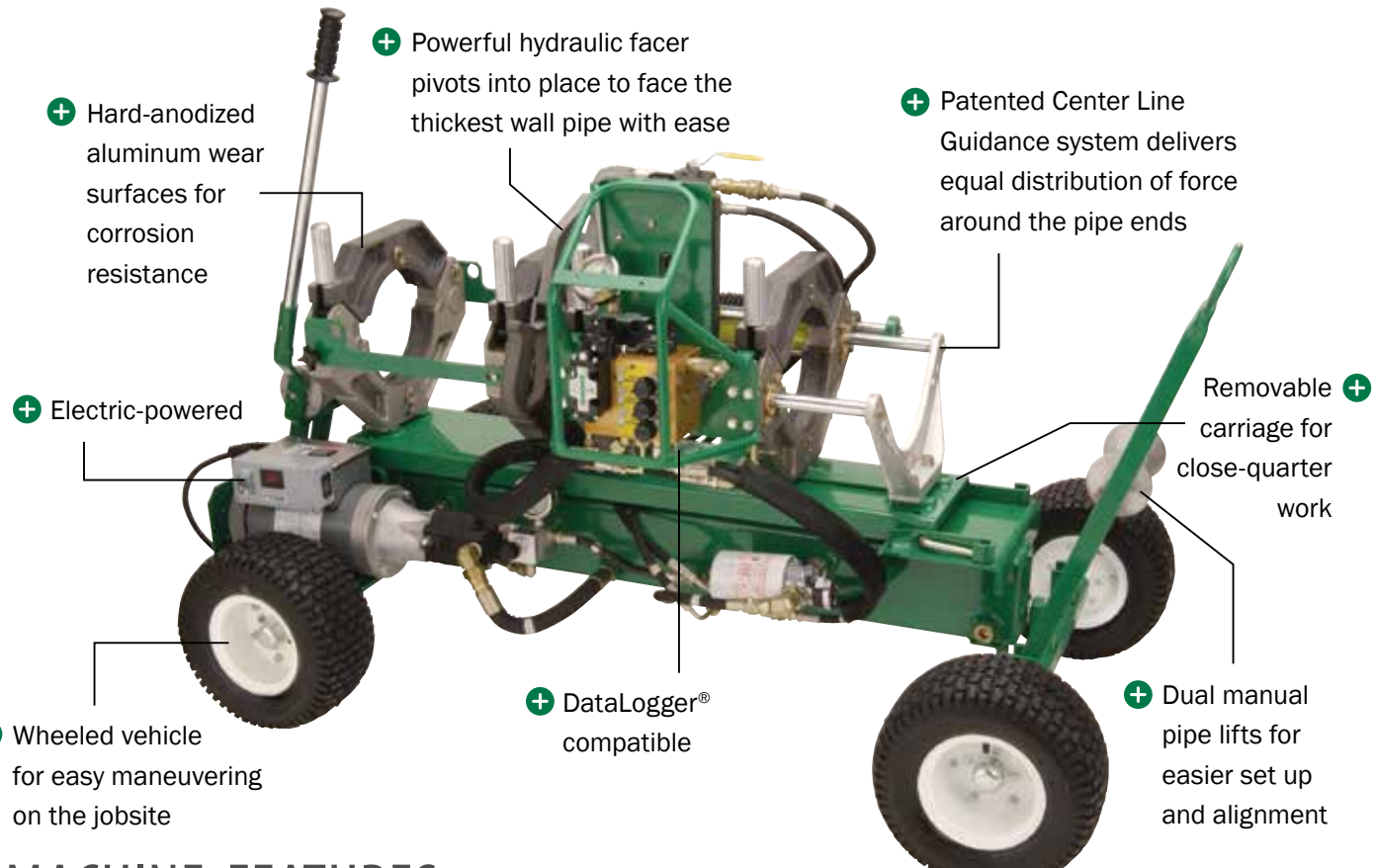
BUTT FUSION CAPABILITY FOR 125mm-250mm (4"-10") POLYPROPYLENE PIPE

The **Rolling 250** model's ease of use, and rugged quality construction have become the standard.

The Rolling 250 incorporates a universal 4-jaw carriage that can be easily removed for

fusion operations remote from the vehicle. For installations in limited space, the outer fixed jaw and skid can be removed from the carriage, converting to a 3-jaw carriage for close access in tight installations.

For polypropylene fusions, the Rolling 250 features a powerful hydraulic facer for fast and efficient facing of pipe ends.



## MACHINE FEATURES

PACKAGES **A866005 120V** **A866003 220-240V**



**REMOVABLE CARRIAGE**  
The 250 carriage can be easily removed for tight installations. The outer fixed jaw and skid can also be removed, converting it to a 3-jaw machine for an even more compact unit.



**SERRATED JAWS FOR MAXIMUM GRIP**  
All McElroy machine jaws and inserts feature deep serrations to provide the most secure clamping of the pipe.



**HYDRAULIC FACER**  
Indexer-mounted hydraulic facer pivots into place to face the thickest wall pipe with ease.



**DATALOGGER® COMPATIBLE** Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 52 for more information.**

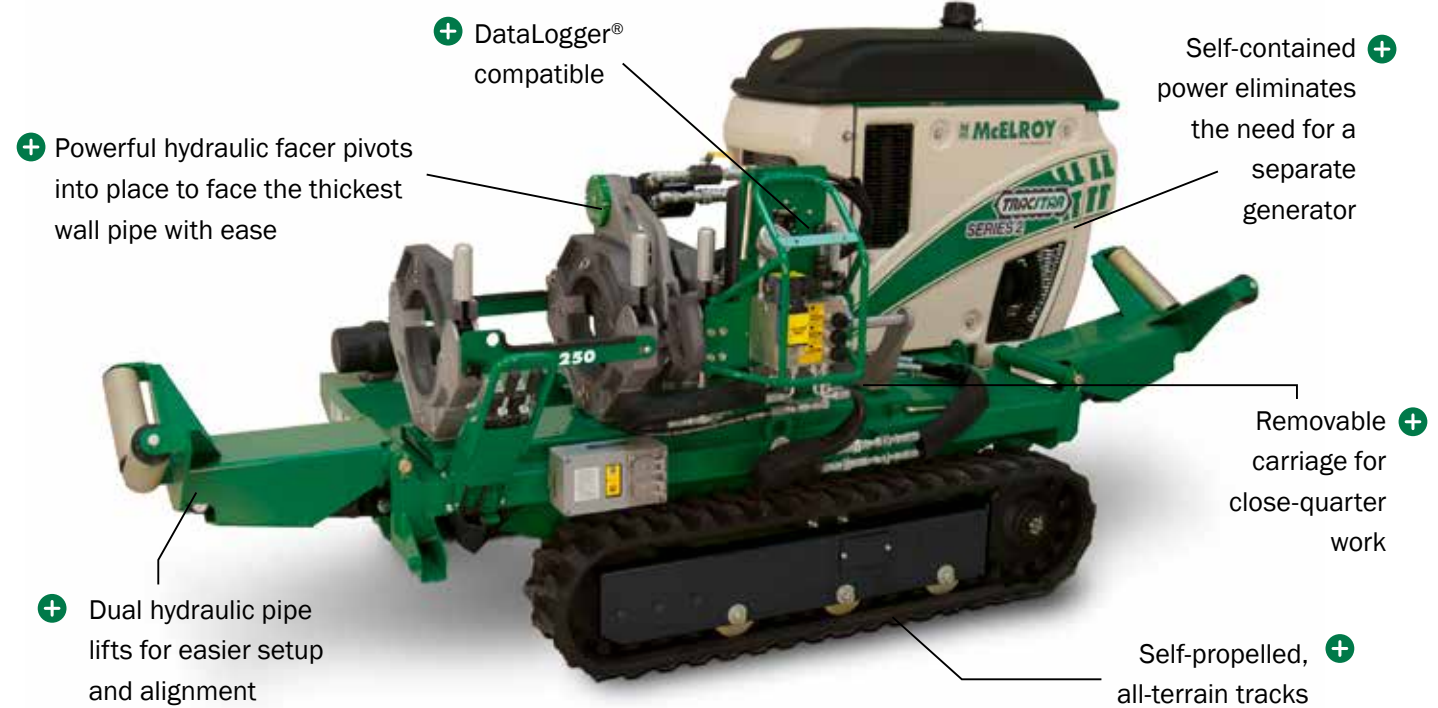
# TRACSTAR® 250 SERIES 2

BUTT FUSION CAPABILITY FOR 125mm-250mm (4"-10") POLYPROPYLENE PIPE

The **TracStar 250 Series 2** has been completely redesigned based on feedback that came directly from the field. The new machine now shares the same vehicle with the 412 and 618 range of TracStars and is powered by a powerful diesel engine – which is especially useful on outdoor jobsites where gasoline is not permitted or when fusing long strings of pipe. Designed

to butt fuse polypropylene pipes and fittings from 125mm to 250mm (4" to 10"), the TracStar 250 Series 2 offers a self-contained, self-propelled, track-mounted vehicle that can handle grades up to 30 percent. A new cowling design aids in heat dissipation while providing easier access when machine maintenance is required. An updated electrical system increases the

circuit protection, and a standard battery disconnect is now incorporated for easy lockout. The TracStar 250 Series 2 fusion machines incorporate an interchangeable 4-jaw carriage that can be easily removed for in-ditch fusions. For tight installations, the outer fixed jaw and skid can be removed from the carriage converting it to a 3-jaw carriage for an even more compact fusion unit.



## MACHINE FEATURES

PACKAGES **AT2512103**



**SELF-CONTAINED**  
The McElroy TracStar line has self-contained power – eliminating the need for a separate generator.



**SELF-PROPELLED**  
TracStar machines are mounted on all terrain rubber tracks and easily maneuverable on any jobsite with independent controls for each track.



**REMOVABLE CARRIAGE**  
The TracStar carriage can be easily removed for tight installations. The outer fixed jaw and skid can also be removed, converting it to a 3-jaw machine for an even more compact unit.



**DATALOGGER® COMPATIBLE** Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 52 for more information.**



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)



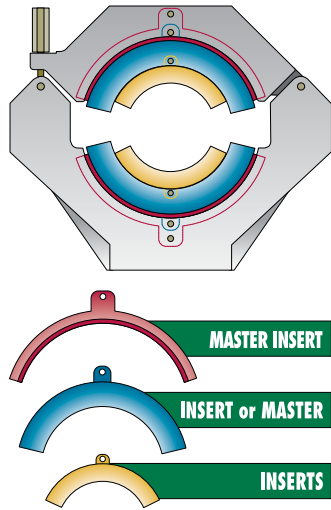
**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

FUSION MACHINES

FUSION MACHINES

# INSERTS

Our inserts have been surface-hardened for longer life. All inserts are serrated for maximum grip on the pipe. Inserts are made for one size pipe only. Not all inserts fit directly in the jaws. Some inserts nest inside other inserts, called master inserts.



**Note:** Other sizes of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs.

## BUTT FUSION INSERTS

INSERT SIZE	PIPE OD	2-JAW SET	4-JAW SET
<i>All inserts below fit in 250mm (9.84") OD jaws</i>			
8"IPS/250mm Master	219mm (8.63")	<b>T2503516</b>	<b>T2503504 *</b>
225mm/250mm	225mm (8.86")	<b>T2503517</b>	<b>T2503507</b>

*All inserts below require 8" IPS/DIPS or 8"IPS/250mm Masters*

200mm	200mm (7.87")	<b>801548</b>	<b>801511</b>
180mm (7.125") OD	180mm (7.13")	<b>801549</b>	<b>801513</b>
6" DIPS	175mm (6.90")	<b>801550</b>	<b>801525</b>
6" IPS Master	168mm (6.63")	<b>801547</b>	<b>801510</b>
160mm	160mm (6.30")	<b>8078148</b>	<b>807813</b>

*All inserts below require 6"IPS & 8"IPS/DIPS or 6"IPS & 8"IPS/250mm Masters*

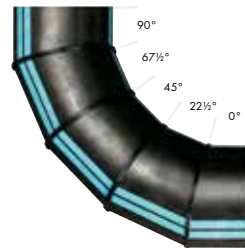
5" IPS	141mm (5.56")	<b>809435</b>	<b>809409</b>
140mm	140mm (5.51")	<b>809439</b>	<b>809428</b>
5.375" OD	137mm (5.38")	<b>809437</b>	<b>809411</b>
5.25" OD	133mm (5.25")	<b>809436</b>	<b>809410</b>
125mm	125mm (4.92")	<b>809438</b>	<b>809413</b>
4" DIPS	122mm (4.80")	<b>809327</b>	<b>809315</b>
4" IPS	114mm (4.50")	<b>809434</b>	<b>809408</b>
110mm	110mm (4.33")	<b>809324</b>	<b>809305</b>
3" DIPS	101mm (3.96")	<b>809326</b>	<b>809313</b>
90mm	90mm (3.54")	<b>809325</b>	<b>809309</b>
3" IPS	89mm (3.50")	<b>809323</b>	<b>809304</b>
75mm	75mm (2.95")	<b>809217</b>	<b>809211</b>
63mm	63mm (2.48")	<b>809216</b>	<b>809209</b>
2" IPS	60mm (2.38")	<b>809215</b>	<b>809204</b>

2-JAW SET = 4 INSERTS, 4-JAW SET = 8 INSERTS

\* Included with machine package

## 11.25° MITERED INSERTS

Mitered inserts are used to fabricate segmented ells. Our standard miter is 11¼°, other mitered angles are available upon request.



INSERT SIZE	PIPE OD	PART NO.
<i>All inserts below fit in 250mm (9.84") jaws</i>		
200mm/250mm x 11.25°	200mm (7.87")	<b>T2503513</b>
8"IPS/250mm Master	219mm (8.63")	<b>T2503504</b>

*All inserts below fit in 8" IPS/DIPS or 8"IPS/250mm Masters*

160mm x 11.25°	160mm (6.30")	<b>807817</b>
125mm x 11.25°	125mm (4.92")	<b>807896</b>

SET = 4 INSERTS AND 1 TEMPLATE

## ROLLING 250 SPECIFICATIONS

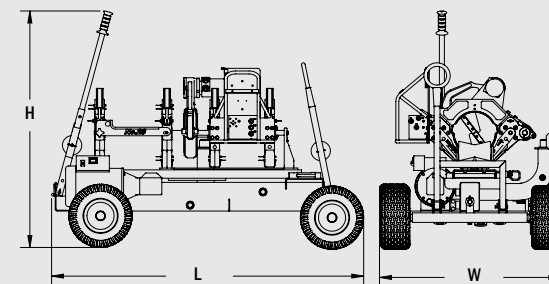
**Rolling 250 machine package includes** fusion machine, facer, heater, insulated heater stand and 8" IPS/250mm master inserts. Specifications subject to change without notice.

PACKAGES		
<b>120V Rolling 250</b>	<b>A866005</b>	
<b>220-240V Rolling 250</b>	<b>A866003</b>	
POWER		
	<b>120V Model</b>	<b>220-240V Model</b>
<b>Input Voltage Req.</b>	60Hz, 1 Ph	50/60Hz, 1 Ph
<b>Electric Motor</b>	1.5 HP, 15 Amp.	1.5 HP, 7.5 Amp.
<b>Heater</b>	3,000 Watt	
<b>Facer</b>	Hydraulic	
WEIGHT		
<b>Machine</b>	575 lbs (260.8 Kg)	
<b>4-Jaw Carriage</b>	201 lbs (91.2 Kg)	
<b>3-Jaw Carriage</b>	122 lbs (55.3 Kg)	
<b>Facer</b>	44 lbs (20 Kg)	
<b>Heater</b>	27 lbs (12.2 Kg)	

HYDRAULICS	
<b>Max. Gauge Pressure</b>	800 PSI (55.16 BAR)
<b>Reservoir Capacity</b>	5 Gallons (18.92 Liters)

CHASSIS & MOBILITY	
<b>Frame</b>	Welded steel construction
<b>Tires</b>	High-flotation inflatable
<b>Transportation</b>	Pulled via tow ring

DIMENSIONS	
<b>Width</b>	38" (965mm)
<b>Length</b>	65.5" (1,664mm)
<b>Height</b>	49.5" (1,257mm)



## TRACSTAR® 250 SERIES 2 SPECIFICATIONS

**TracStar 250 Series 2 machine package includes** fusion machine, facer, heater, insulated heater stand, 8" IPS/250mm master inserts and lifting assembly. Specifications subject to change without notice.

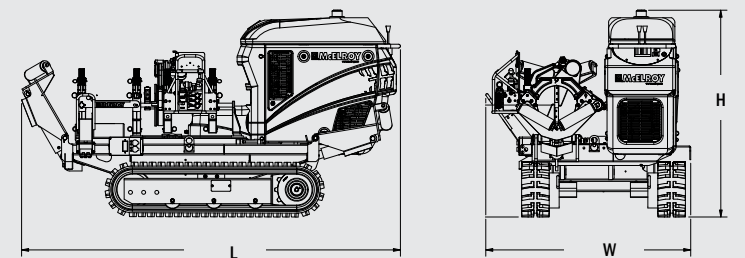
PACKAGE	
<b>TracStar 250 Series 2</b>	<b>AT2512103</b>
ELECTRICAL	
<b>Input Voltage Req.</b>	None, self-contained
<b>AC Output</b>	120V and 240V, 60Hz, 15 Amp
POWER	
<b>Heater</b>	3,000 Watt
<b>Facer</b>	Hydraulic
ENGINE	
<b>Engine Type</b>	20 HP liquid cooled
<b>Fuel Type</b>	Diesel
<b>Fuel Tank Capacity</b>	5 Gallons (18.92 Liters)
<b>Operational Tank Cap.</b>	8 Hours
<b>Starting System</b>	Electric

WEIGHT	
<b>Machine</b>	1,910 lbs (866.4 Kg)
<b>4-Jaw Carriage</b>	203 lbs (92.1 Kg)
<b>3-Jaw Carriage</b>	124 lbs (56.2 Kg)
<b>Facer</b>	44 lbs (19.9 Kg)
<b>Heater</b>	21 lbs (9.5 Kg)

HYDRAULICS	
<b>Max. Gauge Pressure</b>	2,000 PSI (137.9 BAR)
<b>Reservoir Capacity</b>	8 Gallons (30.28 Liters)

CHASSIS & MOBILITY	
<b>Frame</b>	Welded steel construction
<b>Brake</b>	Self-locking
<b>Tracked</b>	Rubber crawler tracks
<b>Transportation</b>	Self-propelled
<b>Vehicle Speed</b>	1.5 MPH Max.
<b>Lifting</b>	Lift points and lifting assembly

DIMENSIONS	
<b>Width</b>	53" (1,346mm)
<b>Length</b>	97" (2,464mm)
<b>Height</b>	53" (1,346mm)



# ACCESSORIES & REPLACEMENT PARTS FOR **ROLLING AND TRACSTAR® 250 SERIES 2** MACHINES

**25' HYDRAULIC EXTENSION HOSES**  
Set of four 25' hydraulic extension hoses. **1219105**



**HEATER CADDY**  
Allows the heater and heater bag to attach to a TracStar. **AT808902**

RETROFIT KIT FOR MACHINES BUILT BEFORE 9/2010 **AT808901**



**STUB END HOLDER**  
Self-centering stub end holder to hold stub end for butt fusion. **885001**



**LOW FORCE CONVERSION KIT**  
Converts 1500 PSI machines to 600 PSI machines. **A1280101**



**FACER STAND**  
Facer stand provides a convenient place to protect and store your facer. **T801101**



**FACER BLADE SET**  
Includes 4 blades, screws and wrench. **710606**



**SHIPPING CONTAINER**

FOR ROLLING 250 **SED00028**

FOR TRACSTAR 250 SERIES 2 **SED01218**



**SOFT-SIDED CARRY BAG**  
Protect, store and transport inserts and accessories. 24" x 12.5" x 17.5" **MJQ00648**



**HEATER**  
Microprocessor-controlled with dial thermometer to monitor temperature. Includes heater plates, insulated heater stand and stripper bars. **T2501004**



**PYROMETER**  
Accurately checks surface temperatures of heater. **A218804**



**LOW PROFILE ROLLERS** Aids by reducing drag and protecting the pipe from damage. Image shown is one set (2 rollers).

1 SET **A1867502**  
CASE (40 SETS) **A1867501**

**PIPE SUPPORT STAND**  
Adjustable pipe stand to properly support, position and align pipe to be fused. **906501**



**DATALOGGER® 6**  
Record and document fusion process parameters and details. **DL18001**



**POLYHORSE®** Pipe handling system that consists of adjustable racks to store and help install pipe.



**1875501**  
WITH POWERASSIST **1875502**

**POLYPORTER®**  
Designed to aid in lifting of the pipe as well as perform as a pipe stand. **864201**



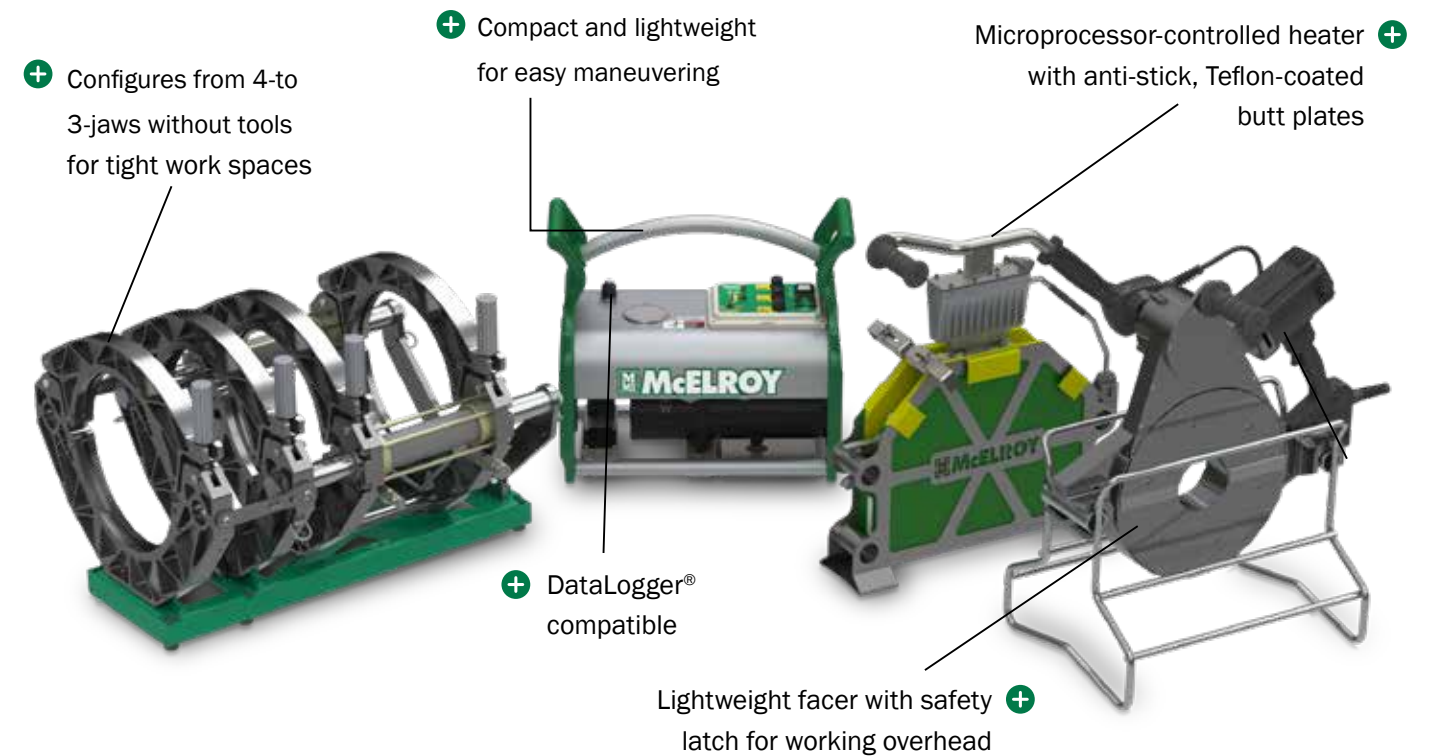
# ACROBAT™ 315

FUSION CAPABILITY FOR 200mm-315mm (8"-12") POLYPROPYLENE PIPE

The **Acrobat 315** fusion machine has a lightweight, compact design for easy maneuvering in tight work spaces specific to the polypropylene industry. To further reduce its footprint, the carriage can be

configured from 4 to 3 jaws without tools. The Acrobat comes with a new lightweight heater and guide rod latching system which eliminates holding the heater in place manually during overhead fusions. Its

ergonomic handlebar design makes it easy to use in different orientations, including overhead. The HPU (Hydraulic Power Unit) consumes less power and is lightweight, making it easier to move between jobsites.



## MACHINE FEATURES



**LIGHTWEIGHT**  
The Acrobat weighs just 97 pounds in the 4-jaw configuration. The carriage can be converted to 3-jaw without any tools. This lightens the load to 72 pounds — making overhead fusions a breeze.



**FLEXIBLE TO MEET THE JOB DEMANDS** Thanks to the Acrobat's narrow jaw construction and compact package, flange-to-pipe, fitting-to-pipe and even fitting-to-fitting fusions can be done with ease.

PACKAGES **A31500101 120V** **A31500102 240V**



**VERSATILE SHIPPING CONTAINER** A heavy-duty, reusable container is built to hold every component of the Acrobat package. It doubles as a durable worktable, allowing operators to raise the fusion machine to a comfortable working height.



**PRESET PRESSURES**  
The intelligent design of the Acrobat HPU allows the operator to preset the facing, heating and fusing pressures individually without having to make adjustments between operations — greatly streamlining the fusion process.

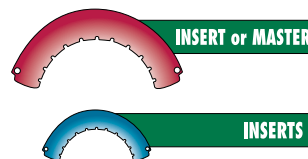
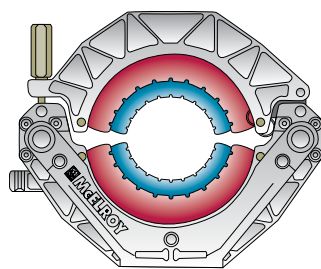


**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

## INSERTS

Our inserts have been surface-hardened for longer life. All inserts are serrated for maximum grip on the pipe. Inserts are made for one size pipe only.

**Note:** Other sizes of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs.



## BUTT FUSION INSERTS

INSERT SIZE	PIPE OD	PART NO.
-------------	---------	----------

All inserts below fit in 315mm (12.40") jaws

10" DIPS	282mm (11.10")	31503604
280mm	280mm (11.02")	31503704
10" IPS	273mm (10.75")	31503804
250mm Master	250mm (9.84")	31503904 *

All inserts below require 250mm (9.84") Masters

8" DIPS	230mm (9.05")	2503816
225mm	225mm (8.85")	2503819
8" IPS/250 Master	219mm (8.63")	2503817
200mm	200mm (7.87")	2503813

SET = 8 INSERTS

\* Included with machine package

## ACROBAT™ 315 SPECIFICATIONS

**Acrobat 315 package includes** fusion machine, 250mm Master inserts, facer, heater, insulated heater stand, facer stand, HPU and shipping container. Specifications are subject to change without notice.

### PACKAGES

120V Acrobat 315	A31500101
240V Acrobat 315	A31500102

POWER	120V Model	240V Model
Input Voltage Req.	120V, 50/60Hz, 1 Ph	220-240V, 50/60Hz, 1 Ph
Heater	1.85kW	3 kW
Facer	10 Amp	5 Amp
Acrobat HPU	0.3 HP, 5.9 Amp	0.3 HP, 2.4 Amp
Plug Type	Nema 5-15	CEE 7/7

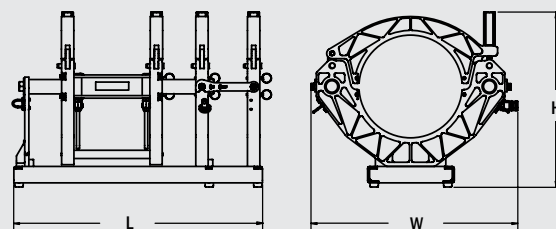
### WEIGHT

4-Jaw Carriage	97 lbs (44 Kg)
3-Jaw Carriage	72 lbs (32.7 Kg)
Facer	38 lbs (17.2 Kg)
Heater	22 lbs (10 Kg)
Acrobat HPU	56 lbs (25.4 Kg)

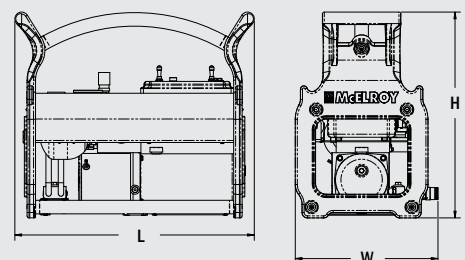
### MAX. GAUGE PRESSURE

Acrobat HPU	800 PSI (55.2 BAR)
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### DIMENSIONS



	4-Jaw Carriage	3-Jaw Carriage
Width	25" (635mm)	24.3" (617.2mm)
Length	30" (762mm)	23.9" (607mm)
Height	21.2" (538.5mm)	18.7" (475mm)



	HPU
Width	13.2" (335mm)
Length	22.1" (562mm)
Height	19" (482.6mm)

## ACCESSORIES & REPLACEMENT PARTS FOR ACROBAT™ 315 MACHINES



**FACER** Powered blades keep the pipe edges clean and aligned.

100-120V	31500501
220-240V	31500502

**FACER BLADE SET** Includes 4 blades, screws and wrench. **T1208602**

### FACER STAND

Facer stand provides a convenient place to protect and store your facer. **T1201101**



### SHIPPING CONTAINER

Protects and transports machine, HPU, heater and facer. **2511001**



### DATALOGGER® 6

Record and document fusion process parameters and details. **DL18001**



### PYROMETER

Accurately checks surface temperatures of heater. **A218804**

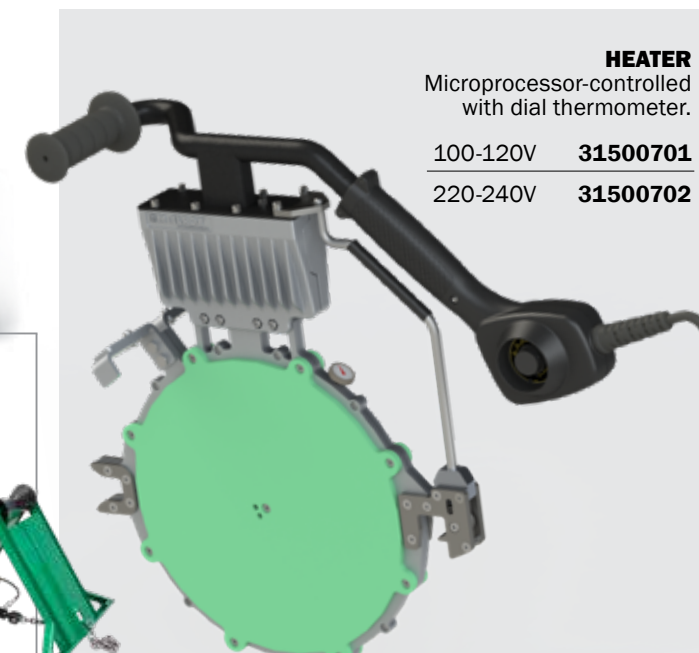


### HEATER PLATE KIT

Plates have an anti-stick coating and are required for butt fusion. Kit includes 2 plates and screws. **A31504901**

### HEATER STAND

Holds heater for easier carrying and protection. Heater bag helps to maintain a constant temperature. **31501001**



### HEATER

Microprocessor-controlled with dial thermometer.

100-120V	31500701
220-240V	31500702



### LOW PROFILE ROLLERS

Aids by reducing drag and protecting the pipe from damage. Image shown is one set (2 rollers).

1 SET	A1867502
CASE (40 SETS)	A1867501

### HYDRAULIC PIPE STAND

Adjustable pipe stand to properly support, position and align pipe to be fused.

### AT5066701 STAND ONLY

### AT5066702 WITH HYDRAULIC PIPE ADJUST

### AT5066703 WITH HYDRAULIC PIPE ADJUST AND PUMP



### DYNAMC® HPU

Hydraulic Power Unit compatible with the Acrobat line of machines. 1500 PSI max gauge pressure.

120V, 60Hz, 1Ph  
**1272701**

220-240V, 50/60Hz, 1Ph  
**1272703**





# ROLLING 412

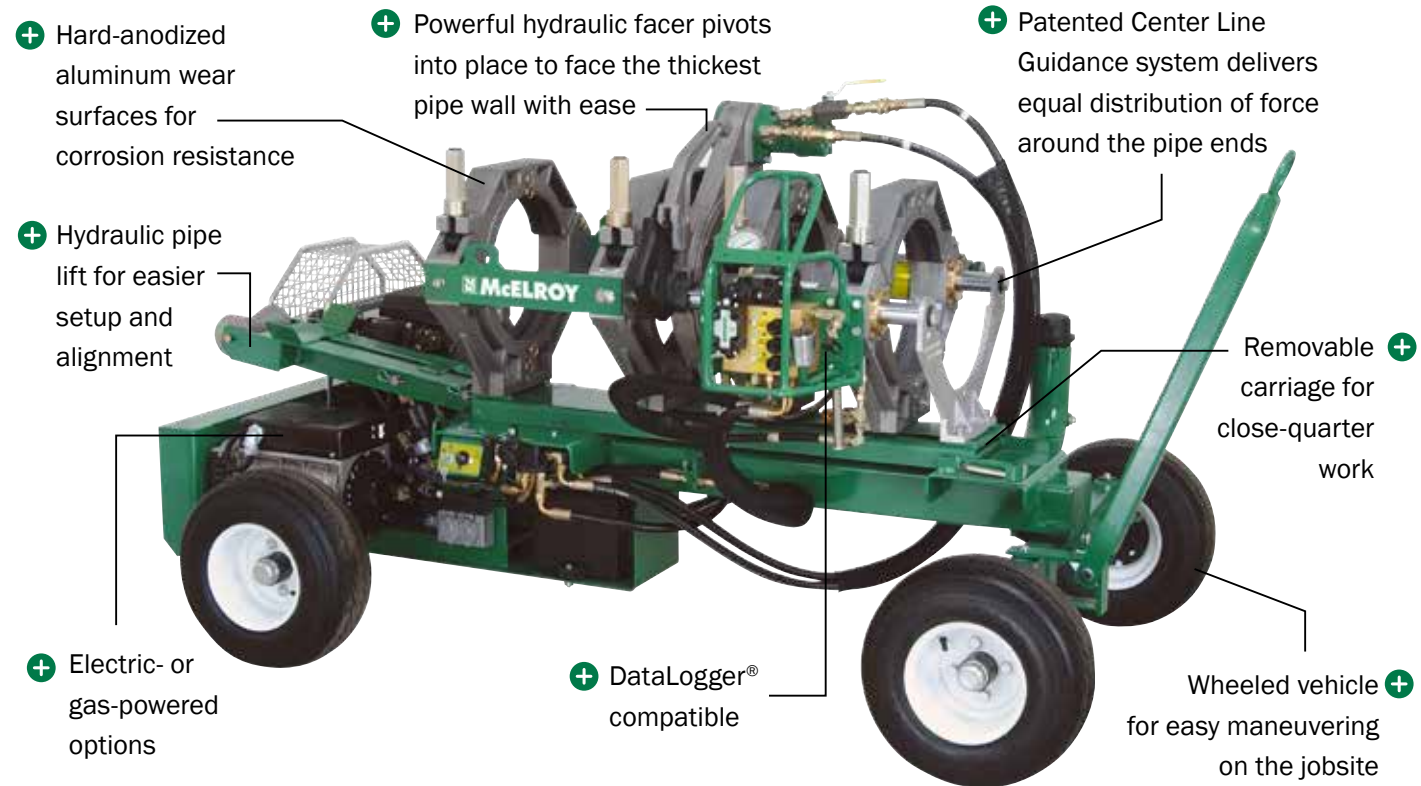
BUTT FUSION CAPABILITY FOR 200mm-315mm (8"-12") POLYPROPYLENE PIPE

The **Rolling 412** changed the industry when introduced as the first fully self-contained fusion machine in the world.

The Rolling 412 incorporates a universal 4-jaw carriage that can be easily removed for

fusion operations remote from the vehicle. For installations in limited space, the outer fixed jaw and skid can be removed from the carriage, converting to a 3-jaw carriage for close access in tight installations.

For polypropylene fusions, the Rolling 412 features a powerful hydraulic facer for fast and efficient facing of pipe ends.



## MACHINE FEATURES

PACKAGES

A1248103 Gas

A1248106 Electric



### REMOVABLE CARRIAGE

The 412 carriage can be easily removed for tight installations. The outer fixed jaw and skid can also be removed, converting it to a 3-jaw machine for an even more compact unit.



### SERRATED JAWS FOR MAXIMUM GRIP

All McElroy machine jaws and inserts feature deep serrations to provide the most secure clamping of the pipe.



### AVAILABLE HYDRAULIC CLAMPING

Save time and increase productivity by eliminating manual-crank clamp knobs on 412 machines. **To purchase, add "HC" to the end of the part numbers above.**



### DATALOGGER® COMPATIBLE

Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 52 for more information.**



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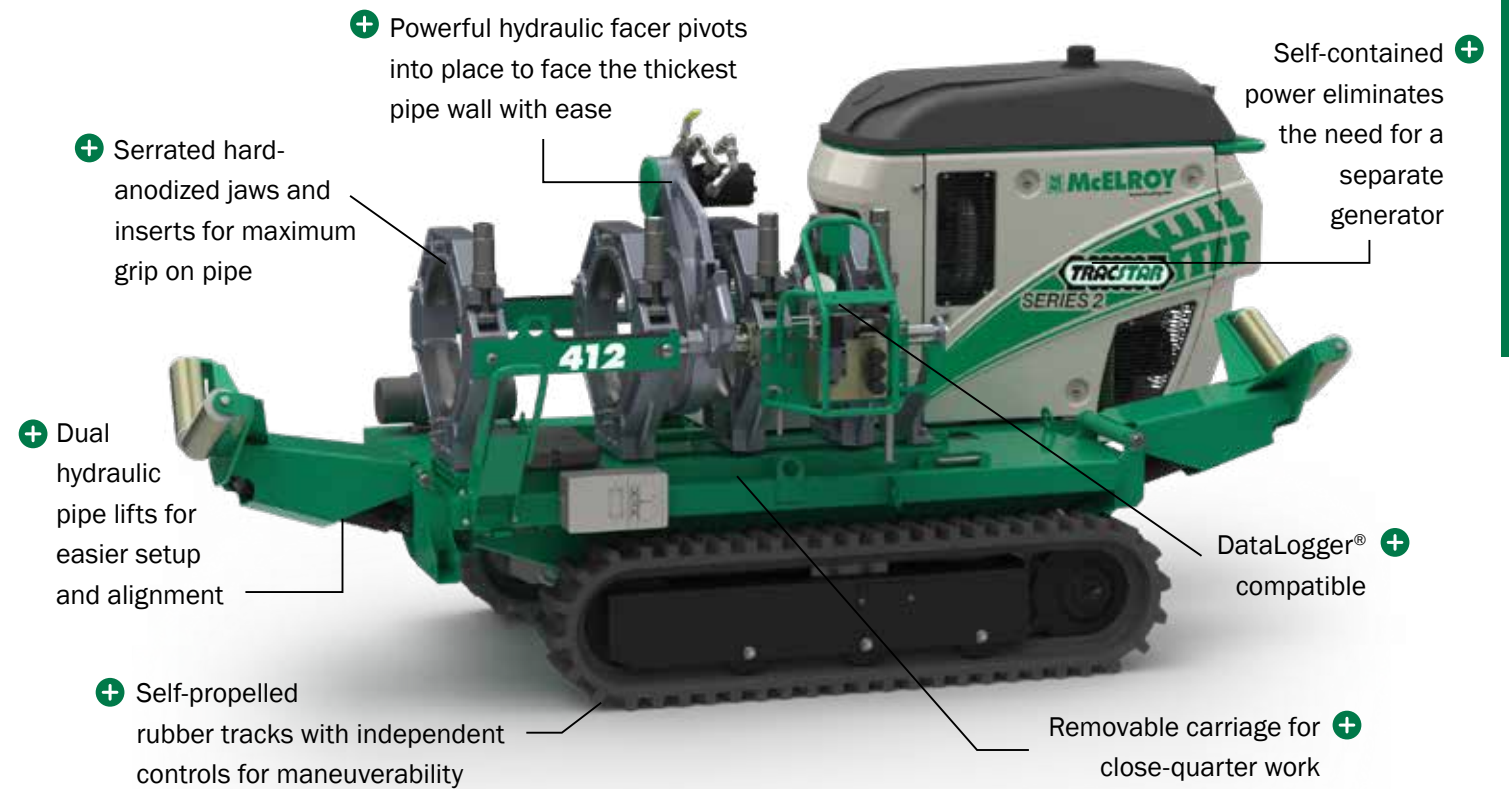
# TRACSTAR® 412 SERIES 2

BUTT FUSION CAPABILITY FOR 200mm-315mm (8"-12") POLYPROPYLENE PIPE

The new **TracStar 412 Series 2** has been completely redesigned based on feedback from the field. The Series 2 machines incorporate a new cowling

design that aids in heat dissipation — while providing easier access for machine maintenance. An updated electrical system increases the circuit protection

and a standard battery disconnect is now incorporated for easy lockout.



## MACHINE FEATURES

PACKAGES

AT1223603



### HYDRAULIC CLAMPING AVAILABLE

Save time and increase productivity by eliminating manual-crank clamp knobs on 412 machines. **To purchase, add "HC" to the end of the part number above.**



### SELF-PROPELLED

TracStar machines are mounted on all-terrain rubber tracks and are easily maneuverable on any jobsite with independent controls for each track.



### REMOVABLE CARRIAGE

The TracStar carriage can be easily removed for tight installations. The outer fixed jaw and skid can also be removed, converting it to a 3-jaw machine for an even more compact unit.



### DATALOGGER® COMPATIBLE

Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 52 for more information.**



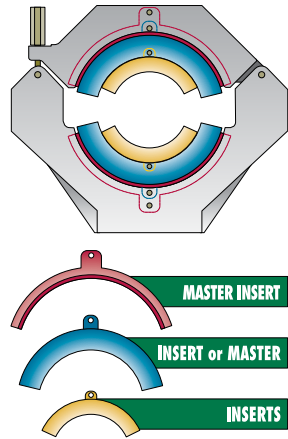
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FUSION MACHINES

FUSION MACHINES

# INSERTS

Our inserts have been surface-hardened for longer life. All inserts are serrated for maximum grip on the pipe. Inserts are made for one size pipe only. Not all inserts fit directly in the jaws. Some inserts nest inside other inserts, called master inserts.



**Note:** Other sizes of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs.

## BUTT FUSION INSERTS

INSERT SIZE	PIPE OD	2-JAW SET	4-JAW SET
<i>All inserts below fit in 12" DIPS 13.20" (335mm) jaws</i>			
12" IPS/DIPS Master	324mm (12.75")	<b>1203103</b>	<b>1203102*</b>

*All inserts below require 12" IPS/DIPS Masters*

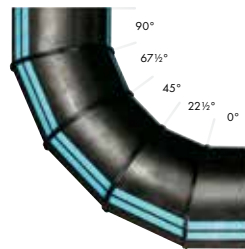
315mm	315mm (12.40")	<b>1211206</b>	<b>1211202</b>
250mm	250mm (9.84")	<b>1213512</b>	<b>1213503</b>
200mm	200mm (7.87")	<b>1207045</b>	<b>1207009</b>
160mm	160mm (6.30")	<b>1207047</b>	<b>1207011</b>

2-JAW SET = 4 INSERTS, 4-JAW SET = 8 INSERTS

\* Included with machine package

## 11.25° MITERED INSERTS

Mitered inserts are used to fabricate segmented ells. Our standard miter is 11¼°, other mitered angles are available upon request.



INSERT SIZE	PIPE OD	PART NO.
<i>All inserts below fit in 12" DIPS 13.20" (335mm) jaws</i>		
12" IPS/DIPS Master	324mm (12.75")	<b>1203102*</b>

*All inserts below fit in 8" IPS/DIPS or 8"IPS/250mm Masters*

250mm x 11.25°	250mm (9.84")	<b>1214235</b>
200mm x 11.25°	200mm (7.87")	<b>1214234</b>

SET = 4 INSERTS AND 1 TEMPLATE

\* Included with machine package

# ROLLING 412 SPECIFICATIONS

**Rolling 412 machine package includes** fusion machine, facer, heater, insulated heater stand and 12" IPS/DIPS master inserts. Specifications subject to change without notice.

### PACKAGES

**Rolling 412 Electric-powered** **A1248106**

**Rolling 412 Gas-powered** **A1248103**

**NOTE:** to purchase Rolling machine with Hydraulic Clamping, add "HC" to the end of the part number above.

POWER	Electric-powered	Gas-powered
<b>Input Voltage Requirements</b>	6.2 kVA/5.2 kW @ 220-240V, 50/60Hz, 3Ph	N/A, On-board generator
<b>Heater</b>	3,000 Watt	
<b>Facer</b>	Hydraulic	
<b>Electric Motor</b>	3 HP	N/A

### ENGINE

<b>Engine Type</b>	N/A	18 HP air cooled V-Twin
<b>Fuel Type</b>	N/A	Gasoline
<b>Fuel Tank Capacity</b>	N/A	5 Gallons (18.92 Liters)
<b>Operational Tank Cap.</b>	N/A	8 Hours
<b>Starting System</b>	N/A	Electric

### WEIGHT

<b>Machine</b>	915 lbs (415 Kg)	1,225 lbs (556 Kg)
<b>4-Jaw Carriage</b>	359 lbs (163 Kg)	
<b>3-Jaw Carriage</b>	261 lbs (118.4 Kg)	
<b>Facer</b>	62 lbs (28.1 Kg)	
<b>Heater</b>	24 lbs (10.9 Kg)	

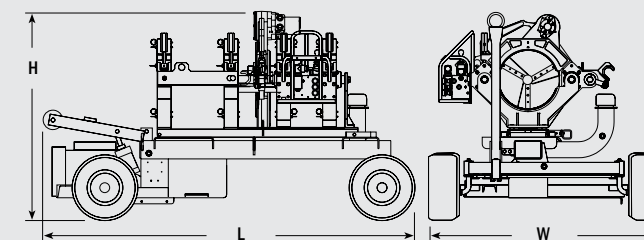
### HYDRAULICS

<b>Max. Gauge Pressure</b>	800 PSI (55.16 BAR)	
<b>Reservoir Capacity</b>	6 Gallons (22.71 Liters)	8 Gallons (30.28 Liters)

### CHASSIS & MOBILITY

<b>Frame</b>	Welded steel construction	
<b>Tires</b>	High-flotation inflatable	

### DIMENSIONS



<b>Width</b>	49" (1,245mm)
<b>Length</b>	85" (2,159mm)
<b>Height</b>	46" (1,168mm)

# TRACSTAR® 412 SERIES 2 SPECIFICATIONS

**TracStar 412 Series 2 machine package includes** fusion machine, facer, heater, insulated heater stand, 12" IPS/DIPS master inserts and lifting assembly. Specifications subject to change without notice.

### PACKAGES

**TracStar 412 Series 2** **AT1223603**

**NOTE:** to purchase TracStar machine with Hydraulic Clamping, add "HC" to the end of the part number above.

### ELECTRICAL

<b>Input Voltage Req.</b>	None, self-contained
<b>AC Output</b>	120V and 240V, 60Hz, 15 Amp

### POWER

<b>Heater</b>	3,000 Watt
<b>Facer</b>	Hydraulic

### ENGINE

<b>Engine Type</b>	20 HP liquid cooled
<b>Fuel Type</b>	Diesel
<b>Fuel Tank Capacity</b>	5 Gallons (18.92 Liters)
<b>Operational Tank Cap.</b>	8 Hours
<b>Starting System</b>	Electric

### WEIGHT

<b>Machine</b>	2,110 lbs (957 Kg)
<b>4-Jaw Carriage</b>	380 lbs (172.4 Kg)
<b>3-Jaw Carriage</b>	282 lbs (128 Kg)
<b>Facer</b>	62 lbs (28.1 Kg)
<b>Heater</b>	24 lbs (10.9 Kg)

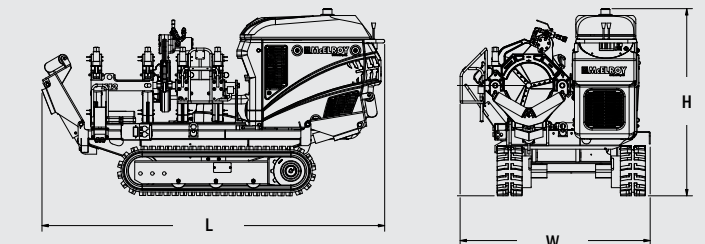
### HYDRAULICS

<b>Max. Gauge Pressure</b>	2,000 PSI (137.9 BAR)
<b>Reservoir Capacity</b>	8 Gallons (30.28 Liters)

### CHASSIS & MOBILITY

<b>Frame</b>	Welded steel construction
<b>Brake</b>	Self-locking
<b>Tracked</b>	Rubber crawler tracks
<b>Transportation</b>	Self-propelled
<b>Vehicle Speed</b>	1.5 MPH Max.
<b>Lifting</b>	Lift points and lifting assembly

### DIMENSIONS



<b>Width</b>	53" (1,346mm)
<b>Length</b>	97" (2,464mm)
<b>Height</b>	53" (1,346mm)

# ACCESSORIES & REPLACEMENT PARTS FOR ROLLING AND TRACSTAR® 412 SERIES 2 MACHINES

FUSION MACHINES

## 4.63" FACER BLADE SET

Includes 6 blades, screws and wrench.



STANDARD **T1208603**  
COATED **T1208603C**  
CARBIDE **T1208603T**

## 6.13" FACER BLADE SET

Spans the entire facer range without repositioning.



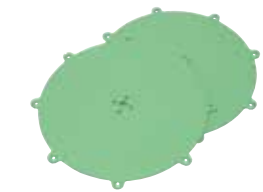
STANDARD **T1208610**  
COATED **T1208610C**



**LOW FORCE CONVERSION KIT**  
Converts 1500 PSI machines to 400 PSI machines. **A1280101**

## DATALOGGER® 6

Record and document fusion process parameters and details. **DL18001**



**HEATER PLATE KIT**  
Plates have an anti-stick coating and are required for butt fusion. Kit includes 2 plates and screws. **A1242108**

## FACER STAND

Facer stand provides a convenient place to protect and store your facer. **T1201101**



**25' HEATER EXTENSION CORD**  
**1219002**

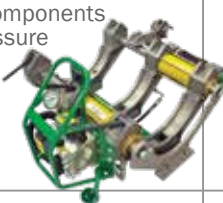
## STUB END HOLDER

Self-centering stub end holder to hold stub end for butt fusion. **1270101**



## LOWER 3-JAW CONVERSION PACKAGE

Lower 3-jaw carriage only package to adapt existing Rolling, TracStar or Pit Bull® machine components for low pressure fusions. **T1220001**

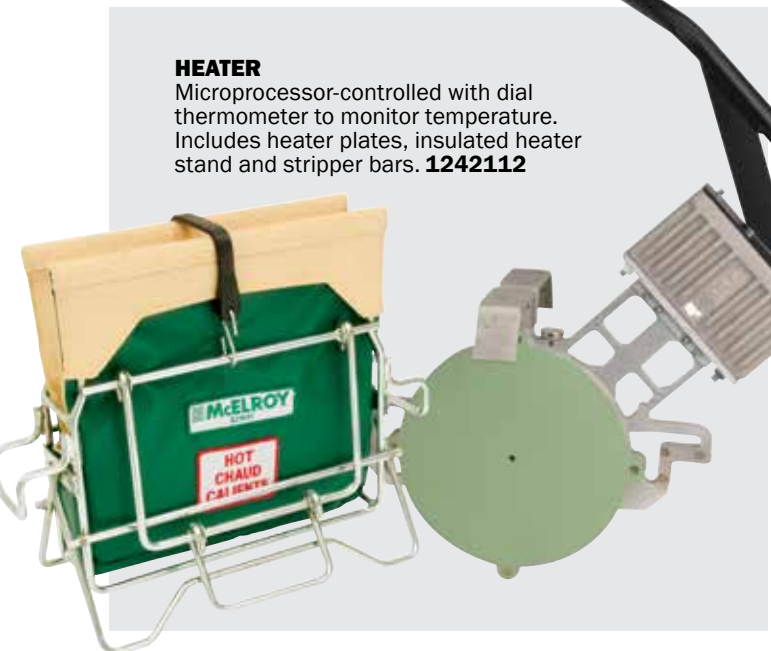


## 25' HYDRAULIC EXTENSION HOSES

Set of four 25' hydraulic extension hoses. **1219105**



**HEATER**  
Microprocessor-controlled with dial thermometer to monitor temperature. Includes heater plates, insulated heater stand and stripper bars. **1242112**



## HEATER CADDY

Allows the heater and heater bag to attach to a TracStar.

**AT1818602**

RETROFIT KIT FOR MACHINES BUILT BEFORE 9/2010 **AT1818601**



## PYROMETER

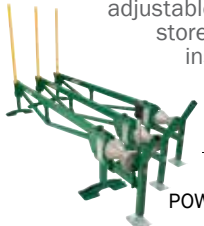
Accurately checks surface temperatures of heater. **A218804**



**LOW PROFILE ROLLERS** Aids by reducing drag and protecting the pipe from damage. Image shown is one set (2 rollers).

1 SET **A1867502**  
CASE (40 SETS) **A1867501**

**POLYHORSE®** Pipe handling system that consists of adjustable racks to store and help install pipe.



**1875501**  
WITH POWERASSIST **1875502**

**HYDRAULIC PIPE STAND**  
Adjustable pipe stand to properly support, position and align pipe to be fused.

**AT5066701 STAND ONLY**

**AT5066702 WITH HYDRAULIC PIPE ADJUST**

**AT5066703 WITH HYDRAULIC PIPE ADJUST AND PUMP**



**SHIPPING CONTAINER SED01218**



# PIT BULL® 618

BUTT FUSION CAPABILITY FOR 200mm-450mm (8"-18") POLYPROPYLENE PIPE

The Pit Bull 618 is used in special applications where wheeled or tracked 618 machines are not needed. The machine is compact, while retaining many of McElroy's popular features.

- + Wheeled Hydraulic Power Unit (HPU) for easy maneuvering (sold separately)
- + Convertable to 3-jaw configuration for tight jobsites
- + Microprocessor-controlled heater with anti-stick, Teflon-coated butt plates
- + Serrated, hard-anodized jaws and inserts for maximum grip on pipe
- + DataLogger® compatible
- + Powerful hydraulic facer pivots into place to face the thickest pipe wall with ease

FUSION MACHINES

## MACHINE FEATURES

PACKAGES **AT1807503** Carriage **T1810901** HPU



### SMALL FOOTPRINT

The Pit Bull machines are perfect for jobsites with limited space or when a Rolling or TracStar® machine are unnecessary.



### SERRATED JAWS FOR MAXIMUM GRIP

All McElroy machine jaws and inserts feature deep serrations to provide the most secure clamping of the pipe.



### HYDRAULIC FACER

Indexer-mounted, hydraulic facer pivots into place to face the thickest pipe wall with ease.



### DATALOGGER® COMPATIBLE

Record heater temperature and fusion pressure profiles over time in adherence to supported fusion standards. See pg 52 for more information.



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

# ROLLING 618

BUTT FUSION CAPABILITY FOR 200mm-450mm (8"-18") POLYPROPYLENE PIPE

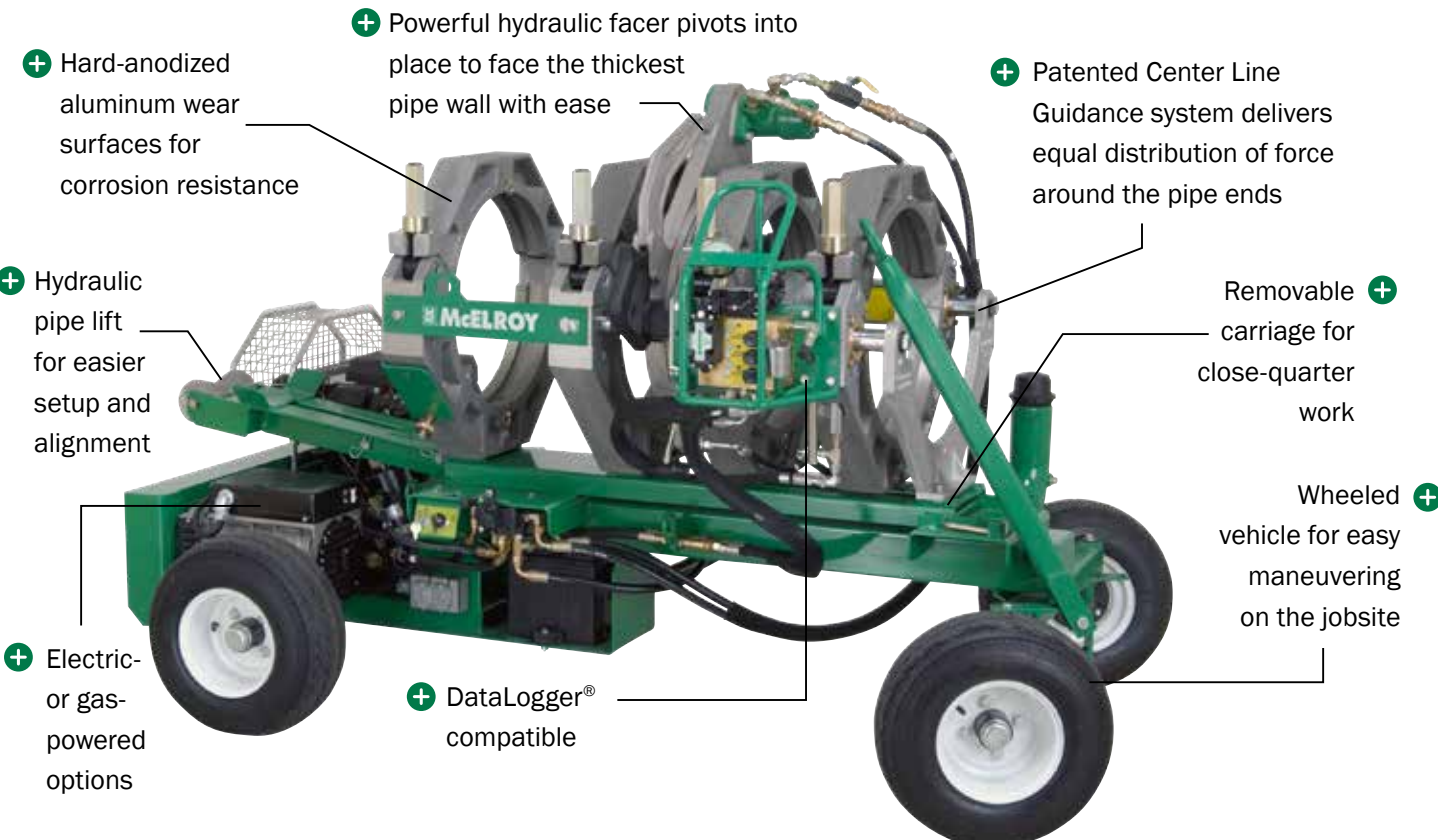
The **Rolling 618** changed the industry when introduced as the first fully self-contained fusion machine in the world.

The Rolling 618 incorporates a universal 4-jaw carriage that can be

easily removed for fusion operations remote from the vehicle. For installations in limited space, the outer fixed jaw and skid can be removed from the carriage, converting to a 3-jaw carriage for close

access in tight installations.

For polypropylene fusions, the Rolling 618 features a powerful hydraulic facer for fast and efficient facing of pipe ends.



## MACHINE FEATURES

PACKAGES

**A1869103 Gas**

**A1869106 Electric**



### REMOVABLE CARRIAGE

The 618 carriage can be easily removed for tight installations. The outer fixed jaw and skid can also be removed, converting it to a 3-jaw machine for an even more compact unit.



### SERRATED JAWS FOR MAXIMUM GRIP

All McElroy machine jaws and inserts feature deep serrations to provide the most secure clamping of the pipe.



### AVAILABLE HYDRAULIC CLAMPING

Save time and increase productivity by eliminating manual-crank clamp knobs on 618 machines. **To purchase, add "HC" to the end of the part numbers above.**



### DATALOGGER COMPATIBLE

Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 52 for more information.**

# TRACSTAR® 618 SERIES 2

BUTT FUSION CAPABILITY FOR 200mm-450mm (8"-18") POLYPROPYLENE PIPE

The new **TracStar 618 Series 2** has been completely redesigned based on feedback from the field. The Series 2 machines incorporate a new cowl

design that aids in heat dissipation – while providing easier access for machine maintenance. An updated electrical system increases the circuit protection

and a standard battery disconnect is now incorporated for easy lockout.



## MACHINE FEATURES

PACKAGE

**AT1830003**



### AVAILABLE HYDRAULIC CLAMPING

Save time and increase productivity by eliminating manual-crank clamp knobs on 618 machines. **To purchase, add "HC" to the end of the part number above.**



### SELF-PROPELLED

TracStar machines are mounted on all-terrain rubber tracks and are easily maneuverable on any jobsite with independent controls for each track.



### REMOVABLE CARRIAGE

The TracStar carriage can be easily removed for tight installations. The outer fixed jaw and skid can also be removed, converting it to a 3-jaw machine for an even more compact unit.



### DATALOGGER COMPATIBLE

Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 52 for more information.**



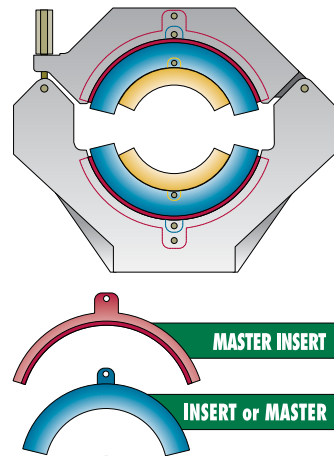
**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

# INSERTS

Our inserts have been surface-hardened for longer life. All inserts are serrated for maximum grip on the pipe. Inserts are made for one size pipe only. Not all inserts fit directly in the jaws. Some inserts nest inside other inserts, called master inserts.



**Note:** Other sizes of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs.

## BUTT FUSION INSERTS

INSERT SIZE	PIPE OD	PART NO.
<i>All inserts below fit in 18" OD (457mm) jaws</i>		
12" IPS Master	324mm (12.75")	<b>2411810</b>
450mm	450mm (17.72")	<b>2418201</b>
400mm	400mm (15.75")	<b>2412111</b>

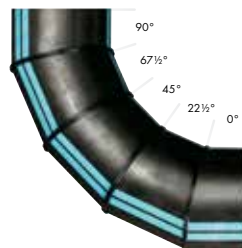
*All inserts below require 12" IPS Masters*

315mm	315mm (12.40")	<b>1211202</b>
250mm	250mm (9.84")	<b>1213503</b>
200mm	200mm (7.87")	<b>1207009</b>
160mm	160mm (6.3")	<b>1207011</b>

SET = 8 INSERTS

## 11.25° MITERED INSERTS

Mitered inserts are used to fabricate segmented ells. Our standard miter is 11¼°, other mitered angles are available upon request.



INSERT SIZE	PIPE OD	PART NO.
<i>All inserts below fit in 18" OD (457mm) jaws</i>		
12" IPS Master	324mm (12.75")	<b>2411810</b>
400mm x 11.25°	400mm (15.75")	<b>2420618</b>
315mm x 11.25°	315mm (12.40")	<b>2420614</b>

*All inserts below fit in 12" IPS Masters*

250mm x 11.25°	250mm (9.84")	<b>1214235</b>
200mm x 11.25°	200mm (7.87")	<b>1214234</b>

SET = 4 INSERTS AND 1 TEMPLATE

## PIT BULL® 618 SPECIFICATIONS

**Pit Bull 618 machine package includes** fusion machine, facer, 12" IPS - 18" OD heater, and insulated heater stand. Pit Bull HPU sold separately. Specifications subject to change without notice.

PACKAGES	
Pit Bull 618 Carriage	<b>AT1807503</b>
Pit Bull HPU Package	<b>T1810901</b>

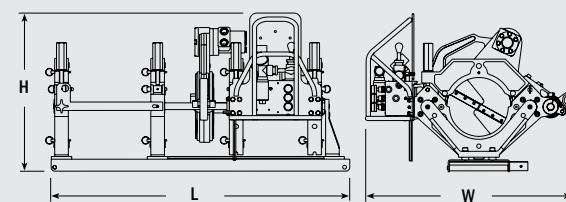
POWER	
Minimum Power Req.	5.2 kVA / 4.5 kW @ 240V, 1 Ph
Heater	3,000 Watt
Facer	Hydraulic
Electric Motor	5 HP

WEIGHT	
4-Jaw Carriage	445 lbs (202 Kg)
3-Jaw Carriage	350 lbs (158 Kg)
HPU	390 lbs (176.9 Kg)
Facer	91 lbs (41.3 Kg)
6" - 12" Heater	28 lbs (13 Kg)
12" - 18" Heater	34 lbs (15.4 Kg)

HYDRAULICS	
Max. Gauge Pressure	800 PSI (55.16 BAR)
Reservoir Capacity	10 Gallons (37 Liters)

CHASSIS & MOBILITY	
Frame	Welded steel construction
Tires	High-flotation inflatable
Transportation	Two wheel cart (HPU)

### DIMENSIONS



	Pit Bull 618	HPU
Width	44" (1,118mm)	32.5" (826mm)
Length	44" (1,118mm)	48" (1,219mm)
Height	33" (838mm)	41" (1,036mm)

## ROLLING 618 SPECIFICATIONS

**Rolling 618 machine package includes** fusion machine, facer, 12" IPS - 18" OD heater, and insulated heater stand. Specifications subject to change without notice.

PACKAGES	
Rolling 618 Electric-powered	<b>A1869106</b>
Rolling 618 Gas-powered	<b>A1869103</b>

**NOTE:** to purchase Rolling machine with Hydraulic Clamping, add "HC" to the end of the part number above.

POWER		
Input Voltage Req.	6.2 kVA/5.2 kW @ 220-240V, 50/60Hz, 3Ph	N/A, On-board generator
Heater	3,000 Watt	
Facer	Hydraulic	
Electric Motor	5 HP	N/A

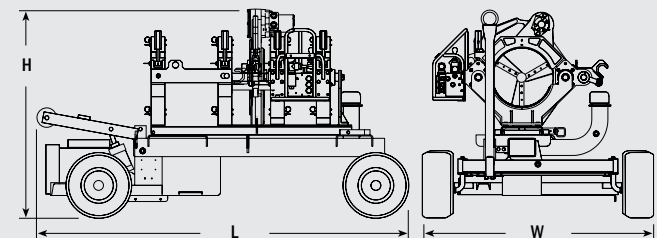
ENGINE		
Engine Type	N/A	18 HP Air Cooled V-Twin
Fuel Type	N/A	Gasoline
Fuel Tank Capacity	N/A	5 Gallons (18.92 Liters)
Operational Tank Cap.	N/A	8 Hours
Starting System	N/A	Electric

WEIGHT		
Machine	1,100 lbs (498 Kg)	1,335 lbs (606 Kg)
4-Jaw Carriage	445 lbs (202 Kg)	
3-Jaw Carriage	350 lbs (158 Kg)	
Facer	91 lbs (41.3 Kg)	
6" - 12" Heater	28 lbs (13 Kg)	
12" - 18" Heater	34 lbs (15.4 Kg)	

HYDRAULICS	
Max. Gauge Pressure	800 PSI (55.16 BAR)
Reservoir Capacity	6 Gallons (22.71 Liters)

CHASSIS & MOBILITY	
Frame	Welded steel construction
Tires	High-flotation inflatable

### DIMENSIONS



	Electric	Gas
Width	50" (1,270mm)	50" (1,270mm)
Length	83" (2,108mm)	85" (2,159mm)
Height	57" (1,448mm)	57" (1,448mm)

## TRACSTAR® 618 SERIES 2 SPECIFICATIONS

**TracStar 618 Series 2 machine package includes** fusion machine, facer, 12" IPS - 18" OD heater, insulated heater stand and lifting assembly. Specifications subject to change without notice.

PACKAGE	
TracStar 618	<b>AT1830003</b>

**NOTE:** to purchase TracStar machine with Hydraulic Clamping, add "HC" to the end of the part number above.

POWER	
Heater	3,000 Watt
Facer	Hydraulic

ELECTRICAL	
Input Voltage Req.	None, self-contained
AC Output	120V and 240V, 60Hz, 15 Amp

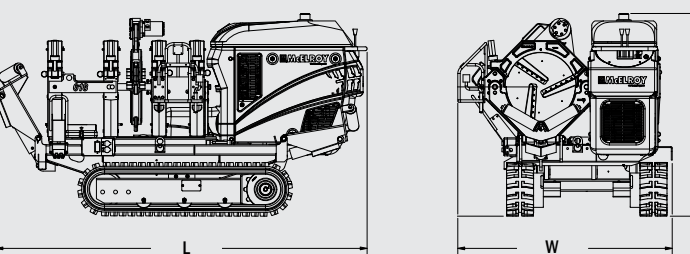
WEIGHT	
Machine	2,290 lbs (1,038.7 Kg)
4-Jaw Carriage	511 lbs (231.8 Kg)
3-Jaw Carriage	416 lbs (188.7 Kg)
Facer	94 lbs (42.6 Kg)
6" - 12" Heater	28 lbs (13 Kg)
12" - 18" Heater	34 lbs (15.4 Kg)

HYDRAULICS	
Max. Gauge Pressure	2,000 PSI (137.9 BAR)
Reservoir Capacity	8 Gallons (30.28 Liters)

ENGINE	
Engine Type	20 HP liquid cooled
Fuel Type	Diesel
Fuel Tank Capacity	5 Gallons (18.92 Liters)
Operational Tank Cap.	8 Hours
Starting System	Electric

CHASSIS & MOBILITY	
Frame	Welded steel construction
Tracked	Rubber crawler tracks
Vehicle Speed	1.5 MPH Max.

### DIMENSIONS



Width	56" (1,422mm)
Length	97" (2,464mm)
Height	53" (1,346mm)

# ACCESSORIES & REPLACEMENT PARTS FOR PIT BULL®, TRACSTAR® SERIES 2 AND ROLLING 618 MACHINES

## 4.63" BLADE SET

Includes 6 blades, screws and wrench.



STANDARD **T1208603**  
COATED **T1208603C**  
CARBIDE **T1208603T**

## 9.12" FACER BLADE SET

Spans the entire facer range without repositioning.

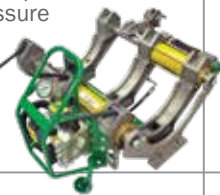


STANDARD **T1812602**  
COATED **T1812602C**

## LOWER 3-JAW CONVERSION PACKAGE

Lower 3-jaw carriage only package to adapt existing Rolling, TracStar or Pit Bull machine components for low pressure fusions.

**T1825501**



## DATALOGGER® 6

Record and document fusion process parameters and details. **DL18001**

NEW!



**HEATER PLATE KIT** Includes 2 plates and screws.

6" - 12" **A1242108**  
12" - 18" **A1852013**

## FACER STAND

Facer stand provides a convenient place to protect and store your facer.

**T1801101**



## LOW FORCE CONVERSION KIT

Converts 1500 PSI machines to 400 PSI machines.

**A1280101**



## STUB END HOLDER

Self-centering stub end holder to hold stub end for butt fusion.

**1879101**

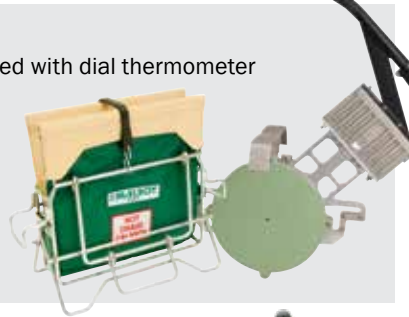


## 6" - 12" HEATER

Microprocessor-controlled with dial thermometer to monitor temperature. Includes heater plates, insulated heater stand and stripper bars.

**1855502**

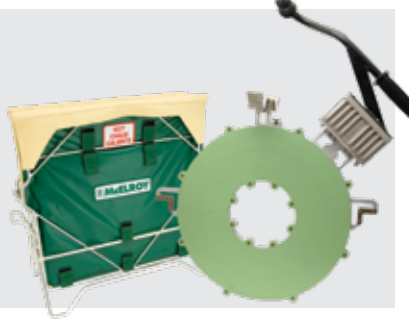
Not included with machine package. Must be ordered separately.



## 12" - 18" HEATER

Microprocessor-controlled with dial thermometer to monitor temperature. Includes heater plates, insulated heater stand and stripper bars.

**1852019**



## SHIPPING CONTAINER

For Rolling and TracStar 618

**SED01218**



## 25' HYDRAULIC EXTENSION HOSES

Set of four 25' hydraulic extension hoses. **1219105**

## HEATER CADDY

Allows the heater and heater bag to attach to a TracStar.

**AT1818602**

RETROFIT KIT FOR MACHINES BUILT BEFORE 9/2010 **AT1818601**



## PYROMETER

Accurately checks surface temperatures of heater. **A218804**



**25' HEATER EXTENSION CORD** **1219002**

## HYDRAULIC PIPE STAND

Adjustable pipe stand to properly support, position and align pipe to be fused.

**AT5066701 STAND ONLY**



**AT5066702 WITH HYDRAULIC PIPE ADJUST**

**AT5066703 WITH HYDRAULIC PIPE ADJUST AND PUMP**

## LOW PROFILE ROLLERS

Aids by reducing drag and protecting the pipe from damage. Image shown is one set (2 rollers).

1 SET **A1867502**  
CASE (40 SETS) **A1867501**



**POLYHORSE®** Pipe handling system that consists of adjustable racks to store and help install pipe.

**1875501**

WITH POWERASSIST **1875502**



# TRACSTAR® 500 SERIES 3

BUTT FUSION CAPABILITY FOR 315mm-500mm (12"-20") POLYPROPYLENE PIPE

The TracStar 500 Series 3 is designed to offer the utmost maneuverability and flexibility on a jobsite. The robust features include a strong hydraulic facer for fast and efficient facing of pipe ends. The on-board engine and generator powers both

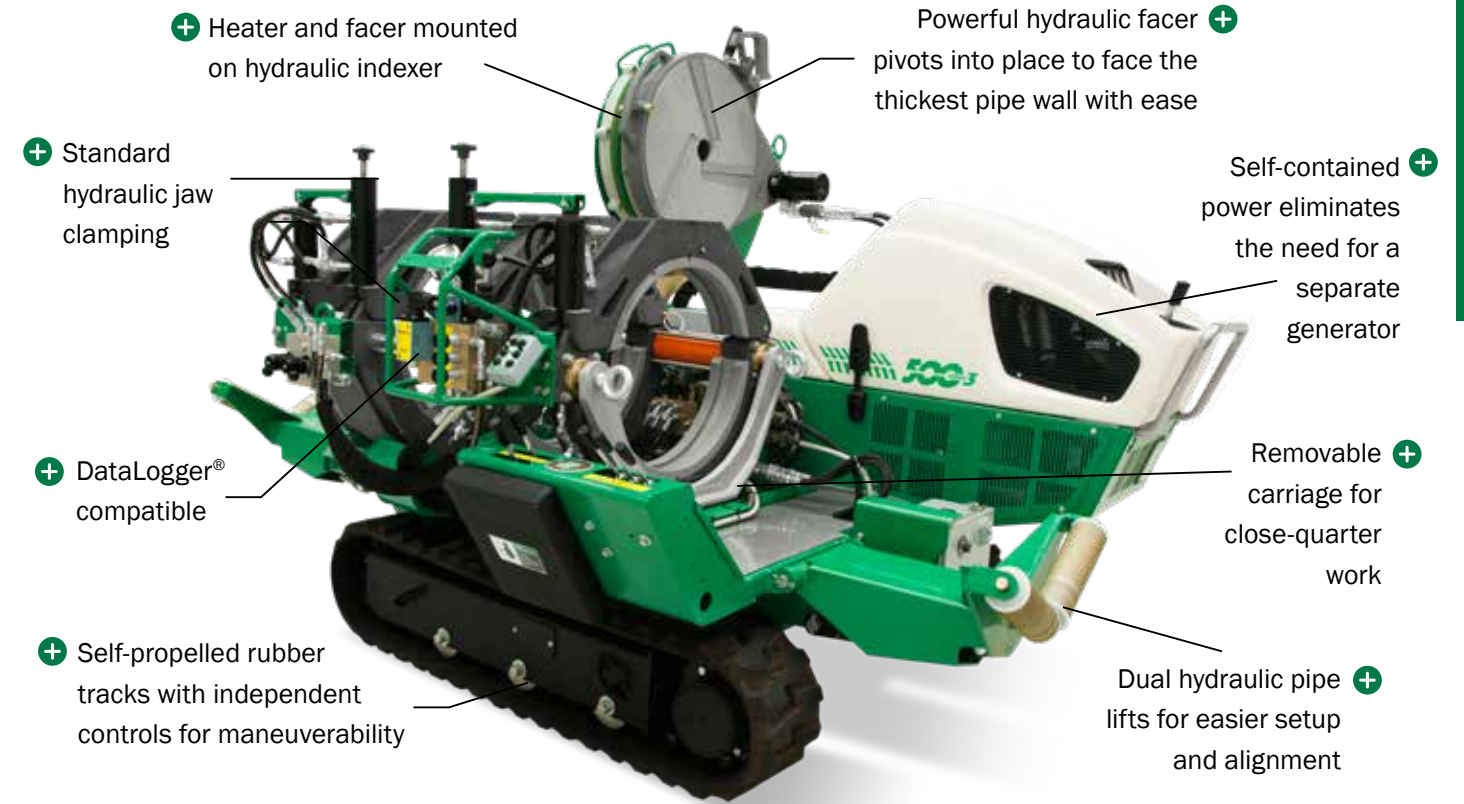
the hydraulics and heater.

The TracStar 500 offers a self-contained, self-propelled, track-mounted vehicle that can handle grades up to 30 percent.

The TracStar 500 incorporates a removable carriage for polypropylene

fusion operations remote from the vehicle.

For installations in limited space, the outer fixed jaw and skid can be removed from the carriage, converting it to a 3-jaw carriage for an even more compact fusion unit.



## MACHINE FEATURES

PACKAGE

**AT5000111**



### SELF-CONTAINED

The McElroy TracStar line has self-contained power — eliminating the need for a separate generator.



### SELF-PROPELLED

TracStar machines are mounted on all-terrain rubber tracks and are easily maneuverable on any jobsite with independent controls for each track.



### REMOVABLE CARRIAGE

The TracStar carriage can be easily removed for tight installations. The outer fixed jaw and skid can also be removed, converting it to a 3-jaw machine for an even more compact unit.



### DATALOGGER® COMPATIBLE

Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. See pg 52 for more information.

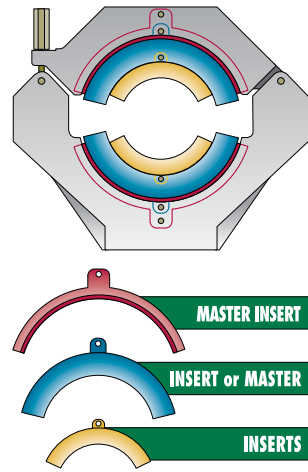


**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

# INSERTS

Our inserts have been surface-hardened for longer life. All inserts are serrated for maximum grip on the pipe. Inserts are made for one size pipe only. Not all inserts fit directly in the jaws. Some inserts nest inside other inserts, called master inserts.

**Note:** Other sizes of inserts are available upon request. Contact your McElroy representative about inserts to fit your needs.



## BUTT FUSION INSERTS

INSERT SIZE	PIPE OD	PART NO.
-------------	---------	----------

All inserts below fit in 500mm jaws

18"/500mm OD Master	457mm (18.00")	<b>T5004206</b>
---------------------	----------------	-----------------

All inserts below require 18" OD Masters

450mm	450mm (17.72")	<b>2418201</b>
400mm	400mm (15.75")	<b>2412111</b>
12" IPS Master	324mm (12.75")	<b>2411810</b>

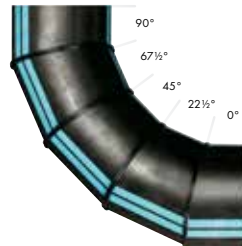
All inserts below require 12" IPS & 18"/500mm OD Masters

315mm	315mm (12.40")	<b>1211202</b>
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SET = 8 INSERTS

## 11.25° MITERED INSERTS

Mitered inserts are used to fabricate segmented ells. Our standard miter is 11¼°, other mitered angles are available upon request.



INSERT SIZE	PIPE OD	PART NO.
-------------	---------	----------

All inserts below fit in 500mm jaws

18"/500mm OD Master	457mm (18.00")	<b>T5004206</b>
---------------------	----------------	-----------------

All inserts below require 18" OD Masters

400mm x 11.25°	400mm (15.75")	<b>2420618</b>
315mm x 11.25°	315mm (12.40")	<b>2420614</b>
12" IPS Master	324mm (12.75")	<b>2411810</b>

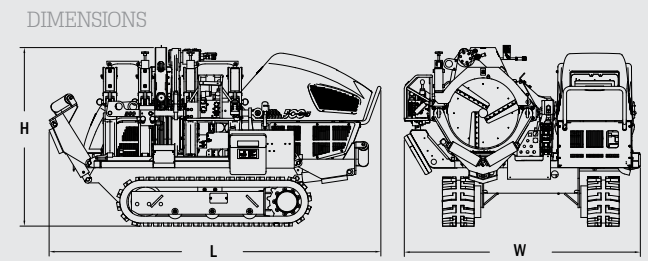
SET = 4 INSERTS AND 1 TEMPLATE

# TRACSTAR® 500 SERIES 3 SPECIFICATIONS

TracStar 500 Series 3 machine package includes fusion machine, facer, heater, insulated heater stand and lifting assembly. Specifications subject to change without notice.

PACKAGE	
TracStar 500 Series 3	<b>AT5000111</b>
POWER	
Heater	5,000 Watt
Facer	Hydraulic
ENGINE	
Engine Type	23.5 HP, 1,001cc, 3-cylinder liquid cooled
Fuel Type	Diesel
Fuel Tank Capacity	11 Gallons (41.6 Liters)
Operational Tank Capacity	11 Hours
Starting System	Electric
WEIGHT	
Machine	3,123 lbs (1,417 Kg)
4-Jaw Carriage	750 lbs (340.2 Kg)
3-Jaw Carriage	365 lbs (165.6 Kg)
HPU	N/A
Facer	98 lbs (44.5 Kg)
6" - 12" Heater	N/A
12" - 20" Heater	N/A
6" - 20" Heater	63 lbs (28.6 Kg)

HYDRAULICS	
Max. Gauge Pressure	800 PSI (55.16 BAR)
Reservoir Capacity	12 Gallons (45.4 Liters)
CHASSIS & MOBILITY	
Frame	Welded steel construction
Tires/Tracks	Rubber crawler tracks
Transportation	Self-propelled
Vehicle Speed	Low 1.18 MPH / High 2.1 MPH



Width	68" (1,727mm)
Length	95" (2,413mm)
Height	51" (1,295mm)

# ACCESSORIES & REPLACEMENT PARTS FOR TRACSTAR® 500 SERIES 3 MACHINES

**6" - 20" TRACSTAR HEATER**  
Microprocessor-controlled with dial thermometer to monitor temperature. Includes heater plates, insulated heater stand and stripper bars. **T5048001**

**FACER BLADE SET**  
Includes 6 blades, screws and wrench.

**FACER STAND** Facer stand provides a convenient place to protect and store your facer. **T5004701**

STANDARD	<b>T5005006</b>
COATED	<b>T5005006C</b>
CARBIDE	<b>T5005007T</b>

**SHIPPING CONTAINER**  
Protects and transports TracStar machine. **SED00500**

**STUB END HOLDER**  
Self-centering stub end holder to hold stub end for butt fusion. **1879101**

**HOSE & EXTENSION KIT**  
25' facer extension hoses, carriage extension hoses, switch box and indexer extension cables. **T5002006**

**25' HEATER EXTENSION CORD**  
**1219002**

**PYROMETER**  
Accurately checks surface temperatures of heater. **A218804**

**HEATER PLATE KIT**  
Includes 2 plates and screws. **AT5048011**

**DATALOGGER® 6**  
Record and document fusion process parameters and details. **DL18001**

**MEGAMC® ROLLERS**  
Aids by reducing drag and protecting the pipe from damage for large diameter pipe. **4842401**

**POLYHORSE®** Pipe handling system that consists of adjustable racks to store and help install pipe. **1875501**

WITH POWERASSIST **1875502**

**LOW PROFILE ROLLERS**  
Aids by reducing drag and protecting the pipe from damage. Image shown is one set (2 rollers). **1 SET A1867502**  
**CASE (40 SETS) A1867501**

**HYDRAULIC PIPE STAND**  
Adjustable pipe stand to properly support, position and align pipe to be fused. **AT5066701 STAND ONLY**  
**AT5066702 WITH HYDRAULIC PIPE ADJUST**  
**AT5066703 WITH HYDRAULIC PIPE ADJUST AND PUMP**

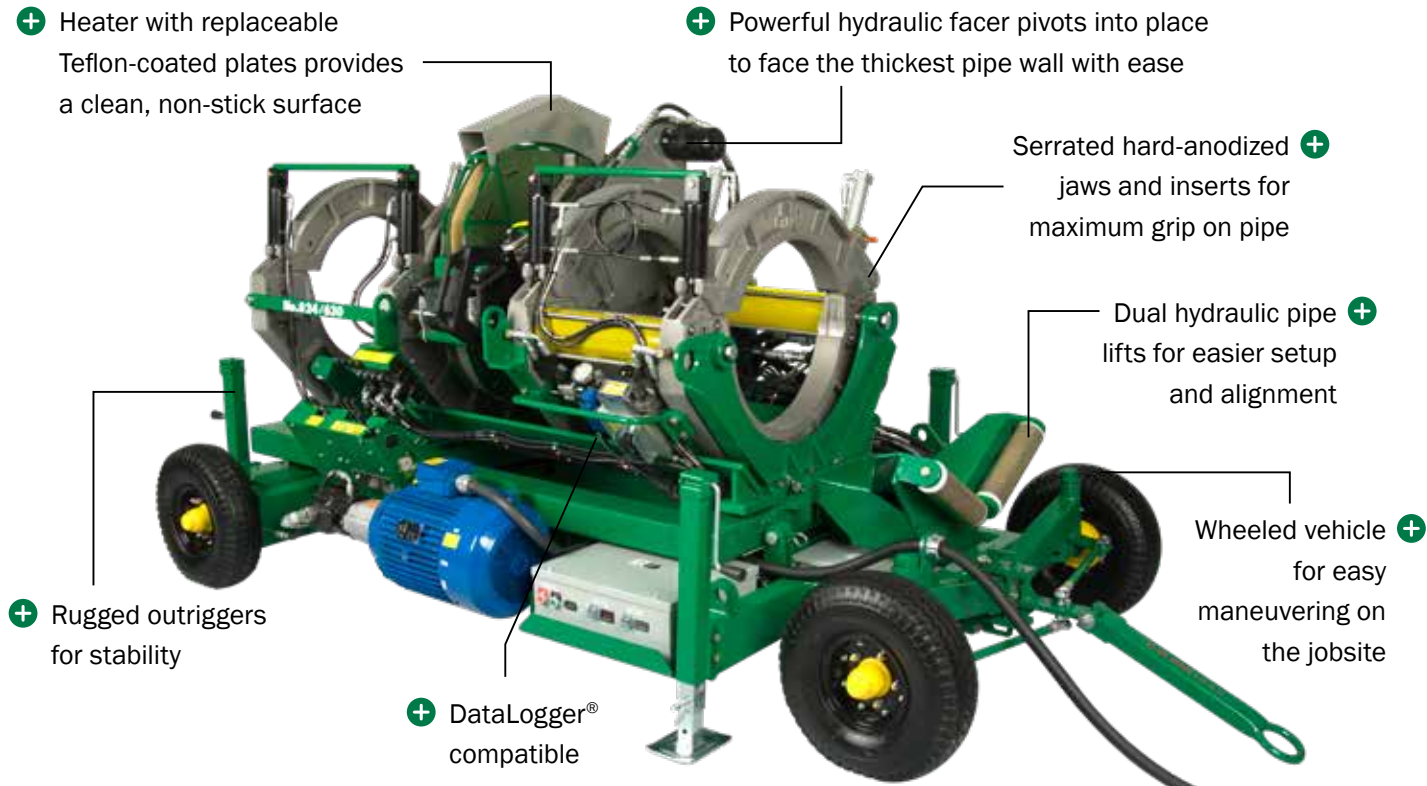
# MEGAMC® 824 SERIES 2

BUTT FUSION CAPABILITY FOR 355mm-630mm (14"-24") POLYPROPYLENE PIPE

The McElroy **MegaMc 824 Series 2** is a mix of muscle and versatility. Operators can butt fuse pipe sizes from 355mm to 630mm (14"-24") above ground or in the ditch with the same joint quality. The carriage on the new machine features

improved hydraulic and electric connectors that are interchangeable with the TracStar® 630 Series 2 machines. This versatility allows operators to mount the carriage on a rolling or tracked vehicle. The 824 was the first machine of this size designed

specifically for in-ditch, close-quarter work with the flexibility of smaller diameter fusion machines. It features hydraulically-powered assists for all fusion operations, including the operation of the jaws, pipe lifts, heater and facer.



## MACHINE FEATURES

PACKAGE **A2474803**



**REMOVABLE CARRIAGE**  
The 824 carriage can be easily removed for tight installations. The outer fixed jaw and skid can also be removed converting it to a 3-jaw machine for an even more compact unit.



**SERRATED JAWS FOR MAXIMUM GRIP**  
All McElroy machine jaws and inserts feature deep serrations to provide the most secure clamping of the pipe.



**A MIX OF MUSCLE AND VERSATILITY**  
The MegaMc 824 features hydraulically-powered assists for all fusion operations, including the jaws, pipe lifts, heater and facer.



**DATALOGGER® COMPATIBLE** Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 52 for more information.**

# TRACSTAR® 630 SERIES 2

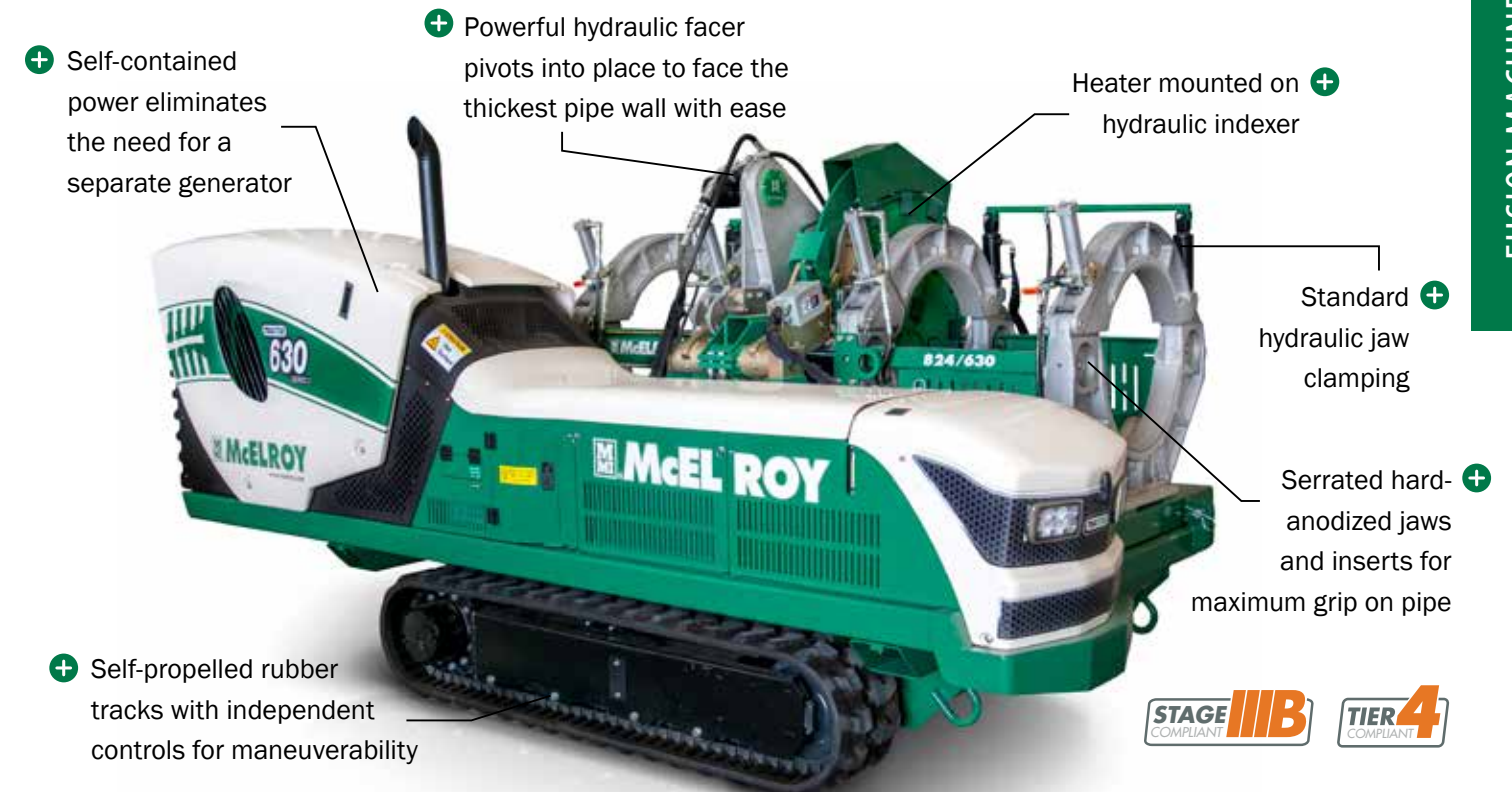
BUTT FUSION CAPABILITY FOR 355mm-630mm (14"-24") POLYPROPYLENE PIPE

The **TracStar 630 Series 2** offers a self-contained, self-propelled, track-mounted vehicle that can handle grades up to 30 percent. It incorporates an interchangeable 4-jaw carriage that can be easily removed for polypropylene fusion operations remote

from the vehicle. For installations in limited space, the outer fixed jaw and skid can be removed from the carriage, converting it to a 3-jaw carriage for an even more compact fusion unit.

The TracStar 630 Series 2 is designed

to offer the utmost maneuverability and flexibility on a jobsite. The robust features include a strong hydraulic facer for fast and efficient facing of pipe ends. The on-board engine and generator powers both the hydraulics and heater.



## MACHINE FEATURES

PACKAGE **AT2418503**



**SELF-CONTAINED**  
The McElroy TracStar line has self-contained power — eliminating the need for a separate generator.



**SELF-PROPELLED**  
TracStar machines are mounted on all-terrain rubber tracks and are easily maneuverable on any jobsite with independent controls for each track.



**REMOVABLE CARRIAGE**  
The TracStar carriage can be easily removed for tight installations. The outer fixed jaw and skid can also be removed, converting it to a 3-jaw machine for an even more compact unit.



**DATALOGGER® COMPATIBLE** Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 52 for more information.**



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)

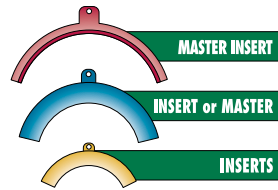


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# INSERTS

Our inserts have been surface-hardened for longer life. All inserts are serrated for maximum grip on the pipe. Inserts are made for one size pipe only. Not all inserts fit directly in the jaws. Some inserts nest inside other inserts, called master inserts.



## BUTT FUSION INSERTS

INSERT SIZE	PIPE OD	PART NO.
<i>All inserts below fit in 630mm jaws</i>		
24" OD fabricated	610mm (24.00")	2411604 *
22" OD	560mm (22.00")	2411919
20" DIPS	549mm (21.60")	2411922
20" OD	508mm (20.00")	2412010
500mm	500mm (19.69")	2412011
18" DIPS	495mm (19.50")	2412023
18" Master	457mm (18.00")	2411708

*All inserts below require 18" OD Masters*

450mm fabricated	450mm (17.72")	2418201
16" DIPS	442mm (17.40")	2412117
16" OD	406mm (16.00")	2412110
400mm	400mm (15.75")	2412111
14" DIPS	389mm (15.30")	2412215
355mm	355mm (14.00")	2412206
340mm	340mm (13.39")	2411811
12" DIPS	335mm (13.20")	2411826
12" Master	324mm (12.75")	2411810

*All inserts below require 12" OD and 18" OD Masters*

315mm	315mm (12.40")	1211202
10" DIPS	282mm (11.10")	1207221
280mm	280mm (11.02")	1207205
10" IPS	273mm (10.75")	1207204
250mm	250mm (9.84")	1213503
8" DIPS	230mm (9.05")	1207107
225mm	225mm (8.86")	1207010
8" IPS	219mm (8.63")	1207104

\* Included with machine package

SET = 8 INSERTS

## 11.25° MITERED INSERTS

Mitered inserts are used to fabricate segmented ells. Our standard miter is 11¼°, other mitered angles are available upon request.

INSERT SIZE	PIPE OD	PART NO.
<i>All inserts below fit in 630mm jaws</i>		
18" Master	457mm (18.00")	2411708
500mm x 11.25°	500mm (19.69")	2412014
450mm x 11.25°	450mm (17.72")	1411214

*All inserts below require 18" OD Masters*

400mm x 11.25°	400mm (15.75")	2420618
355mm x 11.25°	355mm (14"OD)	2420617

SET = 4 INSERTS AND 1 TEMPLATE

# MEGAMC® 824 SERIES 2 AND TRACSTAR® 630 SERIES 2 SPECIFICATIONS

MegaMc 824 and TracStar 630 Series 2 machine packages include fusion machine, facer, heater, 24" OD butt fusion inserts, and lifting assembly. Specifications subject to change without notice.

Note: TracStar 630 Series 2 includes remote control with rechargeable batteries.

### PACKAGES

MegaMc 824 Series 2	A2474803
TracStar 630 Series 2	AT2418503

POWER	MegaMc 824	TracStar 630
Input Voltage Req.	220 - 240V, 50/60Hz, 3Ph	N/A
Heater	10,950 Watt	
Facer	Hydraulic	
Electric Motor	20 HP, 3Ph, 240V	N/A

ENGINE	MegaMc 824	TracStar 630
Engine Type	N/A	74HP (55Kw) charge air cooled
Fuel Type	N/A	Ultra Low Sulfur Diesel
Fuel Tank Capacity	N/A	23 Gallons (87 Liters)
Operational Tank Cap.	N/A	12 Hours
Starting System	N/A	Electric

### WEIGHT

Machine	6,000 lbs (2,722Kg)	9,075 lbs (4,116 Kg)
4-Jaw Carriage	3,885 lbs (1,762 Kg)	
3-Jaw Carriage	1,412 lbs (640 Kg)	
Facer	390 lbs (177 Kg)	
Heater	240 lbs (109 Kg)	

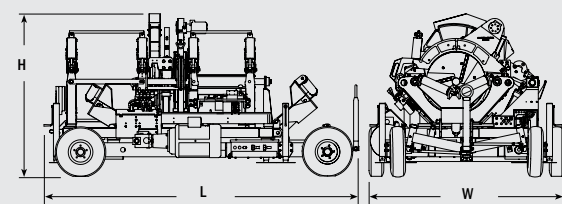
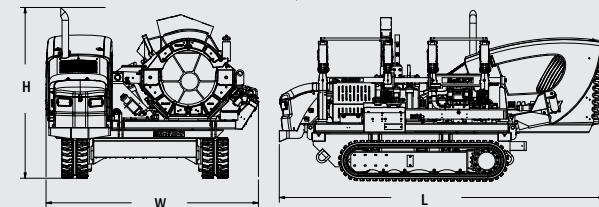
### HYDRAULICS

Max. Gauge Pressure	2,300 PSI (158 BAR)
Reservoir Capacity	28 Gal. (106 Liters)    23 Gal. (87 Liters)

### CHASSIS & MOBILITY

Frame	Welded steel construction	
Tires/Tracks	6.9 - 9NHS, 75 PSI Max.	Rubber crawler tracks
Transportation	Pulled via tow ring	Self-propelled
Vehicle Speed	N/A	Low 1 MPH High 1.5 MPH

### DIMENSIONS



	MegaMc 824	TracStar 630
Width	85" (2,159mm)	98" (2,489mm)
Length	134" (3,404mm)	150" (3,810mm)
Height	69" (1,753mm)	79" (2,007mm)

# ACCESSORIES & REPLACEMENT PARTS FOR MEGAMC® 824 SERIES 2 AND TRACSTAR® 630 SERIES 2 MACHINES

### FACER BLADE KITS

Includes 6 blades, screws and wrench.



STANDARD	3615710
COATED	3615710C
CARBIDE	3615701T



### 11" FACER BLADE SETS

Includes 6 blades, screws and wrench.

STANDARD	3615712
COATED	3615712C



**STUB END HOLDER**  
Holds stub end for butt fusion. **2419501**

### DATALOGGER® 6

Record and document fusion process parameters and details. **DL18001**



**EXTENSION KIT**  
40' hydraulic extension hoses and cable. **T2408301**



**HEATER PLATE KIT** Plates have an anti-stick coating and are required for butt fusion. Kit includes 2 plates and screws. **A2428506**

### HEATER/FACER STAND

Recommended for tight installations where top loading is necessary. **T2409101**



### MEGAMC® POLYHORSE®

Pipe-handling system for 500mm to 1,200mm pipe. **4834001**



**MEGAMC® ROLLERS** Reduce the drag on large-diameter pipe and protect the pipe from damage. **4842401**



### MEGAMC® PIPE STAND

Powered pipe stand with lateral and vertical movement.

GAS	3645001
DIESEL	3645002



### LARGE HYDRAULIC PIPE STAND

Powered by the machine for 4" IPS to 36" OD (110mm to 900mm) pipe. **T9055701**

Requires valve/hose kit **AT9055901**

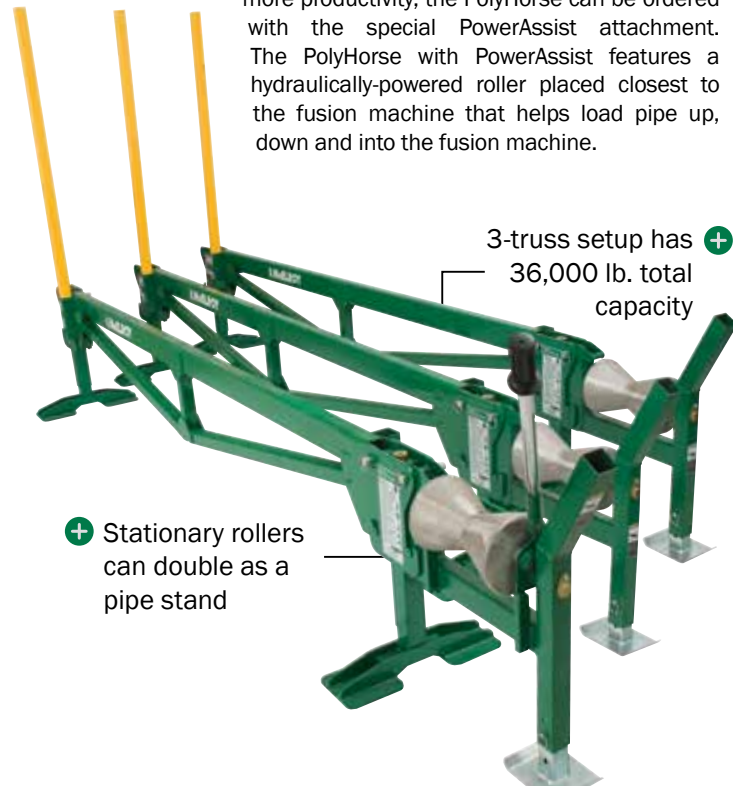


# PIPE HANDLING ACCESSORIES

PRODUCTIVITY TOOLS FOR 32mm-1,400mm POLYPROPYLENE PIPE

The McElroy **PolyHorse**® is a pipe-handling system that consists of a series of adjustable racks to store and help install pipe on the jobsite. For use with polypropylene pipe sizes from 90mm to 500mm, the PolyHorse can reduce labor expenses by providing an efficient, less hazardous work environment for handling pipe bundles and enhance jobsite productivity.

Pipe is off-loaded from the delivery truck directly onto the PolyHorse, off the ground and out of the way until needed. For even more productivity, the PolyHorse can be ordered with the special PowerAssist attachment. The PolyHorse with PowerAssist features a hydraulically-powered roller placed closest to the fusion machine that helps load pipe up, down and into the fusion machine.

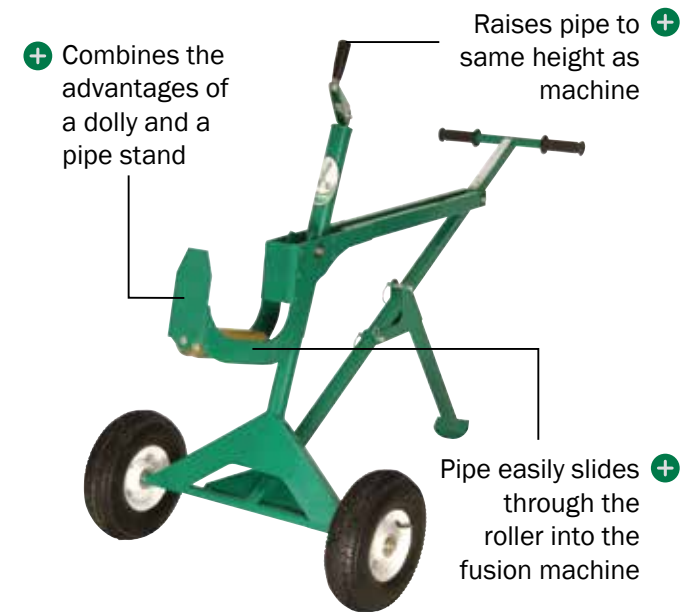


+ 3-truss setup has 36,000 lb. total capacity

+ Stationary rollers can double as a pipe stand

The **PolyPorter**® can lift 63mm - 250mm pipe. Created from the mind of a pipeline contractor, it is an innovative workhorse that tackles the job of handling pipe in the field. The PolyPorter combines the mechanical advantage of a dolly with the functionality of a pipe stand, to create one of the most useful pipeline tools.

One person can easily load a length of pipe without strain, the pipe can then be slid easily through the roller-equipped hook arm into the fusion machine. The jack enables the operator to raise and lower the PolyPorter to level the pipe in uneven terrain to the height of the machine.



+ Combines the advantages of a dolly and a pipe stand

+ Raises pipe to same height as machine

+ Pipe easily slides through the roller into the fusion machine

**Pipe Stands** save wear and tear on machinery, reduce strain on operators and make the fusion process easier. Pipe stands are adjustable for uneven terrain so that the pipe is supported at the same height as the machine. When building a pipeline, pipe stands can greatly increase productivity. By bringing the pipe in parallel to the machine, it is much easier to adjust hi/low and achieve a square face-off.



+ Lateral and vertical movement

+ Adjustable for uneven conditions

+ Properly support, position and align pipe to be fused

32mm - 250mm

906501

110mm - 500mm

AT5066701 MANUAL  
AT5066702 HYDRAULIC (NO PUMP KIT)  
AT5066703 HYDRAULIC (WITH PUMP KIT)

110mm - 900mm

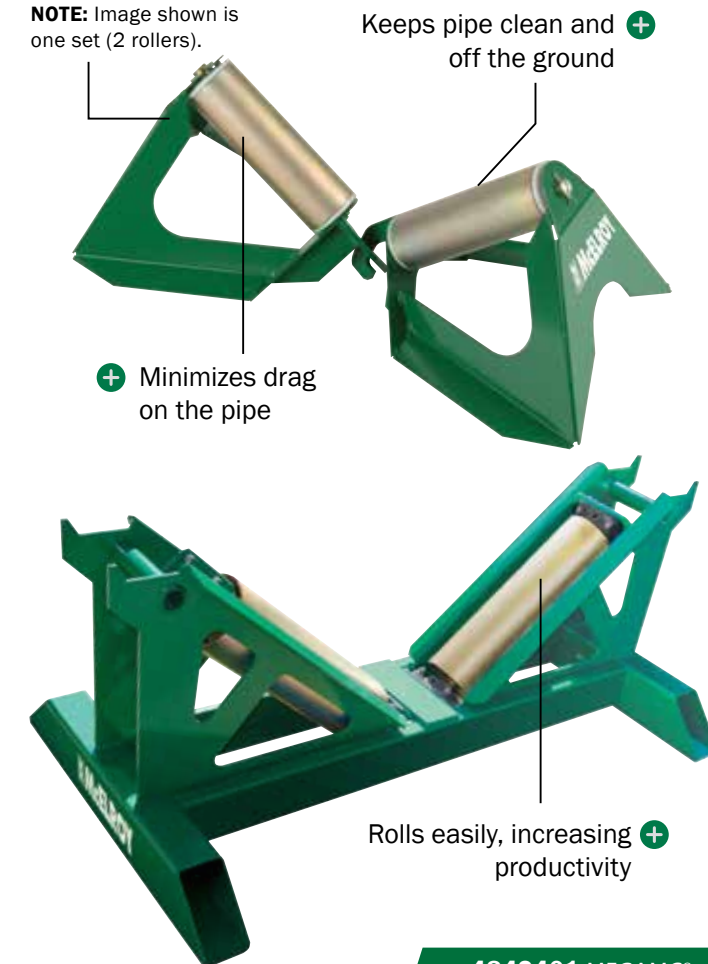
T9055701 MANUAL

225mm - 900mm

PACKAGES 3645001 GAS 3645002 DIESEL

McElroy offers **Low Profile Rollers** for use with a range of pipe from 100mm to 1,400mm. McElroy rollers allow you to pull a string of thermoplastic pipe around a curve and over considerable distances. Pipe and the fusion joints slide easily through the rollers and stay off the ground, keeping the pipe clean, reducing damage and increasing productivity.

NOTE: Image shown is one set (2 rollers).



+ Keeps pipe clean and off the ground

+ Minimizes drag on the pipe

+ Rolls easily, increasing productivity

4842401 MEGAMC®

PACKAGES A1867501 CASE (40 SETS) A1867502 1 SET

PACKAGES 1875501 1875502 WITH POWERASSIST

PACKAGE 864201



**ENHANCES PRODUCTIVITY BY 150%**  
The PolyHorse racks hold pipe when its delivered and allow the pipe to be maneuvered and loaded by one operator.



**MODULAR, QUICK SETUP**  
The PolyHorse can be tailored to your jobsite needs – eliminating machinery or manpower needed to lift and load pipe in the fusion machine.



**INCREASE PRODUCTIVITY**  
The PolyPorter allows one operator to maneuver a stick of pipe into the fusion machine at the proper height.



**WORK SMARTER**  
By simply tipping the PolyPorter towards the ground, one operator can scoop up the length of pipe – reducing strain on operators.



**SAVE WEAR AND TEAR ON EQUIPMENT**  
McElroy pipe stands are adjustable for uneven terrain so that pipe is supported at the same height as the fusion machine.



**INCREASE PRODUCTIVITY**  
Instead of moving the machine for each joint, pipe stands allow the fused pipe to be pulled through the machine while rolling a new stick in to place.



**MINIMIZES PIPE DAMAGE**  
Low Profile Rollers are strong, tip resistant and designed for use with pipe from 100mm to 450mm in diameter – with a maximum load of 2,500 lbs.



**COMPACT STORAGE IN REUSABLE CRATE**  
Each case of Low Profile Rollers, containing 40 sets of rollers, fits in the bed of a standard pick-up truck.



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by us to be free from defects in materials and workmanship for 5 years. (See website for details.)



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# DATALOGGER® 6

## FUSION JOINT VERIFICATION AND DOCUMENTATION

The **DataLogger 6** captures the most important data from your fusion jobsite to ensure that a joint was fused with the correct pressure and times according to supported standards. The ruggedized, Android-powered tablet records and documents key parameters of the fusion process, including

heat soak times, heating pressure, open/close times, fusion time, fusion pressure and cool time. A real-time graph gives the operator immediate, visual feedback and information regarding the integrity of each fusion joint.

Joint records from the DataLogger 6 can be securely stored and analyzed online in the DataLogger Vault™ - allowing quick and easy sorting, tagging and sharing of joint records by machine, joint, operator, device or job.

Joint records from the DataLogger 6 can

- + Front and rear cameras capture jobsite conditions
- + Easy-to-understand interface makes logging joint data simple
- + In-app reference has context-sensitive help built into it



Barcode scanner easily inputs pipe and fitting info

Long-life battery provides power for an entire work day

Ruggedized tablet is rated IP-67 water and dust resistant

## FEATURES



### ANDROID-POWERED, RUGGED TABLET

The DataLogger 6 is ready for almost any jobsite challenge with the highest-rated dust protection, along with water resistance up to 1 meter. The capacitive touchscreen is glove-friendly and uses Lumi-Bond® display technology to produce excellent visibility in sunlight.



### USER-FRIENDLY INTERFACE

The interface of the DataLogger 6 was designed to be easy to use. It features large, touchscreen buttons and concise on-screen instructions to guide users through the process.



### REAL-TIME ANALYSIS

Monitor joint integrity during the fusion process. Record and document key parameters with a real-time fusion graph that gives the operator immediate visual feedback regarding the integrity of each fusion joint.



### VAULT™ COMPATIBLE

The DataLogger wirelessly syncs with the Vault, allowing safe and secure storage of fusion joint records online. Joint records can be viewed, shared, or analyzed anywhere you have an internet connection.

PACKAGES

DL18001



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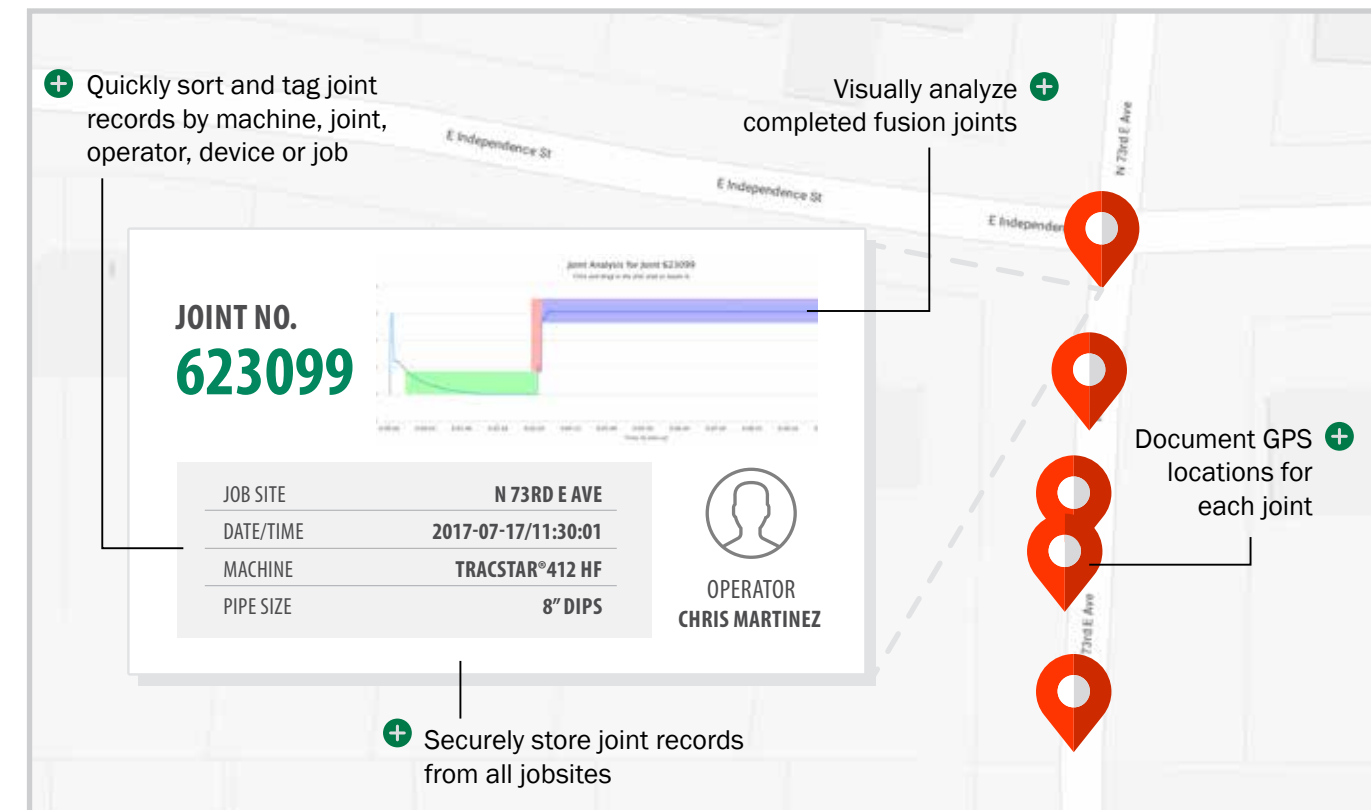
# VAULT™

## STORE, SHARE AND ANALYZE FUSION JOINT DATA

Safely store, review and share details from every fusion joint on your jobsite with the **Vault**. Information related to your job includes operator, machine and pipe

specifics. GPS locations for every joint are stored, along with a FusionGuide™ graph, for in-depth examination and review before the pipeline is put into service.

Joint data is accessible anywhere there is a connection to the internet and is compatible with DataLogger® 4, 5 and 6.



## FEATURES



### SECURE STORAGE

Information uploaded to the Vault is hosted on a secure server that is actively monitored, maintained and backed up. Technical details regarding data security are available upon request.



### REVIEW GPS LOCATIONS FOR EVERY JOINT

Vault records include GPS coordinates for every fusion joint logged with a DataLogger. Each location is easily viewed in-line on a map and is tied to each joint's unique ID for future reference.



### SHARE AND ANALYZE JOINT RECORDS FROM ANYWHERE

Vault data is accessible anywhere there is a connection to the internet. An operator in one location can upload data which can be immediately reviewed by an inspector in a separate location.



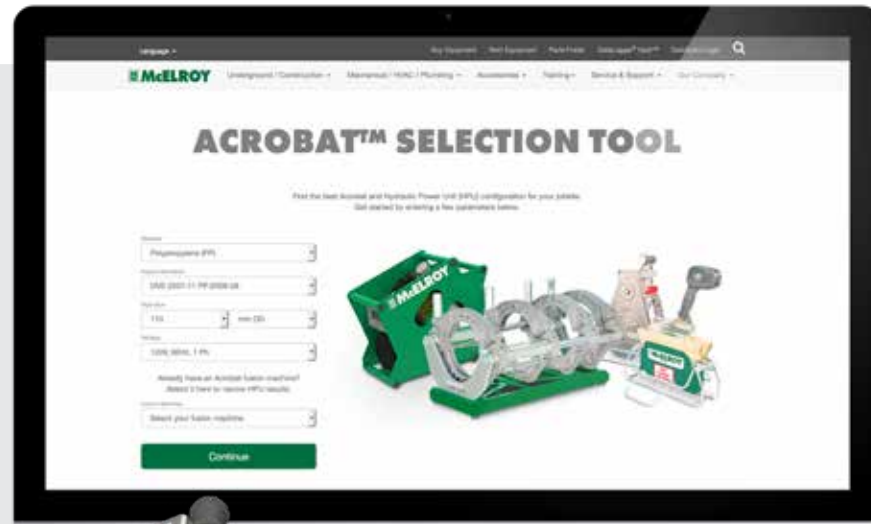
### EASILY EXPLORE JOINT RECORDS

When joint data is uploaded to the Vault, a user-friendly card view allows details to be quickly sorted and reviewed by job number, location, operator, machine and more.

# DIGITAL TOOLS

## ACROBAT™ SELECTION TOOL

Find the best Acrobat and Hydraulic Power Unit (HPU) configuration for your jobsite. It's quick and easy. Go to [www.mcelroy.com/fusion/acrobatselectiontool.htm](http://www.mcelroy.com/fusion/acrobatselectiontool.htm) to discover your Acrobat package.



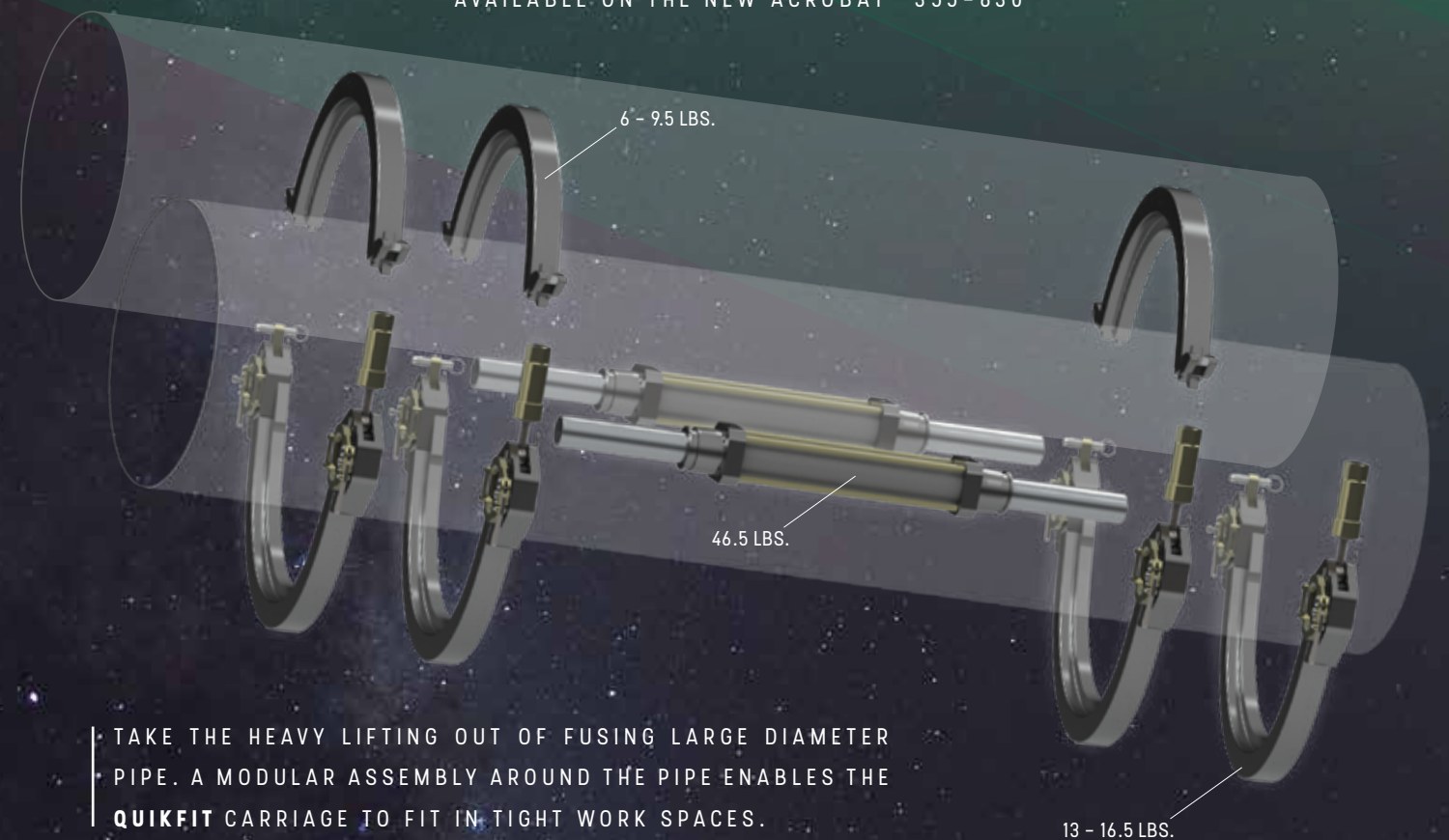
## MCCALC® FUSION PRESSURE CALCULATOR

Download the McCalc app for your smartphone or tablet device to help you quickly find the correct fusion pressure for your job. Visit [www.mcelroy.com/fusion/calculate.htm](http://www.mcelroy.com/fusion/calculate.htm) for more information.



# THE FUTURE OF FUSION IS COMING

THE REVOLUTIONARY **QUIKFIT™** CARRIAGE  
AVAILABLE ON THE NEW ACROBAT™ 355-630



TAKE THE HEAVY LIFTING OUT OF FUSING LARGE DIAMETER PIPE. A MODULAR ASSEMBLY AROUND THE PIPE ENABLES THE QUIKFIT CARRIAGE TO FIT IN TIGHT WORK SPACES.

- ACROBAT QUIKFIT PACKAGES
- A2480101 355/400
  - A2480102 450/500
  - A2480103 560/630



INCLUDES CARRIAGE COMPONENTS (HYDRAULIC CYLINDERS WITH GUIDE RODS AND 2 SETS OF JAW SIZES), HEATER, AND FACER.

AVAILABLE SUMMER 2018



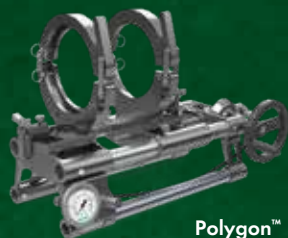
PATENTS PENDING

[mcelroy.com](http://mcelroy.com)

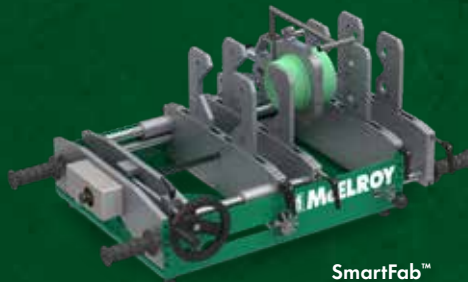
# THE LEADER IN THERMOPLASTIC PIPE FUSION MACHINES AND ACCESSORIES



Acrobat™



Polygon™



SmartFab™



Spider™



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