



# McELROY

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

# THE LEADER IN THERMOPLASTIC PIPE FUSION



Acrobat™ 160



Socket Fusion Tooling



Spider™ 125 with Universal Clamping



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# THE LEADER IN THE SCIENCE OF JOINING THERMOPLASTIC PIPE.

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 polypropylene and polyethylene 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 products.

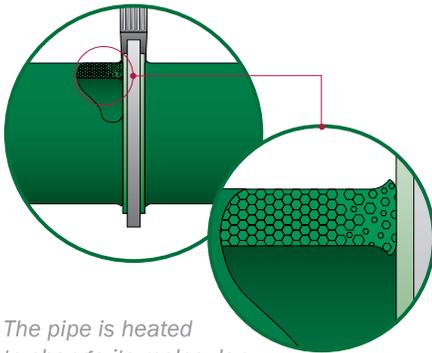
McElroy's focus on innovation has always spurred growth. We have expanded countless times over the years. Each expansion had one primary aim – gain the physical space needed to bring our inventions to life and better meet our customers' demands. Today, McElroy has combined manufacturing and assembly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



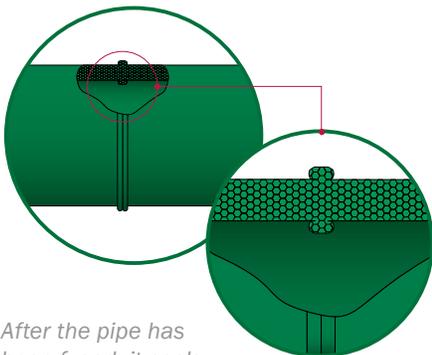
# THE THEORY OF HEAT FUSION

The principle of heat fusion is to heat two surfaces to a designated temperature, and then fuse them together by application of force. This pressure causes flow of the melted materials, which causes mixing and thus fusion. When the polypropylene 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 crystalline form, the original interfaces are gone, and the two pipes have become one homogeneous pipe.



After the pipe has been fused, it cools and returns to a crystalline structure, creating one homogeneous pipe.

# THE FUSION PROCESS

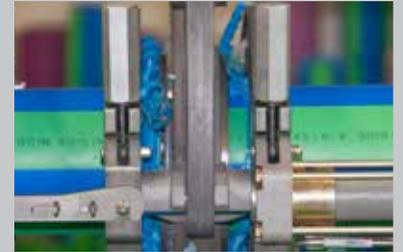


**CLAMPING THE PIPE**  
The pipe pieces are held axially to allow all subsequent operations to take place.

1

2

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



3

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



4

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



## McELROY'S INTERNATIONAL DISTRIBUTOR NETWORK

McElroy products are offered through an international network of sales and authorized service center locations providing 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



# 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.

## 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

# 5 YEAR WARRANTY

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 UNIVERSITY<sup>SM</sup>

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 both as an indicator of their knowledge of industry standards and 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 — 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 job site. Instruction is available in multiple languages.

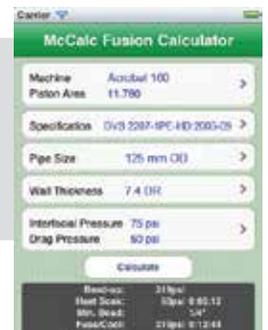
## LEARN MORE AND ENROLL TODAY

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)



## McCALC<sup>®</sup> FUSION PRESSURE CALCULATOR

Find the answers you need while away from your desk. 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.



# FUSION MACHINES

## FOR 16mm TO 630mm POLYPROPYLENE PIPE

### MACHINE SELECTION CHART

	16mm (5/8")	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")	
Socket Kits	█	█	█	█	█	█	█	█	█	█	█											
Spider™ 125							█	█	█	█	█											
Acrobat™ 160						█	█	█	█	█	█											
Pit Bull® 26						█	█	█	█	█	█											
DynaMc® 250										█	█	█	█									
Rolling, TracStar® & Pit Bull® 250											█	█	█	█								
DynaMc® 412													█	█	█							
Rolling, TracStar® & Pit Bull® 412														█	█	█						
Rolling, TracStar® & Pit Bull® 618															█	█	█	█	█			
TracStar® 500 Series 3																█	█	█	█	█	█	
Pit Bull® 500 Series II																	█	█	█	█	█	
MegaMc® 824																		█	█	█	█	█
TracStar® 630																					█	█

\* Imperial pipe sizes are nominal diameters

# SOCKET FUSION KITS

Fusion Capability For 16mm-125mm (3/8"-4") Polypropylene Pipe

McElroy **Socket Tooling** is 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



## KITS



### 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, 1/4" Allen Driver.

VOLTAGE REQ.	TYPE - D ADAPTERS	TYPE - Q ADAPTERS*
120V	<b>AMR21301</b>	<b>ASW21301</b>
240V	<b>AMR21303</b>	<b>ASW21303</b>



### 20-125mm SOCKET HEATER ADAPTER KIT

Includes 20-125mm Socket Heater Adapters, Storage Box, Socket Adapter Tray, Depth Gauge Tool, 1/4" Allen Driver.

TYPE - D ADAPTERS	TYPE - Q ADAPTERS*
<b>AMR21701</b>	<b>ASW21701</b>



### SMALL HEATER KIT

Includes 16-63mm Socket Heater, Heater Sling, Heater Support Frame, Heater Bench Mount, 1/4" Allen Driver.

VOLTAGE REQ.	PART NUMBER
120V	<b>ASW20201</b>
240V	<b>ASW20202</b>



### LARGE HEATER KIT

Includes 16-125mm Socket Heater, Heater Sling, Heater Support Frame, Heater Bench Mount, 1/4" Allen Driver.

VOLTAGE REQ.	PART NUMBER
120V	<b>ASW20301</b>
240V	<b>ASW20302</b>



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

## HEATER ADAPTER PACKAGES



KIT SIZE RANGE	TYPE - D ADAPTERS	TYPE - Q ADAPTERS*
20-63mm	<b>AMR21501</b>	<b>ASW21501</b>
63-125mm	<b>AMR21601</b>	<b>ASW21601</b>

## INDIVIDUAL HEATER ADAPTER SETS

PIPE SIZE	TYPE - D ADAPTERS	TYPE - Q ADAPTERS*
16mm	<b>MR0050206</b>	<b>MA0050206</b>
20mm	<b>MR0050208</b>	<b>MA0050208</b>
25mm	<b>MR0050210</b>	<b>MA0050210</b>
32mm	<b>MR0050212</b>	<b>MA0050212</b>
40mm	<b>MR0050214</b>	<b>MA0050214</b>
50mm	<b>MR0050216</b>	<b>MA0050216</b>
63mm	<b>MR0050218</b>	<b>MA0050218</b>
75mm	<b>MR0050220</b>	<b>MA0050220</b>
90mm	<b>MR0050222</b>	<b>MA0050222</b>
110mm	<b>MR0050224</b>	<b>MA0050224</b>
125mm	<b>MR0050226</b>	<b>MA0050226</b>

## INDIVIDUAL FUSION OUTLET HEAD SETS



SIZE	TYPE - Q ADAPTERS*
40 x 20 x 25mm	<b>MA0050614</b>
50 x 20 x 25mm	<b>MA0050616</b>
63 x 20 x 25mm	<b>MA0050619</b>
63 x 32mm	<b>MA0050620</b>
75 x 20 x 25mm	<b>MA0050623</b>
75 x 32mm	<b>MA0050624</b>
75 x 40mm	<b>MA0050625</b>
90 x 20 x 25mm	<b>MA0050627</b>
90 x 32mm	<b>MA0050628</b>
90 x 40mm	<b>MA0050629</b>
110 x 20 x 25mm	<b>MA0050631</b>
110 x 32mm	<b>MA0050632</b>
110 x 40mm	<b>MA0050634</b>
110 x 50mm	<b>MA0050635</b>
125 x 20 x 25mm	<b>MA0050636</b>
125 x 32mm	<b>MA0050638</b>
125 x 40mm	<b>MA0050640</b>
125 x 50mm	<b>MA0050642</b>
125 x 63mm	<b>MA0050644</b>
160 x 20 x 25mm	<b>MA0050648</b>
160 x 32mm	<b>MA0050650</b>
160 x 40mm	<b>MA0050652</b>
160 x 50mm	<b>MA0050654</b>
160 x 63mm	<b>MA0050656</b>
200 x 20 x 25mm	<b>MA0050660</b>

\* Type-Q adapters are for Aquatherm pipe ONLY.

# ACCESSORIES & REPLACEMENT PARTS FOR SOCKET FUSION

### HEATER SLING

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



### SOCKET STORAGE BOX

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

### LARGE HEATER AUXILIARY HANDLE KIT

Handle assist for large adapters. **SW02807**



### DEPTH GAUGE TOOL

Aids in marking appropriate depth for socket fusions.

TYPE - D	TYPE - Q*
<b>SW22302</b>	<b>SW22301</b>

### 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**



### ROTARY PIPE CUTTERS

Easily cut pipe up to 125mm.

10-90mm	<b>MMD00087</b>
63-125mm	<b>MMD00092</b>

### RATCHET SHEAR

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



### PYROMETER

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

### 1/4" ALLEN DRIVER

Secure heads to socket fusion heater. **MJL00078**



# SPIDER™ 125

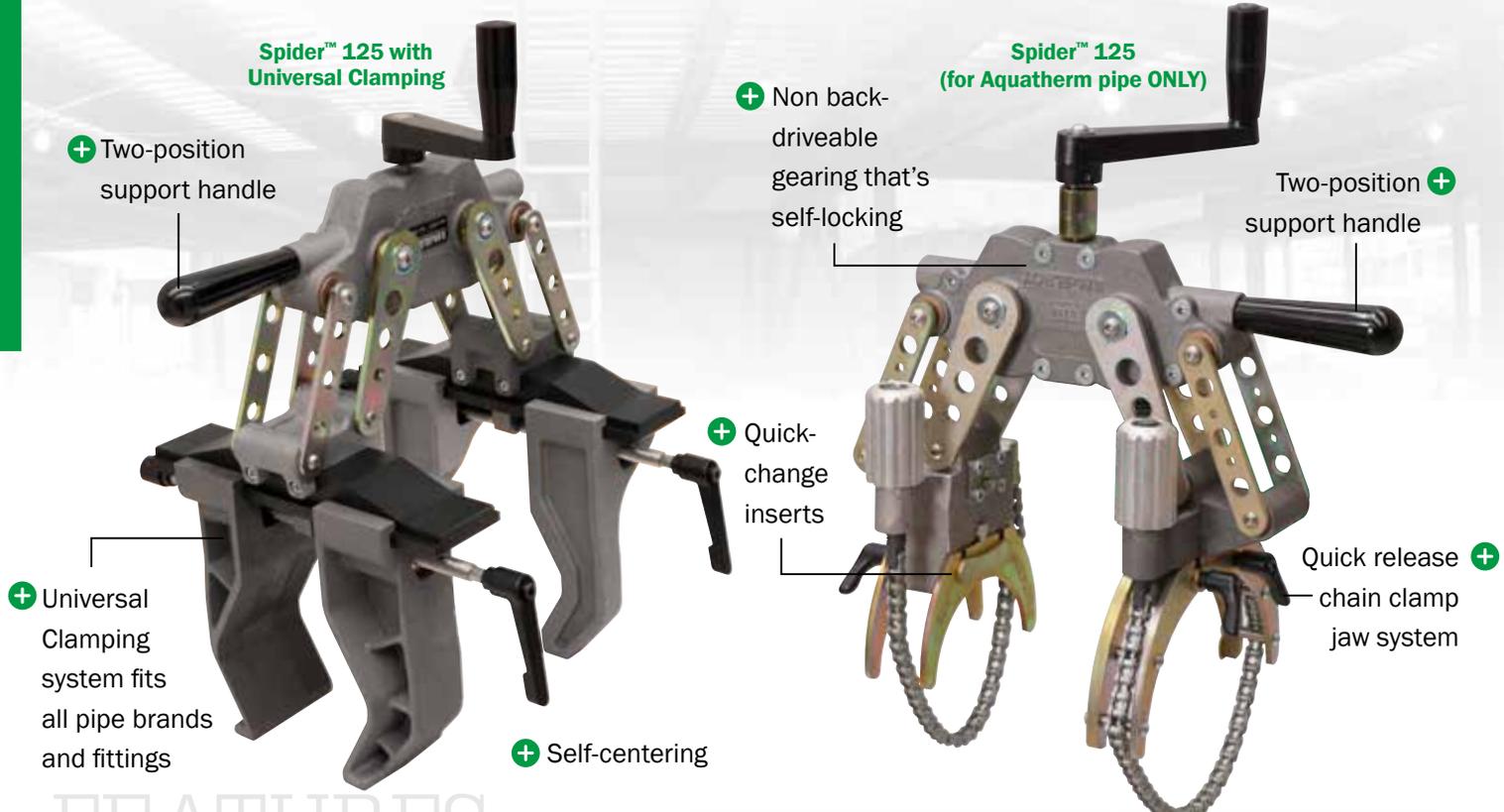
Fusion Capability For 63mm-125mm (2"-4") Polypropylene Pipe

McElroy's **Spider™ 125** machines are the preferred equipment for quick and accurate socket fusion field installations of 63mm to 125mm polypropylene pipe and fittings. The lightweight, compact device features a worm gear drive with parallel link system to bring

pipe and fittings together evenly and under control. The features of the Spider 125 allow a single technician to properly align, heat, fuse and cool the pipe. Because the Spider is non-back drivable, constant pressure is maintained throughout the process.

The Spider 125 is available in two models: **with Universal Clamping** - which can accommodate any size of pipe or coupling from 63mm to 125mm or with **Chain Clamping** for Aquatherm pipe only.

FUSION MACHINES



## FEATURES

Models **A456501** UNIVERSAL CLAMP

**A446501** CHAIN CLAMP\*



### COMPACT & LIGHT

Both models of the Spider 125 are lightweight making them exceptional tools for performing socket fusions in overhead, vertical and tight-space situations.



### NON-BACK-DRIVEABLE

The Spider 125 features a worm gear drive with parallel link system to bring pipe and fittings together evenly while maintaining constant pressure on the fusion joint throughout the process.



### QUICK-CHANGE INSERTS

The Spider 125 with chain clamping includes inserts for Aquatherm pipe and fittings which can be easily changed with quick-release thumb screws.



### FITS ANY PIPE OR FITTING

The Spider 125 with Universal Clamping features a clamping system that can accommodate any size of pipe or fitting from 63 to 125mm—eliminating the need for inserts.



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

# SPIDER 125 SPECIFICATIONS

**Spider 125 with Universal Clamping package includes** fusion machine, stainless carrying case and soft-sided carrying case.

**Spider 125 package includes** fusion machine, toolbox, soft-sided carrying case, stand and 63mm-125mm inserts. Specifications are subject to change without notice.

## MODELS

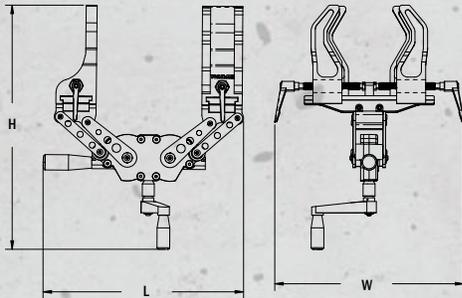
<b>Spider 125 with Universal Clamping</b>	<b>A456501</b>
<b>Spider 125 with chain clamping (for Aquatherm pipe ONLY)</b>	<b>A446501</b>

	<b>Spider 125 with Universal Clamping</b>	<b>Spider 125 with chain clamping</b>
<b>Capacity</b>	63mm-125mm	63mm-125mm
<b>Weight</b>	15 lbs. (6.8 Kg)	13 lbs. (5.9 Kg)
<b>Maximum Stroke</b>	193mm (7.6")	193mm (7.6")
<b>Mechanical Advantage</b>	20-to-1	20-to-1

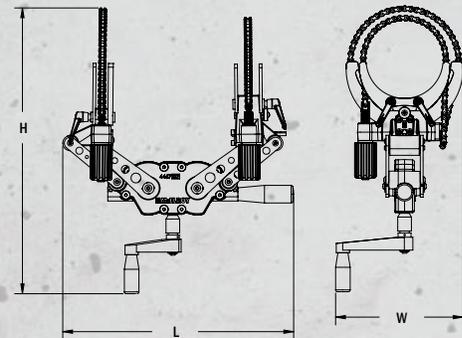
## DIMENSIONS

<b>Length (Open)</b>	15" (381mm)	14.75" (375mm)
<b>Length (Closed)</b>	12" (305mm)	12" (305mm)
<b>Width</b>	14" (356mm)	8.13" (207mm)
<b>Height</b>	18" (457mm)	18.27" (465mm)

## SPIDER 125 WITH UNIVERSAL CLAMPING



## SPIDER 125



# ACCESSORIES & REPLACEMENT PARTS FOR SPIDER 125 MACHINES

### HEATER SLING

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



**FLANGE SPACER KIT** For chain clamp Spider 125 when clamping onto Aquatherm flange fittings. **A452401**

63mm	<b>452401</b>
75mm	<b>452402</b>
90mm	<b>452403</b>
110mm	<b>452404</b>
125mm	<b>452603</b>



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



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

TYPE - D	TYPE - Q*
<b>SW22302</b>	<b>SW22301</b>

### 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**



### ROTARY PIPE CUTTERS

Easily cut pipe up to 125mm.

10-90mm	<b>MMD00087</b>
63-125mm	<b>MMD00092</b>

## REPLACEMENT INSERTS FOR CHAIN CLAMP MODEL ONLY



125mm Coupling	<b>454501</b>	90mm Coupling w/stops	<b>448501</b>	75mm Pipe Countersunk	<b>448901</b>
125mm Pipe	<b>448103</b>	90mm Coupling	<b>448503</b>	75mm Pipe	<b>448903</b>
110mm Coupling w/stops	<b>448201</b>	90mm Pipe	<b>448603</b>	63mm Coupling w/stops	<b>449101</b>
110mm Coupling	<b>448203</b>	90mm Narrow	<b>448701</b>	63mm Coupling	<b>449103</b>
110mm Pipe	<b>448303</b>	75mm Coupling w/stops	<b>448801</b>	63mm Pipe	<b>449203</b>
110mm Narrow	<b>448401</b>	75mm Coupling	<b>448803</b>	63mm Narrow	<b>449301</b>



**CARRYING CASE** Protect, store and transport Spider 125 and accessories.

**SOFT-SIDED** **MJQ00543**

**STAINLESS** **456701**  
(Universal Clamping only)

# 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 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



## FEATURES

Package **A714501** 120V **A714502** 220-240V



### CONFIGURABLE TO 3-JAW CARRIAGE

The Acrobat carriage can easily be converted to a smaller 3-jaw configuration by removing it from the base – without the use of tools.



**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.



**LIGHTWEIGHT** Initially weighing just 40 pounds in the 4-jaw configuration, the Acrobat lightens the load to a mere 29 pounds in its 3-jaw configuration – making overhead fusions a breeze.



### AVAILABLE IN A PRODUCTIVITY PACKAGE

For the contractor that wants to save time and money, includes a Manual Machine Stand and two PolyPorters®.

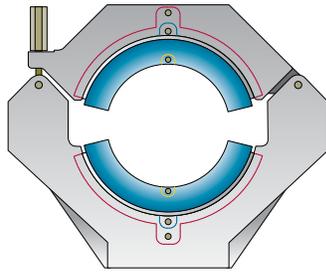
120V	<b>A714201</b>
240V	<b>A714202</b>



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by it 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	PIPE OD	PART NO.
<i>All inserts below fit in 160mm jaws</i>		
125mm	4"	716802 *
110mm	3.5"	716804
90mm	3"	716808
75mm	2.5"	716810
63mm	2"	716812

SET = 8 INSERTS

\* Included with machine package

# ACROBAT 160 SPECIFICATIONS

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

### MODELS

**120V Model** **A714501**

**240V Model** **A714502**

### 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>	1.6 kVA / 1.25 kW	1.6 kVA / 1.25 kW
<b>Plug Type</b>	Nema 5015	CEE 7/7

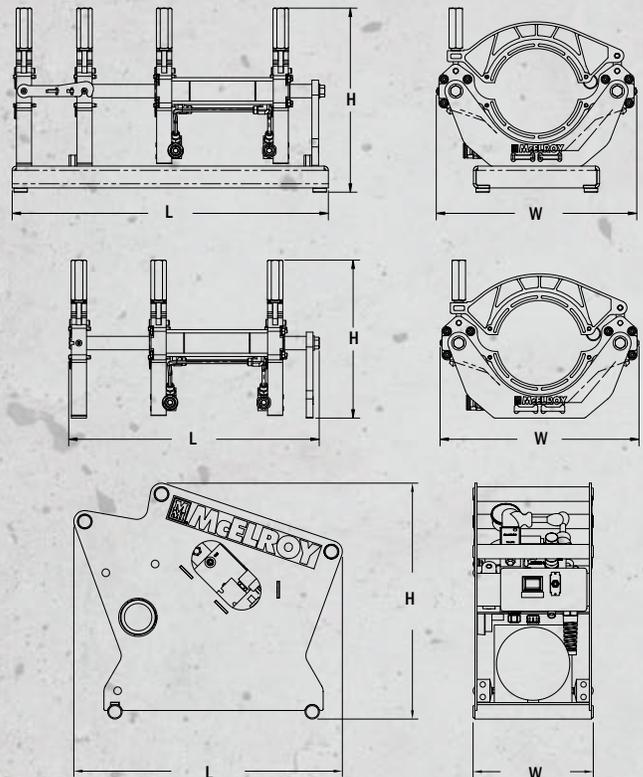
### WEIGHT

<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>	110 lbs (50 Kg)
<b>Shipping Container</b>	350 lbs (158.8 Kg)

### HYDRAULICS

**Max Gauge Pressure** 400 PSI (27.6 BAR)

### DIMENSIONS



	4-Jaw Carriage	3-Jaw Carriage	HPU
<b>Width</b>	15" (381mm)	15" (381mm)	11" (279mm)
<b>Length</b>	23.5" (597mm)	19" (483mm)	24.5" (622mm)
<b>Height</b>	14" (356mm)	12" (305mm)	21.5" (546mm)

# ACCESSORIES & REPLACEMENT PARTS FOR **ACROBAT™ 160** MACHINES

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

100-120V **709602**  
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. **714101**

**DATALOGGER® 5**

Record and document fusion process parameters and details.

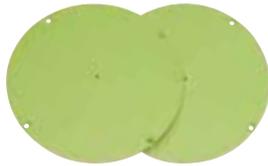
ENGLISH **DL16001**

SPANISH **DL16002**

See website for more languages



**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**



**HEATER**

Microprocessor-controlled with dial thermometer.

100-120V **707701**  
220-240V **707601**

**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. (Requires 2 rollers.)

CASE OF 40 **A1867501**  
SINGLE ROLLER **1867501**

**MANUAL MACHINE STAND**

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



**PIPE SUPPORT STAND**

For use with Manual Machine Stand. **812501**

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

# PIT BULL® 26

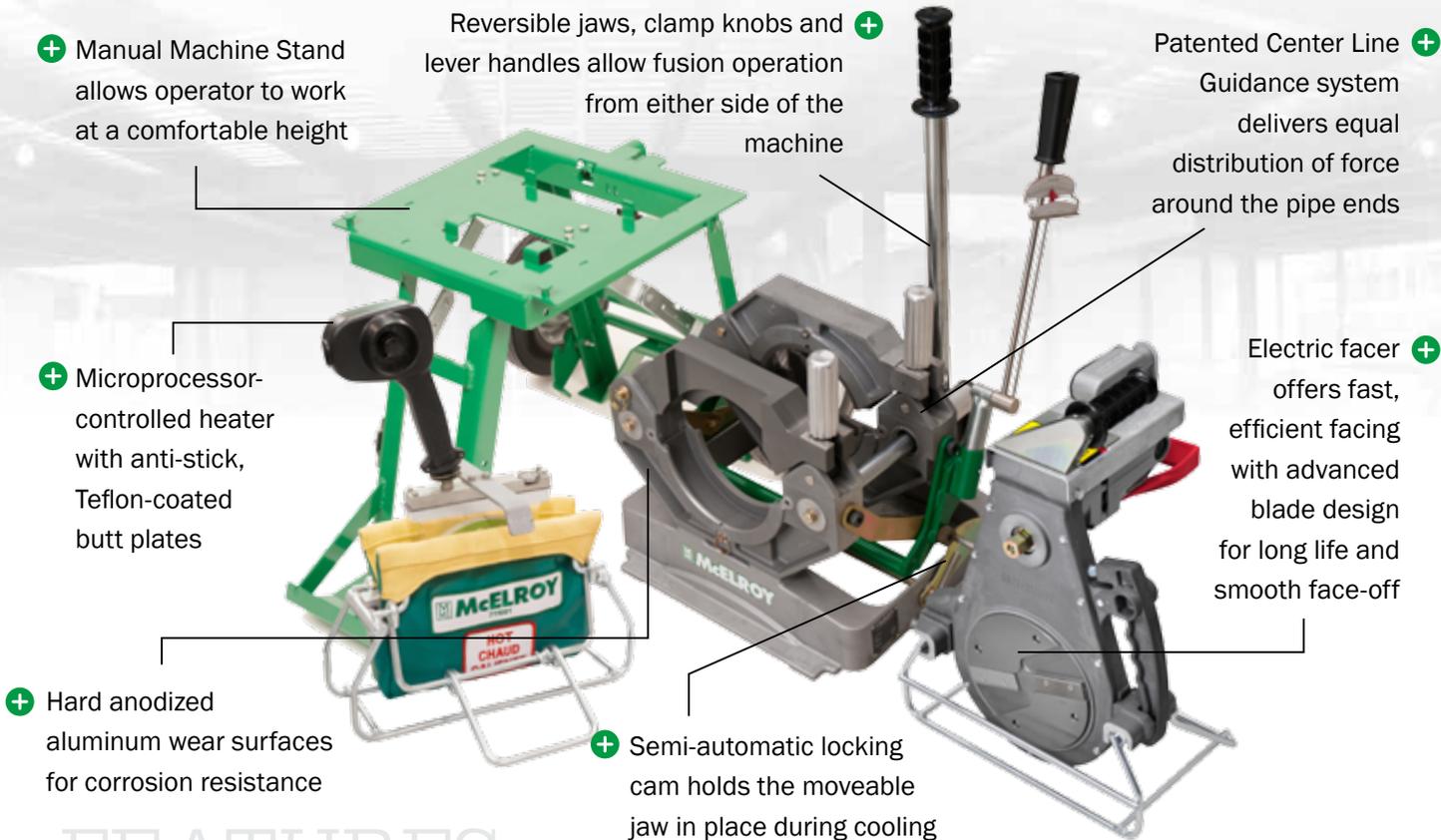
Butt Fusion Capability For 63mm-160mm (2"-6") Polypropylene Pipe

McElroy's line of Pit Bull® fusion machines are compact, lightweight and rugged. The **Pit Bull 26** fuses polypropylene pipe sizes from 63mm to 160mm.

Setting the standard for manually operated butt fusion machines, the Pit Bull 26 incorporates McElroy's patented centerline guidance system, as well

as a semi-automatic locking cam that maintains carriage position during the cooling cycle.

FUSION MACHINES



## FEATURES

Package **A708507**



### LIGHTWEIGHT & DURABLE

The Pit Bull 26 is primarily made from surface-hardened aluminum while being compact, rugged and highly reliable.



### 17-TO-1 MECHANICAL ADVANTAGE

The Pit Bull 26's quality engineering provides enough leverage to move sticks of pipe up to 160mm in diameter.



### THRUST BEARING-EQUIPPED CLAMP KNOBS

Pit Bull 26 clamp knobs require less torque to secure the pipe while also aiding in re-rounding.



### REVERSIBLE JAWS, KNOBS AND LEVERS

When space is at a premium, the jaws, clamp knobs and levers can be reversed — depending on the jobsite situation.

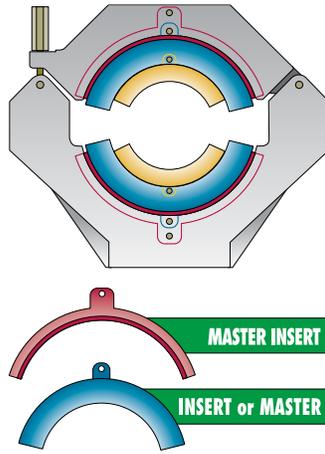


**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by it to be free from defects in materials and workmanship for 5 years. (See website for details.)

# 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 6" DIPS - 175mm (6.90") jaws</i>		
6"IPS/DIPS Master	168mm (6.63")	<b>709307 *</b>
160mm	160mm (6.30")	<b>709313 *</b>
160mm Knife Edge	160mm (6.30")	<b>713402 *</b>
<i>All inserts below require 6"IPS /DIPS Masters</i>		
125mm	125mm (4.92")	<b>809438</b>
110mm	110mm (4.33")	<b>809324</b>
90mm	90mm (3.54")	<b>809325</b>
75mm	75mm (2.95")	<b>809217</b>
63mm	63mm (2.48")	<b>809216</b>

SET = 4 INSERTS

\* Included with machine package

# PIT BULL 26 SPECIFICATIONS

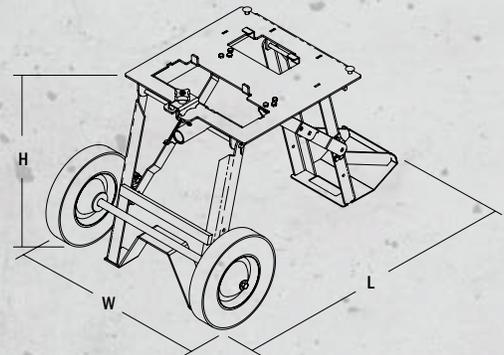
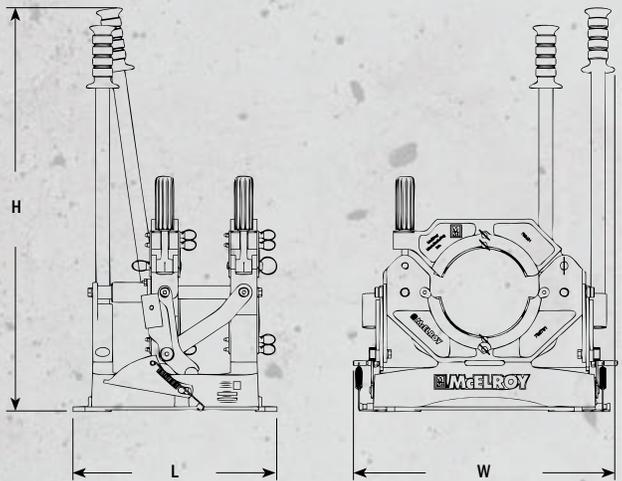
**Pit Bull 26 package includes** fusion machine, Manual Fusion Machine Stand, heater, heater stand, facer, facer stand, 160mm inserts, 160mm knife edge jaw kit, torque wrench, torque wrench adapter. Specifications are subject to change without notice.

MODEL **A708507**

POWER	
<b>Input Voltage Requirements</b>	100-120V, 50/60Hz, 1Ph
<b>Minimum Power Requirements</b>	3 kVA, 2.5 kW
<b>Heater Power</b>	1200 Watt
<b>Facer Power</b>	0.5 HP, 7 Amp, 120V

WEIGHT	
<b>Carriage</b>	50 lbs (22.7 Kg)
<b>Facer</b>	32 lbs (14.5 Kg)
<b>Heater</b>	14 lbs (6.4 Kg)
<b>Machine Stand</b>	50 lbs (23 Kg)

## DIMENSIONS



	Pit Bull 26	Machine Stand
<b>Width</b>	19.7" (500mm)	23" (584mm)
<b>Length</b>	15.4" (391mm)	34" (864mm)
<b>Height</b>	30.4" (773mm)	19" (483mm)

# ACCESSORIES & REPLACEMENT PARTS FOR **PIT BULL 26** MACHINES

## FACER

Powered blades keep the pipe edges clean and aligned.

100-120V  
**709602**

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**



## TORQUE WRENCH ADAPTER

Used to adapt a torque wrench when a specified interfacial pressure is required.

3/8" ADAPTER  
**713901**



## PYROMETER

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



## TORQUE WRENCH

3/8" DR 0-75 FT\*LBF torque wrench. **MJL00087**



## HEATER

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

100-120V **707701**

220-240V **707601**



## HEATER STAND

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



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

## MANUAL MACHINE STAND

Collapsible cart that expands to a comfortable operation height and folds for easy transport and storage. **439001**



## LOW PROFILE ROLLERS

Aids by reducing drag and protecting the pipe from damage. (Requires 2 rollers.)

CASE OF 40 **A1867501**

SINGLE ROLLER **1867501**



## PIPE SUPPORT STAND

For use with Manual Machine Stand. **812501**

## POLYPORTER®

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



## SOFT-SIDED CARRY BAG

Protect, store and transport inserts and accessories. **MJQ00543**



# DYNAMC® 250 EP

Butt Fusion Capability For 125mm-250mm (4"-10") Polypropylene Pipe

The **DynaMc® 250 EP** (electric pump) is a small, versatile fusion machine available in 2- and 4-jaw configurations. The low cylinder force machines were designed with a small footprint, allowing fusion operators to take the carriage into small working areas.

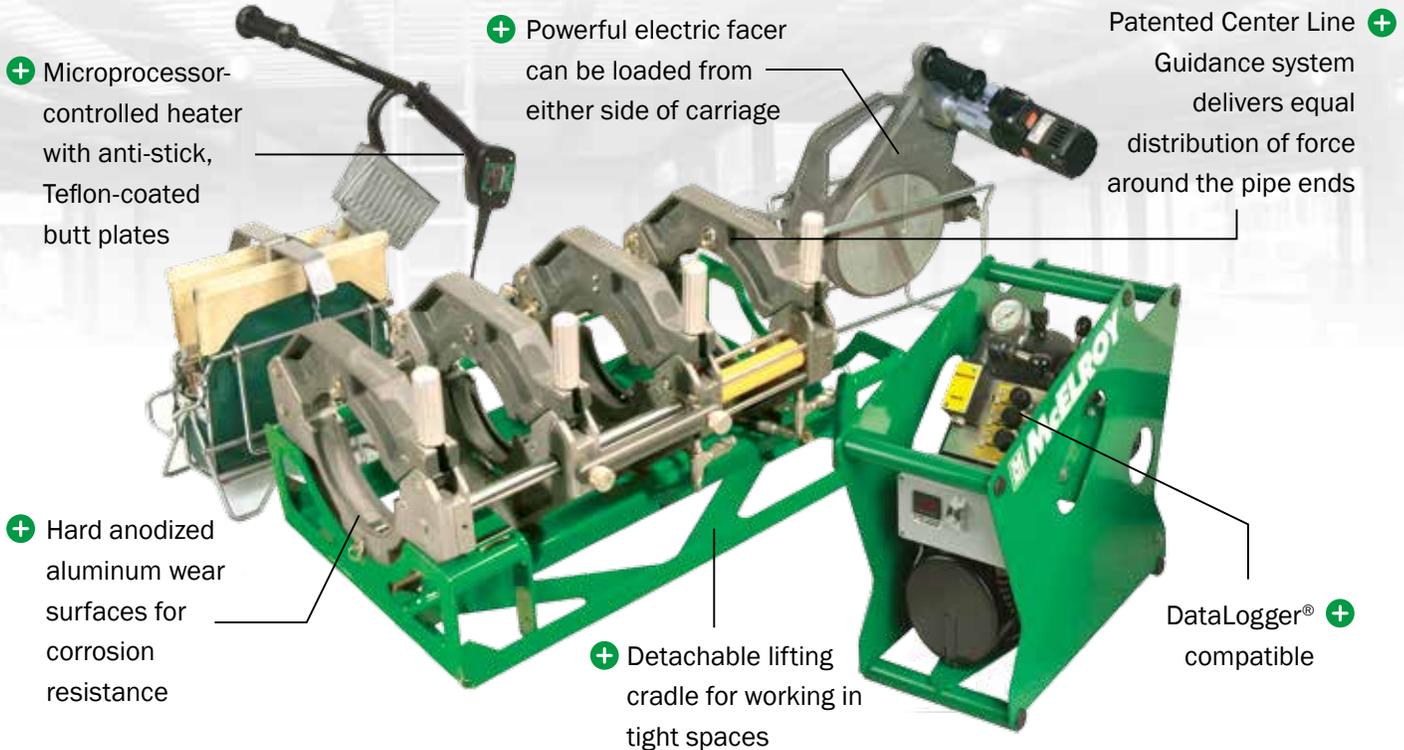
The 250 EP is powered by the DynaMc Electric Pump HPU which uses a hydraulic accumulator to maintain fusion pressures and reduce power consumption.

The manual carriage manifold of the DynaMc 250 EP is powerful enough to tackle thick-walled pipe and is paired with

a strong electric facer that can be loaded from either side of the carriage. Capable of 400 PSI fusion pressures, the DynaMc EP is compatible with the DataLogger®.

Whether it is one fusion or 100, the DynaMc 250 EP provides the rugged reliability you expect from a McElroy.

FUSION MACHINES



## FEATURES

Models **A900307** 120V, 4-jaw    **A900308** 120V, 2-jaw    **A900305** 240V, 4-jaw    **A900405** 240V, 2-jaw



### LIGHTWEIGHT AND COMPACT

DynaMc machines combine the robust, patented features of standard machines into smaller units for use in tight working environments.



### HYDRAULIC-POWERED

Efficient power unit provides power to fuse all day while maintaining pressures up to 400PSI.



### SERRATED JAWS FOR MAXIMUM GRIP

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



### DATALOGGER® COMPATIBLE

Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 48 for more information.**



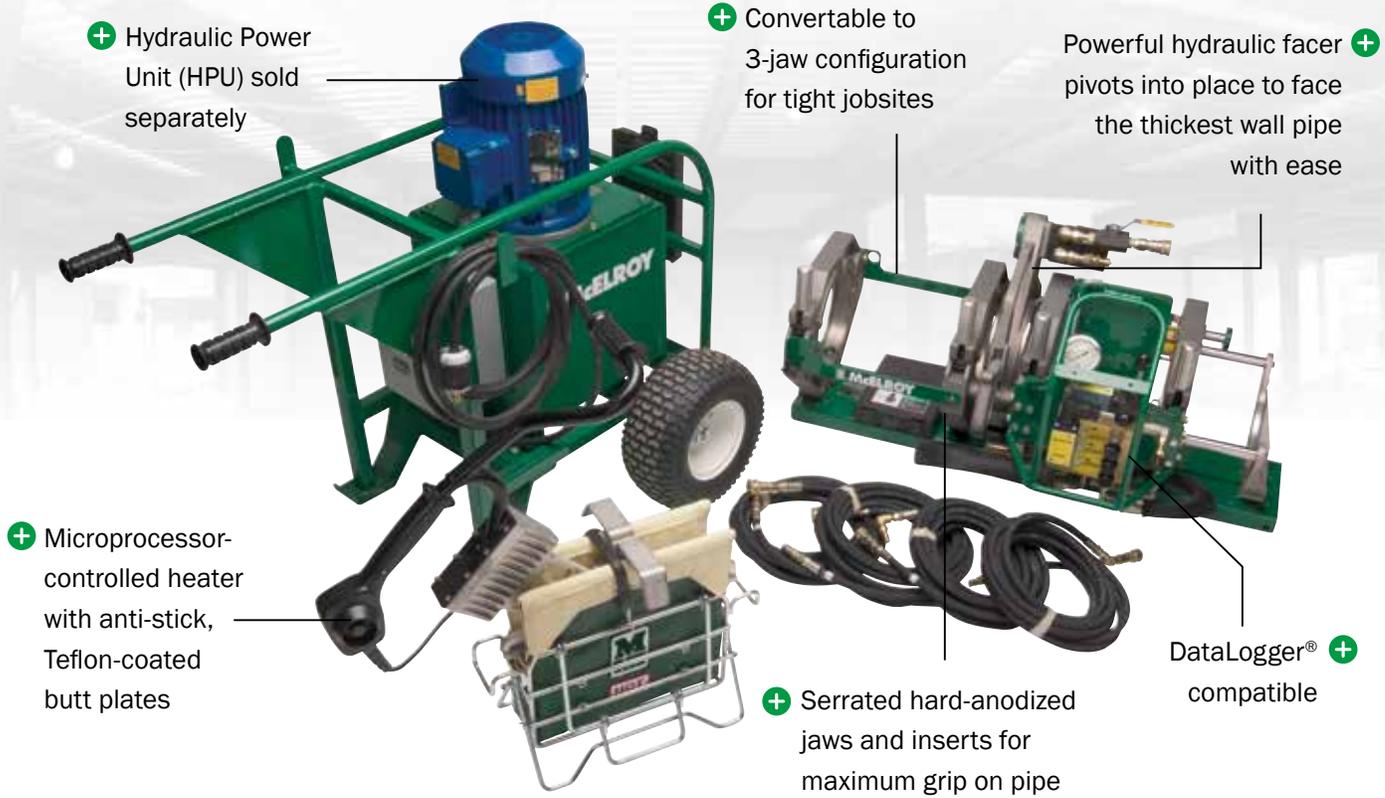
**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by it to be free from defects in materials and workmanship for 5 years. (See website for details.)

# PIT BULL<sup>®</sup> 250

Butt Fusion Capability For 125mm-250mm (4"-10") Polypropylene Pipe

The Pit Bull<sup>®</sup> 250 is used for special applications where the Rolling 250 or TracStar<sup>®</sup> 250 is not needed. The Pit Bull 250 machines incorporate a 4-jaw carriage that can be converted to a 3-jaw carriage to become an even more compact fusion unit.

FUSION MACHINES



+ Hydraulic Power Unit (HPU) sold separately

+ Convertable to 3-jaw configuration for tight jobsites

Powerful hydraulic facer + pivots into place to face the thickest wall pipe with ease

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

+ Serrated hard-anodized jaws and inserts for maximum grip on pipe

DataLogger<sup>®</sup> + compatible

## FEATURES

Models **AT2505503** Carriage Package    **T1810901** 220V HPU Package



### 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 wall pipe with ease.



### DATALOGGER<sup>®</sup>

**COMPATIBLE** Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 48 for more information.**



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

# ROLLING 250

Butt Fusion Capability For 125mm-250mm (4"-10") Polypropylene Pipe

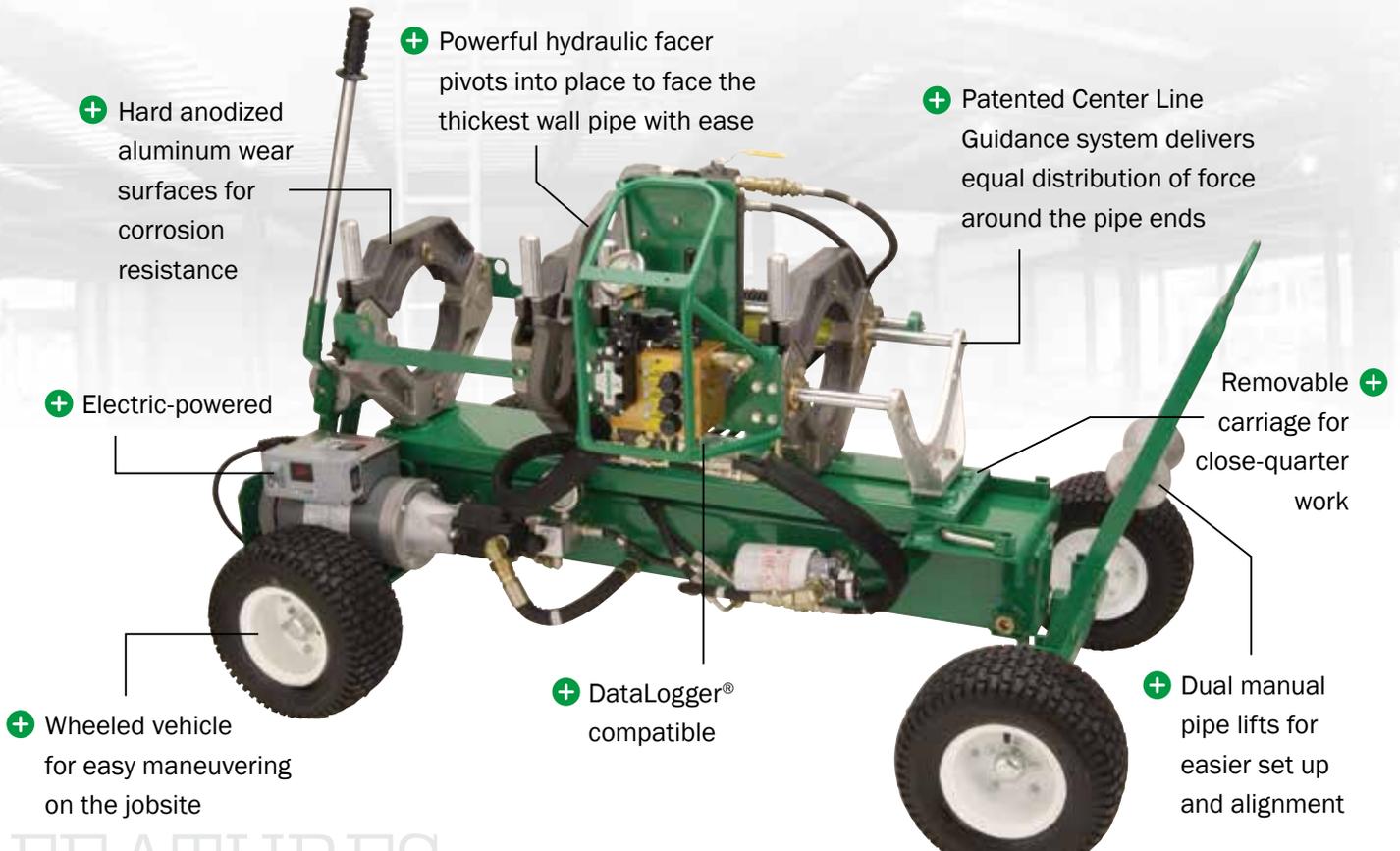
The **Rolling 250** model's ease of use, and rugged quality construction have become the standard.

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.

FUSION MACHINES



## FEATURES

Models **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 48 for more information.**



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

# SUPER TRACSTAR® 250

Butt Fusion Capability For 125mm-250mm (4"-10") Polypropylene Pipe

The **Super TracStar® 250** is a self-contained, self-propelled, track-mounted vehicle. 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 Super TracStar 250 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.

FUSION MACHINES



## FEATURES

Model **AT2500108**



**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 48 for more information.**

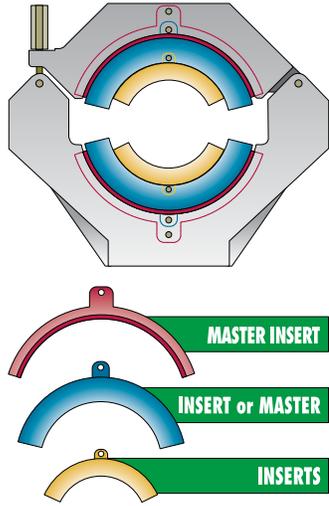


**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by it to be free from defects in materials and workmanship for 5 years. (See website for details.)

# 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	2-JAW SET	4-JAW SET
<i>All inserts below fit in 250mm (9.84") jaws</i>			
8"IPS/250mm <b>Master</b>	219mm (8.63")	<b>T2503516 *</b>	<b>T2503504 *</b>

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

200mm	200mm (7.87")	<b>801548 *</b>	<b>801511 *</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*

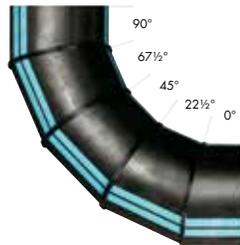
125mm	125mm (4.92")	<b>809438</b>	<b>809413</b>
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2-JAW SET = 4 INSERTS, 4-JAW SET = 8 INSERTS

*\* Included with DynaMc machine packages*

## 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 <b>Master</b>	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

*\* Included with DynaMc machine packages*

# DYNAMC 250 SPECIFICATIONS

**DynaMc 250 machine packages include** fusion machine, DynaMc EP HPU (Hydraulic Power Unit), facer, heater, insulated heater stand, facer stand, 8" IPS/250mm Master insert set, 160-200mm insert sets, 160-250mm knife edge jaw kit and 8" stub end holder. Specifications subject to change without notice.

### MODELS

<b>DynaMc 250 4-Jaw, 120V Machine Package</b>	<b>A900307</b>
<b>DynaMc 250 2-Jaw, 120V Machine Package</b>	<b>A900308</b>
<b>DynaMc 250 4-Jaw, 240V Machine Package</b>	<b>A900305</b>
<b>DynaMc 250 2-Jaw, 240V Machine Package</b>	<b>A900405</b>

### POWER

<b>Input Voltage Req.</b>	100-120V, 50/60Hz, 1 Ph @ 120V 220-240V, 50-60Hz, 1 Ph @ 240V
<b>Heater</b>	1750 Watt @ 120V / 3000 Watt @ 240V
<b>Facer</b>	1.6 HP, 10 Amp @ 120V / 5 Amps @ 240V
<b>HPU</b>	2.2 HP, 14 Amp @ 120V / 7 Amp @ 240V

### WEIGHT

<b>4-Jaw Carriage</b>	125 lbs. (57 Kg)
<b>2-Jaw Carriage</b>	78 lbs. (36 Kg)
<b>HPU</b>	115 lbs. (52.1 Kg)
<b>Facer</b>	39 lbs. (17.7 Kg)
<b>Heater</b>	21 lbs. (9.5 Kg)

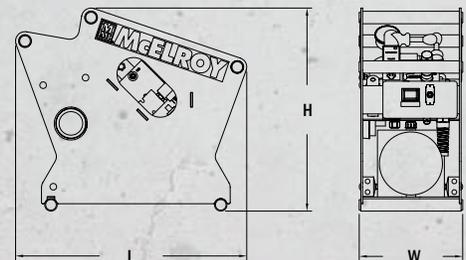
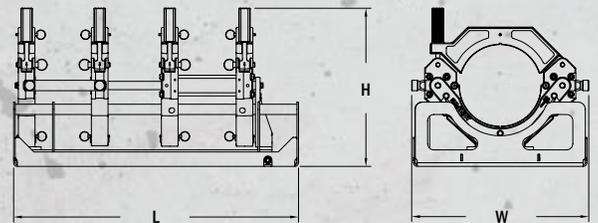
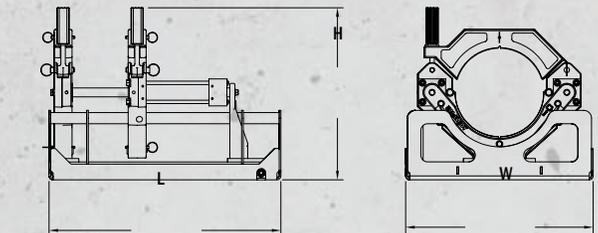
### HYDRAULICS

<b>Max. Gauge Pressure</b>	400 PSI (28 BAR)
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### CHASSIS

<b>Frame</b>	Welded steel construction
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### DIMENSIONS



	<b>2-Jaw Carriage</b>	<b>4-Jaw Carriage</b>	<b>HPU</b>
<b>Width</b>	21" (533mm)	21" (533mm)	11" (279mm)
<b>Length</b>	26" (660mm)	34" (864mm)	24.5" (622mm)
<b>Height</b>	19" (483mm)	19" (483mm)	21.5" (546mm)

# ROLLING AND PITBULL 250 SPECIFICATIONS

**Rolling and Pit Bull 250 machine packages include** fusion machine, facer, heater, insulated heater stand and 8" IPS/250mm master inserts. Pit Bull HPU sold separately. Specifications subject to change without notice.

## MODELS

<b>120V Rolling 250</b>	<b>A866005</b>
<b>220-240V Rolling 250</b>	<b>A866003</b>
<b>Pit Bull 250 Carriage</b>	<b>AT2505503</b>
<b>Pit Bull HPU Package</b>	<b>T1810901</b>

## POWER

	<b>ROLLING</b>	<b>PIT BULL W/HPU</b>
<b>Input Voltage Requirements</b>	120V, 60Hz, 1 Ph 220-240V, 50/60Hz, 1 Ph	240V, 60Hz, 1 Ph
<b>Heater</b>	3000 Watt	3000 Watt
<b>Facer</b>	Hydraulic	Hydraulic
<b>Electric Motor</b>	1.5 HP	5 HP (HPU)

## WEIGHT

<b>Machine</b>	<b>Rolling 250</b>	<b>Pit Bull 250</b>
<b>Machine</b>	575 lbs (260.8 Kg)	N/A
<b>4-Jaw Carriage</b>	201 lbs (91.2 Kg)	201 lbs (91.2 Kg)
<b>3-Jaw Carriage</b>	122 lbs (55.3 Kg)	122 lbs (55.3 Kg)
<b>HPU</b>	N/A	390 lbs (176.9 Kg)
<b>Facer</b>	44 lbs (20 Kg)	44 lbs (20 Kg)
<b>Heater</b>	27 lbs (12.2 Kg)	27 lbs (12.2 Kg)

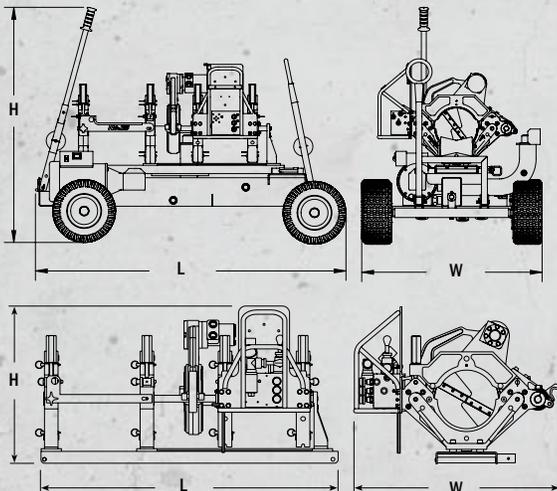
## HYDRAULICS

	<b>Rolling 250</b>	<b>Pit Bull 250</b>
<b>Max. Gauge Pressure</b>	800 PSI (55.16 BAR)	800 PSI (55.16 BAR)
<b>Reservoir Capacity</b>	5 Gallons (18.92 Liters)	10 Gallons (37 Liters)

## CHASSIS & MOBILITY

	<b>Rolling 250</b>	<b>Pit Bull 250</b>
<b>Frame</b>	Welded steel construction	Welded steel construction
<b>Tires</b>	High-flotation inflatable	High-flotation inflatable
<b>Transportation</b>	Pulled via tow ring	Two wheel cart (HPU)

## DIMENSIONS



	<b>Rolling 250</b>	<b>Pit Bull 250</b>	<b>HPU</b>
<b>Width</b>	38" (965mm)	30" (762mm)	32.5" (826mm)
<b>Length</b>	65.5" (1664mm)	44" (1118mm)	48" (1219mm)
<b>Height</b>	49.5" (1257mm)	23" (584mm)	41" (1036mm)

# SUPER TRACSTAR 250 SPECIFICATIONS

**Super TracStar 250 machine packages include** fusion machine, facer, heater, insulated heater stand, 8" IPS/250mm master inserts and lifting assembly. Specifications subject to change without notice.

## MODELS

<b>Super TracStar 250</b>	<b>AT2500108</b>
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## ELECTRICAL

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

## ENGINE

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

## WEIGHT

<b>Machine</b>	<b>Super TracStar 250</b>
<b>Machine</b>	1825 lbs (827.8 Kg)
<b>4-Jaw Carriage</b>	229 lbs (104 Kg)
<b>3-Jaw Carriage</b>	150 lbs (68 Kg)
<b>Facer</b>	44 lbs (20 Kg)
<b>Heater</b>	27 lbs (12.2 Kg)

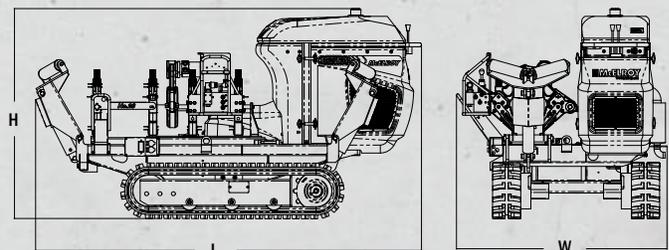
## HYDRAULICS

	<b>Super TracStar 250</b>
<b>Max. Gauge Pressure</b>	800 PSI (55.16 BAR)
<b>Reservoir Capacity</b>	8 Gallons (30.28 Liters)

## CHASSIS & MOBILITY

	<b>Super TracStar 250</b>
<b>Frame</b>	Welded steel construction
<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" (1346mm)
<b>Length</b>	97" (2464mm)
<b>Height</b>	53" (1346mm)

# ACCESSORIES & REPLACEMENT PARTS FOR DYNAMC, ROLLING, TRACSTAR AND PIT BULL 250 MACHINES



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

**DYNAMC 250 FACER**

Powered blades keep the pipe edges clean and aligned. **900801**

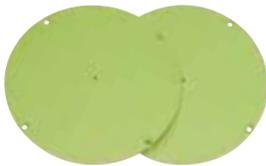


**STUB END HOLDER**

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**



**HEATER PLATE KIT**  
Plates have an anti-stick coating and are required for butt fusion. Kit includes 2 plates and screws. **AT2501101**

**HEATER CADDY**

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

**AT808902**

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



**FACER STAND**

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



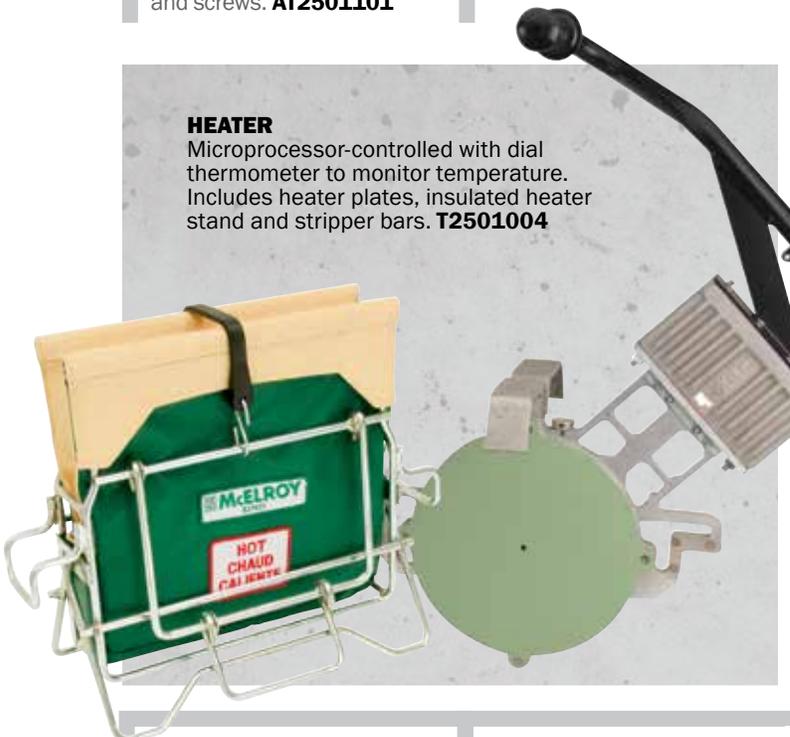
**25' HYDRAULIC EXTENSION HOSES**

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. **T2501004**



**SHIPPING CONTAINER**

FOR ROLLING 250 **841801**

FOR TRACSTAR 250 **T5020401**



**SOFT-SIDED CARRY BAG**

Protect, store and transport, inserts and accessories. **MJQ00543**



**PYROMETER**

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



**LOW PROFILE ROLLERS**

Aids by reducing drag and protecting the pipe from damage. (Requires 2 rollers.)

CASE OF 40 **A1867501**

SINGLE ROLLER **1867501**

**DATALOGGER® 5**

Record and document fusion process parameters and details.

ENGLISH **DL16001**

SPANISH **DL16002**

See website for more languages



**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**



**PIPE STAND**

Adjustable pipe stand to properly support, position and align pipe to be fused. **812501**



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

# DYNAMC® 412 EP

Butt Fusion Capability For 200mm-315mm (8"-12") Polypropylene Pipe

The **DynaMc® 412 EP** (electric pump) uses a common DynaMc EP Hydraulic Power Unit (HPU) to power a light, but rugged 2- or 4-Jaw fusion carriage. The DynaMc 412 EP is capable of fusing pipe sizes from 200mm to 315mm while maintaining a small footprint.

When space is limited, an easy-lift

cradle can be removed to make the machine even smaller and a strong electric facer can be loaded from either side of the carriage for more flexibility in tight confines.

The HPU uses a hydraulic accumulator to maintain fusion

pressures and reduce power consumption, all in an HPU that weighs 115 lbs. Capable of 400 PSI fusion pressures, the DynaMc EP is compatible with the DataLogger®.

Whether it is one fusion or 100, the DynaMc 412 EP provides the rugged reliability you expect from a McElroy.

+ Hard anodized aluminum wear surfaces for corrosion resistance

+ Powerful electric facer can be loaded from either side of carriage

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

+ Patented Center Line Guidance system delivers equal distribution of force around the pipe ends

+ Detachable lifting cradle for working in tight spaces

+ DataLogger® compatible



Models **A1274807** 4-Jaw **A1274904** 2-Jaw

FUSION MACHINES



## LIGHTWEIGHT AND COMPACT

DynaMc machines combine the robust, patented features of standard machines into smaller units for use in tight working environments.



## HYDRAULIC-POWERED

Efficient power unit provides power to fuse all day while maintaining pressures up to 400PSI.



## SERRATED JAWS FOR MAXIMUM GRIP

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



## DATALOGGER® COMPATIBLE

Record heater temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 48 for more information.**



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

# PIT BULL® 412

Butt Fusion Capability For 200mm-315mm (8"-12") Polypropylene Pipe

The Pit Bull® 412 is used for special applications where the Rolling 412 or TracStar® 412 machines incorporate a 4-jaw carriage to become an even more compact fusion unit.

FUSION MACHINES



+ Hydraulic Power Unit (HPU) sold separately

+ Convertable to 3-jaw configuration for tight jobsites

Powerful hydraulic facer pivots into place to face the thickest wall pipe with ease

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

+ Serrated hard-anodized jaws and inserts for maximum grip on pipe

+ DataLogger® compatible

## FEATURES

Models **AT1213003** Carriage Package    **T1810901** 220V HPU Package



### 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 wall pipe with ease.



### DATALOGGER® COMPATIBLE

Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 48 for more information.**



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

# ROLLING 412

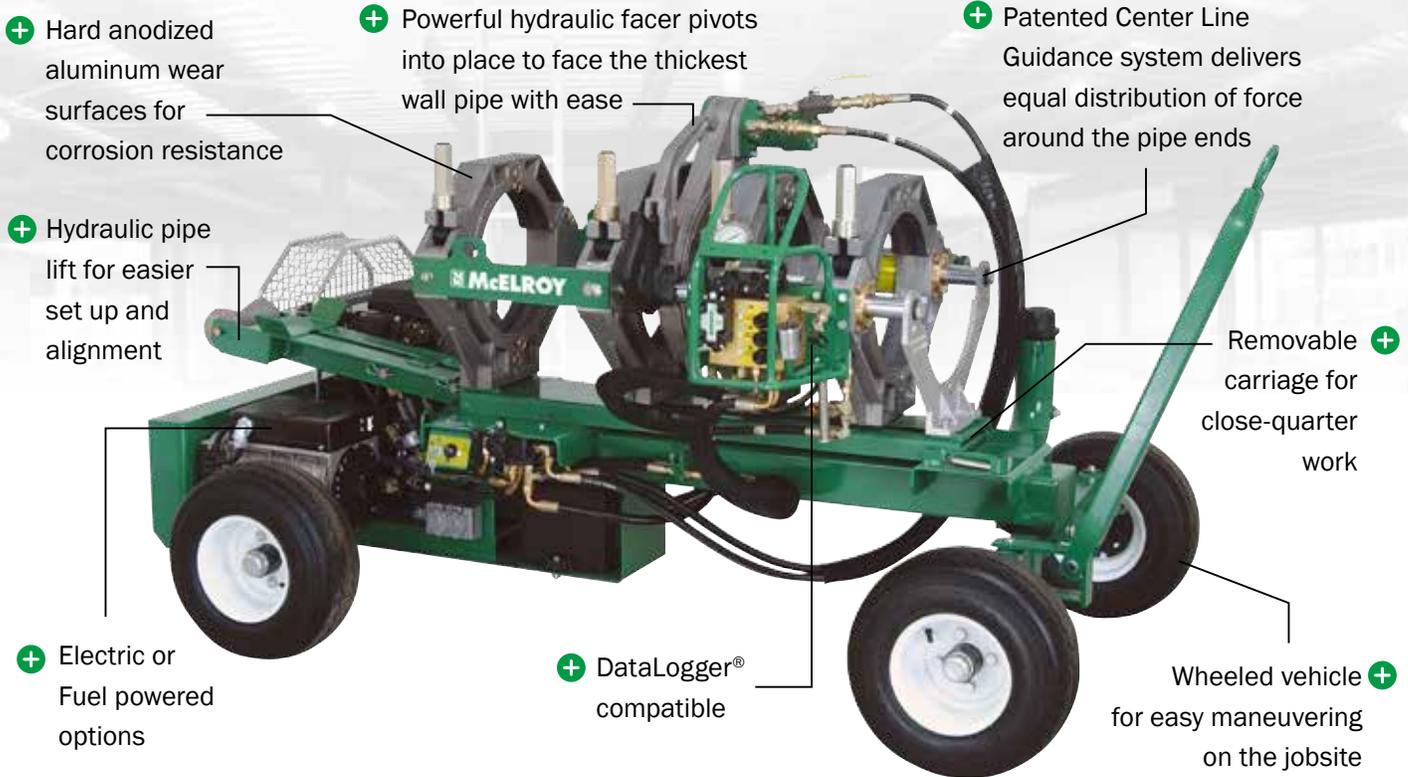
Butt Fusion Capability For 200mm-315mm (8"-12") Polypropylene Pipe

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.



FUSION MACHINES

## FEATURES

Models **A1248103** Gas-powered    **A1248106** 3 Phase, Electric-powered



### 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 48 for more information.**



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

# TRACSTAR<sup>®</sup> 412

Butt Fusion Capability For 200mm-315mm (8"-12") Polypropylene Pipe

The **TracStar<sup>®</sup> 412** 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

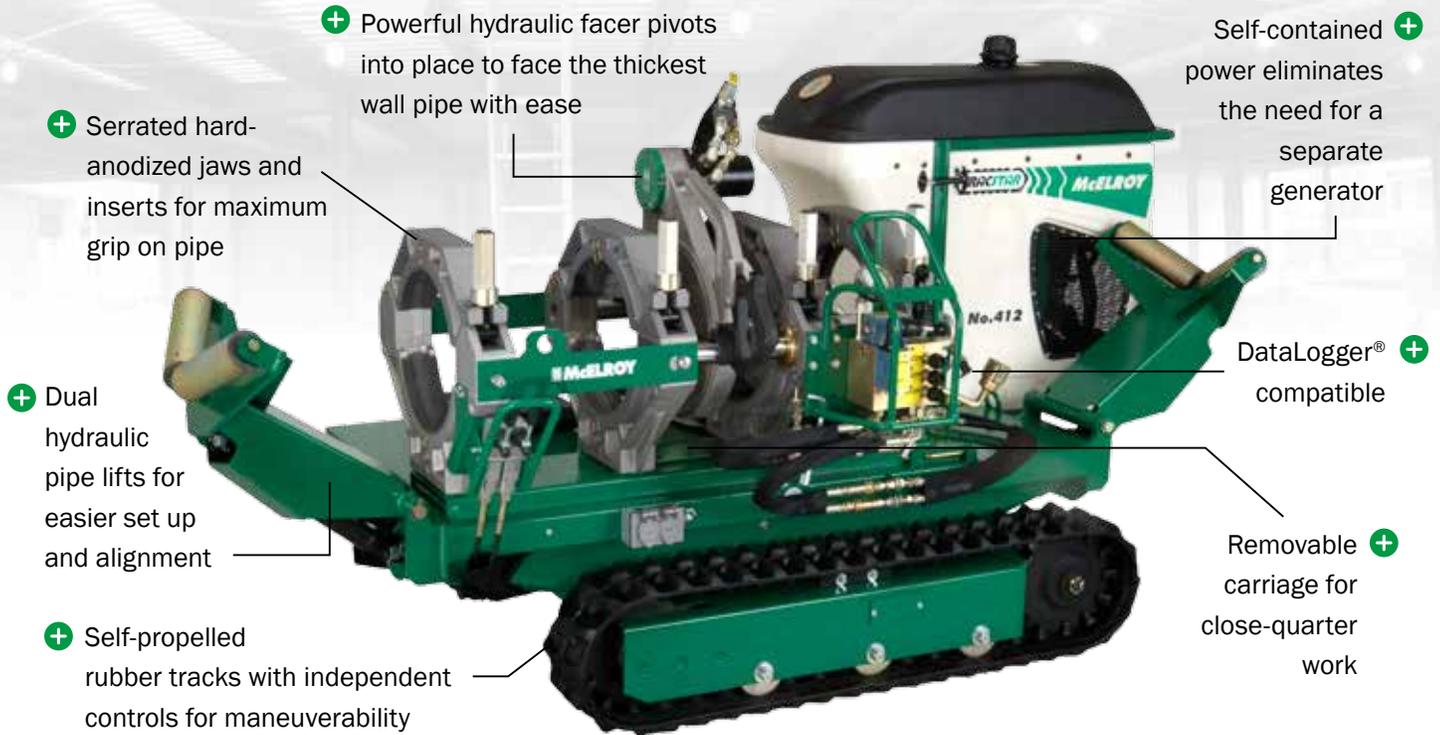
the hydraulics and heater.

The TracStar 412 offers a self-contained, self-propelled, track-mounted vehicle that can handle grades up to 30 percent.

It also 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.

FUSION MACHINES



## FEATURES

Model **AT1212903**



**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 number above.**



**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<sup>®</sup> COMPATIBLE** Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 48 for more information.**

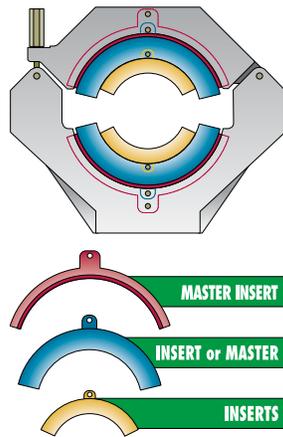


**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by it to be free from defects in materials and workmanship for 5 years. (See website for details.)

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

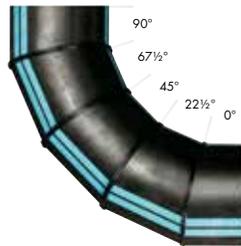
2-JAW SET = 4 INSERTS, 4-JAW SET = 8 INSERTS

\* Included with DynaMc machine packages

\*\* Included with Rolling, Pit Bull and TracStar machine packages

## 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 12" DIPS 13.20" (335mm) jaws		
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

# DYNAMC 412 SPECIFICATIONS

**DynaMc 412 machine packages include** fusion machine, DynaMc EP HPU (Hydraulic Power Unit), facer, heater, insulated heater stand, facer stand, 315 Master inserts, 160mm-250mm insert sets, 160mm knife edge jaw kit and 412 stub end holder. Specifications subject to change without notice.

## MODELS

<b>DynaMc 412 4-Jaw Machine Package</b>	<b>A1274807</b>
<b>DynaMc 412 2-Jaw Machine Package</b>	<b>A1274904</b>

## POWER

<b>Input Voltage Req.</b>	120V, 60Hz, 1 Ph
<b>Heater</b>	1750 Watt @ 120V / 3000 Watt @ 240V
<b>Facer</b>	1.6 HP, 10 Amp @ 120V / 5 Amp @ 240V
<b>HPU</b>	2.2 HP, 14 Amp @ 120V / 7 Amp @ 240V

## WEIGHT

<b>4-Jaw Machine</b>	263 lbs (120 Kg)
<b>2-Jaw Machine</b>	170 lbs (77 Kg)
<b>HPU</b>	115 lbs (52.1 Kg)
<b>Facer</b>	54 lbs (24.5 Kg)
<b>Heater</b>	24 lbs (10.9 Kg)

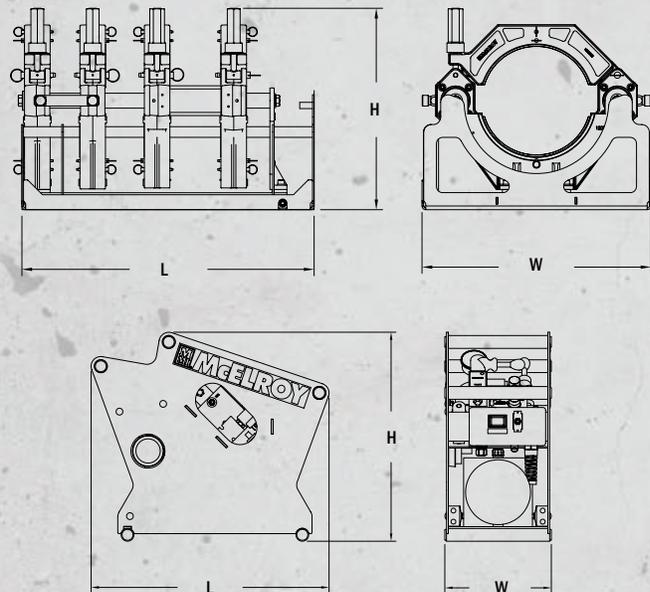
## HYDRAULICS

<b>Max. Gauge Pressure</b>	400 PSI (27.58 BAR)
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## CHASSIS

<b>Frame</b>	Welded steel construction
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## DIMENSIONS



	<b>4-Jaw Machine</b>	<b>2-Jaw Machine</b>	<b>HPU</b>
<b>Width</b>	27" (686mm)	27" (686mm)	11" (279mm)
<b>Length</b>	34" (864mm)	27" (686mm)	24.5" (622mm)
<b>Height</b>	24" (610mm)	24" (610mm)	21.5" (546mm)

## ROLLING 412 SPECIFICATIONS

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

**MODELS - Note, to purchase machine with Hydraulic Clamping, add "HC" to the end of the part numbers below.**

<b>Rolling 412 Electric-powered</b>	<b>A1248106</b>
<b>Rolling 412 Gas-powered</b>	<b>A1248103</b>

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>	3000 Watt	3000 Watt
<b>Facer</b>	Hydraulic	Hydraulic
<b>Electric Motor</b>	3 HP	N/A

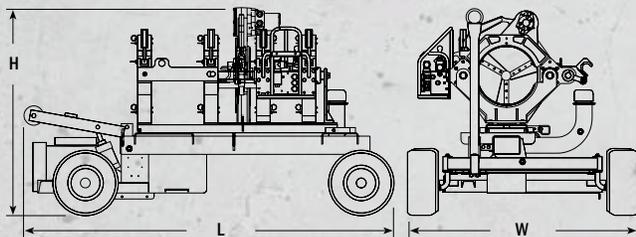
ENGINE		
<b>Engine Type</b>	N/A	18 HP air cooled V-Twin
<b>Fuel Type</b>	N/A	Gasoline
<b>Fuel Tank Capacity</b>	N/A	5 Gallons (18.92 L)
<b>Operational Tank Cap.</b>	N/A	8 Hours
<b>Starting System</b>	N/A	Electric

WEIGHT		
<b>Machine</b>	915 lbs (415 Kg)	1225 lbs (556 Kg)
<b>4-Jaw Carriage</b>	359 lbs (163 Kg)	359 lbs (163 Kg)
<b>3-Jaw Carriage</b>	261 lbs (118.4 Kg)	261 lbs (118.4 Kg)
<b>Facer</b>	62 lbs (28.1 Kg)	62 lbs (28.1 Kg)
<b>Heater</b>	24 lbs (10.9 Kg)	24 lbs (10.9 Kg)

HYDRAULICS		
<b>Max. Gauge Pressure</b>	800 PSI (55.16 BAR)	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	Welded steel construction
<b>Tires</b>	High-flotation inflatable	High-flotation inflatable

### DIMENSIONS



	Electric-powered	Gas-powered
<b>Width</b>	49" (1245mm)	49" (1245mm)
<b>Length</b>	85" (2159mm)	85" (2159mm)
<b>Height</b>	46" (1168mm)	46" (1168mm)

## TRACSTAR AND PIT BULL 412 SPECIFICATIONS

**TracStar and Pit Bull 412 machine packages include** fusion machine, facer, heater, insulated heater stand, 12" IPS/DIPS master inserts and lifting assembly (TracStar only.) Pit Bull HPU sold separately. Specifications subject to change without notice.

**MODELS Note, to purchase TracStar machine with Hydraulic Clamping, add "HC" to the end of the part number below.**

<b>TracStar 412</b>	<b>AT1212903</b>
<b>Pit Bull 412 Carriage</b>	<b>AT1213003</b>

<b>Pit Bull HPU Package</b>	<b>T1810901</b>
-----------------------------	-----------------

POWER	TracStar	Pit Bull w/HPU
<b>Minimum Power Req</b>	N/A, On-board generator	5.2 KVA / 4.5 kW @ 240V, 60Hz, 1Ph
<b>Heater</b>	3000 Watt	3000 Watt
<b>Facer</b>	Hydraulic	Hydraulic

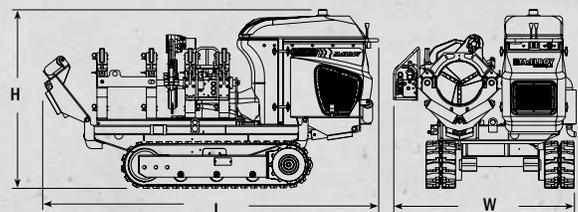
ENGINE		
<b>Engine Type</b>	20 HP liquid cooled	Electric, 5HP
<b>Fuel Type</b>	Diesel	N/A
<b>Fuel Tank Capacity</b>	5 Gallons (18.92 L)	N/A
<b>Operational Tank Cap.</b>	8 Hours	N/A
<b>Starting System</b>	Electric	N/A

WEIGHT		
<b>Machine</b>	2000 lbs (907 Kg)	N/A
<b>4-Jaw Carriage</b>	359 lbs (163 Kg)	359 lbs (163 Kg)
<b>3-Jaw Carriage</b>	261 lbs (118.4 Kg)	261 lbs (118.4 Kg)
<b>HPU</b>	N/A	390 lbs (176.9 Kg)
<b>Facer</b>	62 lbs (28.1 Kg)	62 lbs (28.1 Kg)
<b>Heater</b>	24 lbs (10.9 Kg)	24 lbs (10.9 Kg)

HYDRAULICS		
<b>Max. Gauge Pressure</b>	800 PSI (55.16 BAR)	800 PSI (55.16 BAR)
<b>Reservoir Capacity</b>	8 Gallons (30.28 Liters)	10 Gallons (37 Liters)

CHASSIS & MOBILITY		
<b>Frame</b>	Welded steel construction	Welded steel construction
<b>Tires</b>	Rubber crawler tracks	High-flotation inflatable
<b>Transportation</b>	Self-propelled	Two wheel cart (HPU)

### DIMENSIONS



	TracStar 412	Pit Bull 412	HPU
<b>Width</b>	53" (1346mm)	38" (965mm)	32.5" (826mm)
<b>Length</b>	97" (2464mm)	44" (1118mm)	48" (1219mm)
<b>Height</b>	53" (1346mm)	28" (711mm)	41" (1036mm)

# ACCESSORIES & REPLACEMENT PARTS FOR DYNAMC, ROLLING, TRACSTAR AND PIT BULL 412 MACHINES

FUSION MACHINES

## 4.63" FACER BLADE SET

Includes 6 blades, screws and wrench.



- |          |                  |
|----------|------------------|
| STANDARD | <b>T1208603</b>  |
| COATED   | <b>T1208603C</b> |
| CARBIDE  | <b>T1208603T</b> |

## 6.13" FACER BLADE SET

Spans the entire facer range without repositioning.



- |          |                  |
|----------|------------------|
| STANDARD | <b>T1208610</b>  |
| COATED   | <b>T1208610C</b> |



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

DYNAMC  
**A1280101**

## DATALOGGER® 5

Record and document fusion process parameters and details.



ENGLISH  
**DL16001**

SPANISH  
**DL16002**

See website for more languages



## 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**



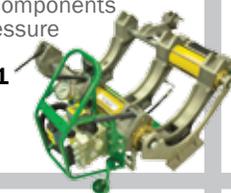
## HEATER

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



## 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 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. (Requires 2 rollers.)

- |               |                 |
|---------------|-----------------|
| CASE OF 40    | <b>A1867501</b> |
| SINGLE ROLLER | <b>1867501</b>  |

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



**1875501**

WITH POWERASSIST  
**1875502**

## PIPE SUPPORT STAND

Adjustable pipe stand to properly support, position and align pipe to be fused. **1223201**



## SHIPPING CONTAINER

FOR ROLLING 412  
**1825601**

FOR TRACSTAR 412  
**T5020401**



# 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.

FUSION MACHINES

+ Hydraulic Power Unit (HPU) sold separately

+ Convertable to 3-jaw configuration for tight jobsites

Powerful hydraulic facer pivots into place to face the thickest wall pipe with ease

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

+ Serrated hard-anodized jaws and inserts for maximum grip on pipe

DataLogger® + compatible

## FEATURES

Models **AT1807503** Carriage Package    **T1810901** 220V HPU Package



### 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 wall pipe with ease.



### DATALOGGER® COMPATIBLE

Record heat-er temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 48 for more information.**



**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by it 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.



+ Hard anodized aluminum wear surfaces for corrosion resistance

+ Powerful hydraulic facer pivots into place to face the thickest wall pipe with ease

+ Patented Center Line Guidance system delivers equal distribution of force around the pipe ends

+ Hydraulic pipe lift for easier set up and alignment

+ Removable carriage for close-quarter work

+ Electric or gas powered options

+ DataLogger® compatible

+ Wheeled vehicle for easy maneuvering on the jobsite

FUSION MACHINES

## FEATURES

Models **A1869103** Gas-powered **A1869106** 3 Phase, Electric-powered



### 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 48 for more information.**



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

# TRACSTAR® 618

Butt Fusion Capability For 200mm-450mm (8"-18") Polypropylene Pipe

The **TracStar® 618** 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 618 offers a self-contained, self-propelled, track-mounted vehicle that can handle grades up to 30 percent.

It also 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.



## FEATURES

Model **AT1807403**



**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 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 48 for more information.**

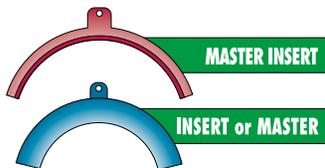
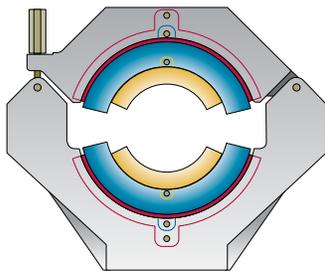


**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by it to be free from defects in materials and workmanship for 5 years. (See website for details.)

# 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 18" OD (457mm) jaws

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

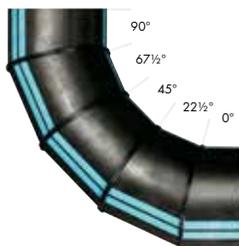
All inserts below require 12" IPS Masters

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

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 18" OD (457mm) jaws

12" IPS Master	324mm (12.75")	2411810
400mm	400mm (15.75")	2420618
315mm	315mm (12.40")	2420614

All inserts below fit in 12" IPS Masters

250mm x 11.25"	250mm (9.84")	1214235
200mm x 11.25"	200mm (7.87")	1214234

SET = 4 INSERTS AND 1 TEMPLATE

# PIT BULL 618 SPECIFICATIONS

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

## MODELS

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

## POWER

<b>Minimum Power Req</b>	5.2 KVA / 4.5 kW @ 240V, 1 Ph
<b>Heater</b>	3000 Watt
<b>Facer</b>	Hydraulic
<b>Electric Motor</b>	5 HP

## WEIGHT

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

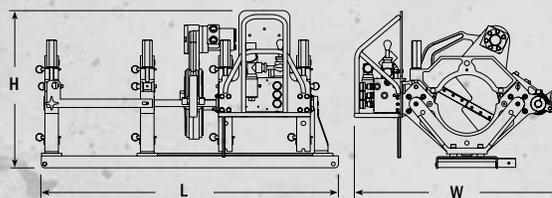
## HYDRAULICS

<b>Max. Gauge Pressure</b>	800 PSI (55.16 BAR)
<b>Reservoir Capacity</b>	10 Gallons (37 Liters)

## CHASSIS & MOBILITY

<b>Frame</b>	Welded steel construction
<b>Tires</b>	High-flotation inflatable
<b>Transportation</b>	Two wheel cart (HPU)

## DIMENSIONS



	<b>Pit Bull 618</b>	<b>HPU</b>
<b>Width</b>	44" (1118mm)	32.5" (826mm)
<b>Length</b>	44" (1118mm)	48" (1219mm)
<b>Height</b>	33" (838mm)	41" (1036mm)

## ROLLING 618 SPECIFICATIONS

**Rolling 618 machine packages include** fusion machine, facer, 12"-18" heater, and insulated heater stand. Specifications subject to change without notice.

MODELS - **Note, to purchase machine with Hydraulic Clamping, add "HC" to the end of the part numbers below.**

<b>Rolling 618 Electric</b>	<b>A1869106</b>
<b>Rolling 618 Gas</b>	<b>A1869103</b>

POWER	Electric	Gas
<b>Input Voltage Req.</b>	6.2 KVA/5.2 kW @ 220-240V, 50/60Hz, 3Ph	N/A
<b>Heater</b>	3000 Watt	3000 Watt
<b>Facer</b>	Hydraulic	Hydraulic
<b>Electric Motor</b>	5 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 L)
<b>Operational Tank Cap.</b>	N/A	8 Hours
<b>Starting System</b>	N/A	Electric

### WEIGHT

<b>Machine</b>	1100 lbs (498 Kg)	1335 lbs (606 Kg)
<b>4-Jaw Carriage</b>	445 lbs (202 Kg)	445 lbs (202 Kg)
<b>3-Jaw Carriage</b>	350 lbs (158 Kg)	350 lbs (158 Kg)
<b>Facer</b>	91 lbs (41.3 Kg)	91 lbs (41.3 Kg)
<b>6" - 12" Heater</b>	28 lbs (13 Kg)	28 lbs (13 Kg)
<b>12" - 18" Heater</b>	34 lbs (15.4 Kg)	34 lbs (15.4 Kg)

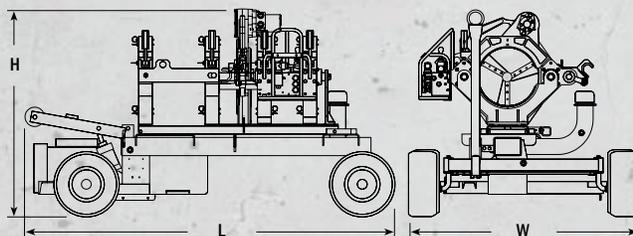
### HYDRAULICS

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

### CHASSIS & MOBILITY

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

### DIMENSIONS



	Electric	Gas
<b>Width</b>	50" (1270mm)	50" (1270mm)
<b>Length</b>	83" (2108mm)	85" (2159mm)
<b>Height</b>	57" (1448mm)	57" (1448mm)

## TRACSTAR 618 SPECIFICATIONS

**TracStar 618 machine packages include** fusion machine, facer, 12"-18" heater, insulated heater stand and lifting assembly. Specifications subject to change without notice.

MODEL - **Note, to purchase machine with Hydraulic Clamping, add "HC" to the end of the part number below.**

<b>TracStar 618</b>	<b>AT1807403</b>
---------------------	------------------

### POWER

<b>Heater</b>	3000 Watt
<b>Facer</b>	Hydraulic

### ELECTRICAL

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

### WEIGHT

<b>Machine</b>	2085 lbs (946 Kg)
<b>4-Jaw Carriage</b>	445 lbs (202 Kg)
<b>3-Jaw Carriage</b>	350 lbs (158 Kg)
<b>Facer</b>	91 lbs (41.3 Kg)
<b>6" - 12" Heater</b>	28 lbs (13 Kg)
<b>12" - 18" Heater</b>	34 lbs (15.4 Kg)

### HYDRAULICS

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

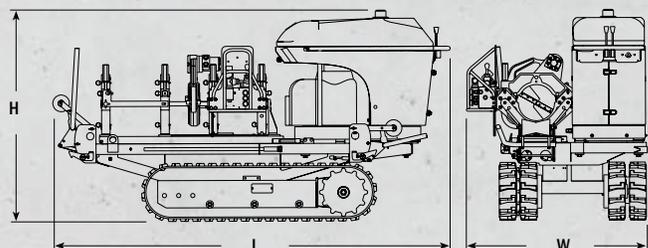
### ENGINE

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

### CHASSIS & MOBILITY

<b>Frame</b>	Welded steel construction
<b>Tracked</b>	Rubber crawler tracks
<b>Vehicle Speed</b>	1.5 MPH Max

### DIMENSIONS



<b>Width</b>	57" (1448mm)
<b>Length</b>	97" (2464mm)
<b>Height</b>	53" (1346mm)

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

FUSION MACHINES

## 4.63" BLADE SET

Includes 6 blades, screws and wrench.



STANDARD	<b>T1208603</b>
COATED	<b>T1208603C</b>
CARBIDE	<b>T1208603T</b>

## 9.12" FACER BLADE SET

Spans the entire facer range without repositioning.

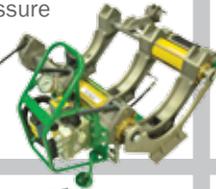


STANDARD	<b>T1812602</b>
COATED	<b>T1812602C</b>

## 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® 5

Record and document fusion process parameters and details.

ENGLISH  
**DL16001**

SPANISH  
**DL16002**

See website for more languages



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

6" - 12"	<b>A1242108</b>
12" - 18"	<b>A1852013</b>

## FACER STAND

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

**T1801101**



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

## 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.



## SHIPPING CONTAINER

FOR ROLLING 618  
**1825601**

FOR TRACSTAR 618  
**T5020401**



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

## 12" - 18" HEATER

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

**1852019**



## 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**

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

## PIPE SUPPORT STAND

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

**1223201**



## LOW PROFILE ROLLERS

Aids by reducing drag and protecting the pipe from damage. (Requires 2 rollers.)

CASE OF 40 **A1867501**

SINGLE ROLLER **1867501**

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



**1875501**

WITH POWERASSIST **1875502**

# PIT BULL® 500 SERIES II

Butt Fusion Capability For 315mm-500mm (12"-20") Polypropylene Pipe

McElroy's **Pit Bull® 500** is designed for special applications where a tracked vehicle is not needed, the Pit Bull 500 can fabricate

segmented ells with optional mitered inserts and is DataLogger® compatible. The Pit Bull 500 carriage incorporates

McElroy's patented Centerline Guidance System, serrated jaws and inserts, and 3- or 4-jaw carriage flexibility.

+ Hydraulic Power Unit (HPU) sold separately

+ Convertable to 3-jaw configuration for tight jobsites

Powerful hydraulic facer + pivots into place to face the thickest wall pipe with ease

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

+ Serrated hard-anodized jaws and inserts for maximum grip on pipe

DataLogger® + compatible



## FEATURES

Models **AT5034002** Carriage Package

**T1810901** 220V HPU Package



### 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 wall pipe with ease.



### DATALOGGER® COMPATIBLE

Record heater temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 48 for more information.**



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

# 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.

FUSION MACHINES



## FEATURES

Models **AT5000111** 500mm Carriage

**AT5000110** 20" Carriage



### 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 48 for more information.**

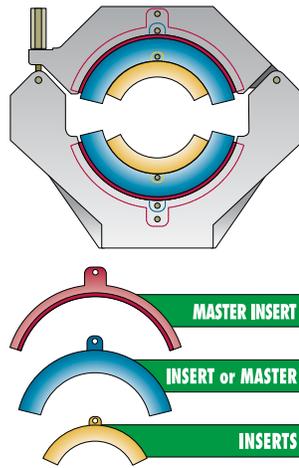


**INDUSTRY-LEADING WARRANTY** McElroy leads the industry by standing by our products. We warrant all products manufactured, sold and repaired by it to be free from defects in materials and workmanship for 5 years. (See website for details.)

# 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 20" OD jaws</i>		
500mm *	500mm (19.69")	<b>T5029803</b>
18"/20" OD Master *	457mm (18.00")	<b>T5029703</b>

<i>All inserts below fit in 500mm jaws</i>		
18"/500mm OD Master	457mm (18.00")	<b>T5004206</b>

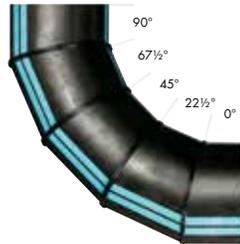
<i>All inserts below require 18" OD Masters</i>		
450mm	450mm (17.72")	<b>2418201</b>
400mm	400mm (15.75")	<b>2412111</b>
12" IPS Master	324mm (12.75")	<b>2411810</b>

<i>All inserts below require 12" IPS &amp; 18"/500mm OD Masters</i>		
315mm	315mm (12.40")	<b>1211202</b>

\* Both inserts are required for use with 20" carriage, AT5000110 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 20" OD jaws</i>		
450mm *	450mm (17.72")	<b>T5031103</b>
18"/20" OD Master*	457mm (18.00")	<b>T50029703</b>

<i>All inserts below fit in 500mm jaws</i>		
18"/500mm OD Master	457mm (18.00")	<b>T5004206</b>

<i>All inserts below require 18" OD Masters</i>		
400mm	400mm (15.75")	<b>2420618</b>
315mm	315mm (12.40")	<b>2420614</b>
12" IPS Master	324mm (12.75")	<b>2411810</b>

\* Both inserts are required for use with 20" carriage, AT5000110 SET = 4 INSERTS AND 1 TEMPLATE

# PIT BULL 500 SERIES II & TRACSTAR 500 SERIES 3 SPECIFICATIONS

TracStar 500 Series 3 and Pit Bull Series II machine packages include fusion machine, facer, heater, insulated heater stand and lifting assembly. Pit Bull HPU sold separately. Specifications subject to change without notice.

## MODELS

Pit Bull 500 Series II Carriage	<b>AT5034002</b>
Pit Bull HPU Package	<b>T1810901</b>
TracStar 500 Series 3 (500mm Carriage)	<b>AT5000111</b>
TracStar 500 Series 3 (20" Carriage)	<b>AT5000110</b>

POWER	Pit Bull w/HPU	TracStar
Minimum Power Req.	8.9 KVA / 8.8 kW @ 240V, 1 Ph	N/A, On-board generator
Heater	4000 Watt	5000 Watt
Facer	Hydraulic	Hydraulic

## ENGINE

Engine Type	Electric, 5 HP	23.5 HP, 1001cc, 3-cylinder liquid cooled
Fuel Type	N/A	Diesel
Fuel Tank Capacity	N/A	11 Gallons (41.6 L)
Operational Tank Capacity	N/A	11 Hours
Starting System	N/A	Electric

## WEIGHT

Machine	N/A	3123 lbs (1417 Kg)
4-Jaw Carriage	390 lbs (176.9 Kg)	750 lbs (340.2 Kg)
3-Jaw Carriage	289 lbs (131.1 Kg)	365 lbs (165.6 Kg)
HPU	390 lbs (176.9 Kg)	N/A
Facer	84 lbs (38.1 Kg)	98 lbs (44.5 Kg)
6" - 12" Heater	28 lbs (13 Kg)	N/A
12" - 20" Heater	39 lbs (17.7 Kg)	N/A
6" - 20" Heater	N/A	63 lbs (28.6 Kg)

## HYDRAULICS

Max. Gauge Pressure	800 PSI (55.16 BAR)	800 PSI (55.16 BAR)
Reservoir Capacity	10 Gallons (37 Liters)	12 Gallons (45.4 Liters)

## CHASSIS & MOBILITY

Frame	Welded steel construction	Welded steel construction
Tires/Tracks	High-flotation inflatable	Rubber crawler tracks
Transportation	Two wheel cart (HPU)	Self-propelled
Vehicle Speed	N/A	Low 1.18 MPH High 2.1 MPH

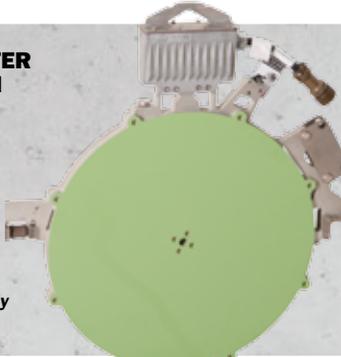
## DIMENSIONS

	Pit Bull	HPU	TracStar
Width	39" (991mm)	32.5" (826mm)	68" (1727mm)
Length	40" (1016mm)	48" (1219mm)	95" (2413mm)
Height	36" (914mm)	41" (1036mm)	51" (1295mm)

# ACCESSORIES & REPLACEMENT PARTS FOR TRACSTAR 500 SERIES 3 AND PIT BULL SERIES II MACHINES

FUSION MACHINES

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



*\* For TracStar 500 Series 3 only*

**6" - 12" PIT BULL HEATER**  
 Microprocessor-controlled with dial thermometer to monitor temperature. Includes heater plates, insulated heater stand and stripper bars.  
**T5008403**



*\* Not included with machine package. Must be ordered seperately.*

**12" - 20" PIT BULL HEATER**  
 Microprocessor-controlled with dial thermometer to monitor temperature. Includes heater plates, insulated heater stand and stripper bars.  
**T5008009**



**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>

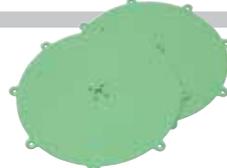
**HOSE & EXTENSION KIT**  
 25' facer extension hoses, carriage extension hoses, switch box and indexer extension cables. **T5002006**



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



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



For Pit Bull machines:  
 6" - 12" **A1242108**  
 12" - 20" **T5008009**

**SHIPPING CONTAINER**  
 Protects and transports TracStar machine. **T5020401**



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



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



**DATALOGGER® 5**  
 Record and document fusion process parameters and details.

ENGLISH **DL16001**  
 SPANISH **DL16002**

*See website for more languages*



**PIPE SUPPORT STAND**  
 Adjustable pipe stand to properly support, position and align pipe to be fused. **1223201**



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

**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. (Requires 2 rollers.)



CASE OF 40 **A1867501**  
 SINGLE ROLLER **1867501**

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



# MEGAMC® 824

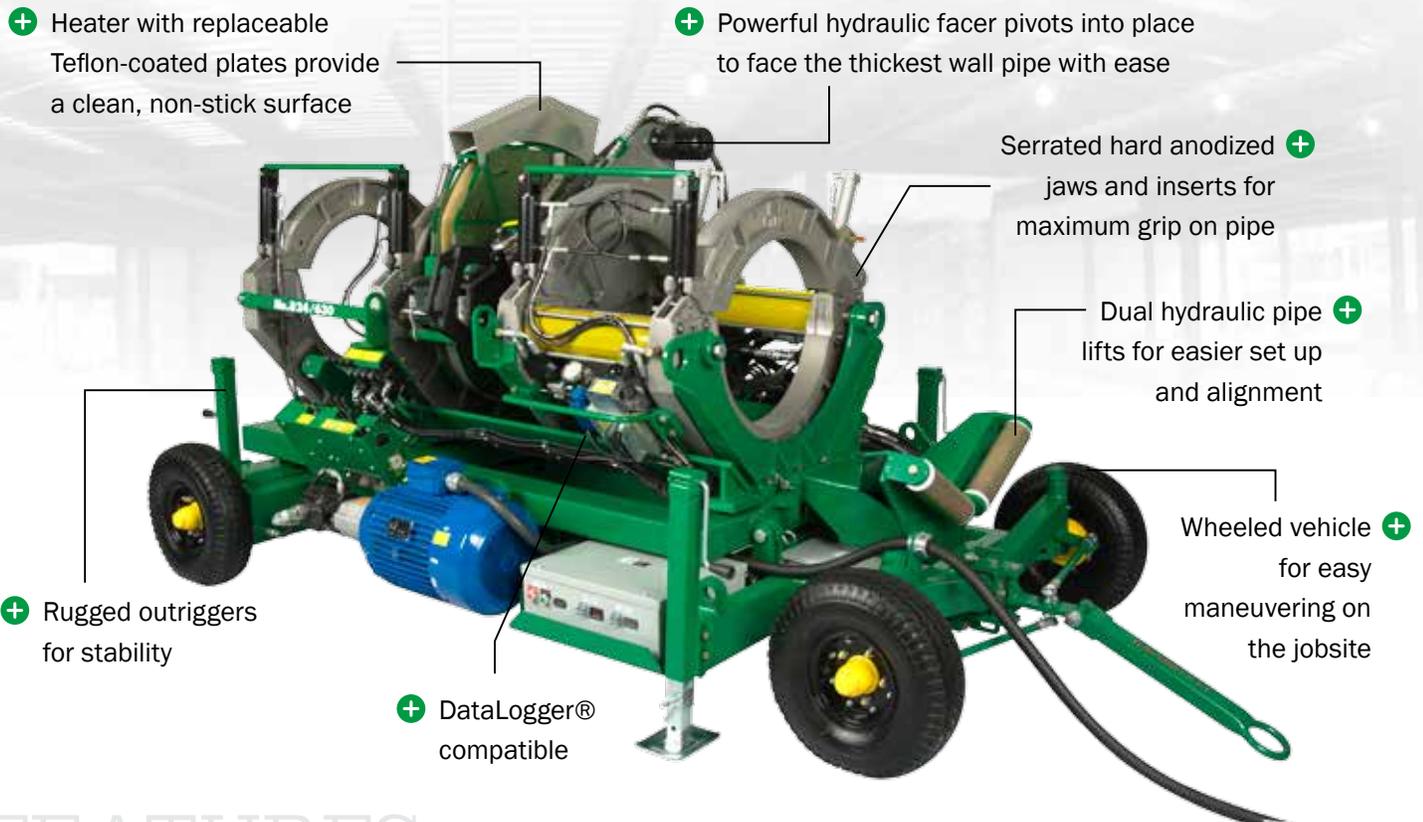
Butt Fusion Capability For 355mm-630mm (14"-24") Polypropylene Pipe

The **MegaMc® 824** will butt fuse pipe sizes from 355mm to 630mm. These revolutionary machines bring the flexibility of the smaller machines to MegaMc

large-diameter fusion. It is the first fusion machine of this size specifically designed for close-quarter work with all the advantages of a track or rolling machine.

The carriage has 4 jaws with a removable 3-jaw carriage and is capable of top loading the heater and facer to maximize functionality within limited space.

FUSION MACHINES



Model **A2435503**



### 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 heater temperature and fusion pressure profiles over time in adherence to supported fusion standards. **See pg 48 for more information.**



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

# TRACSTAR® 630

Butt Fusion Capability For 355mm-630mm (14"-24") Polypropylene Pipe

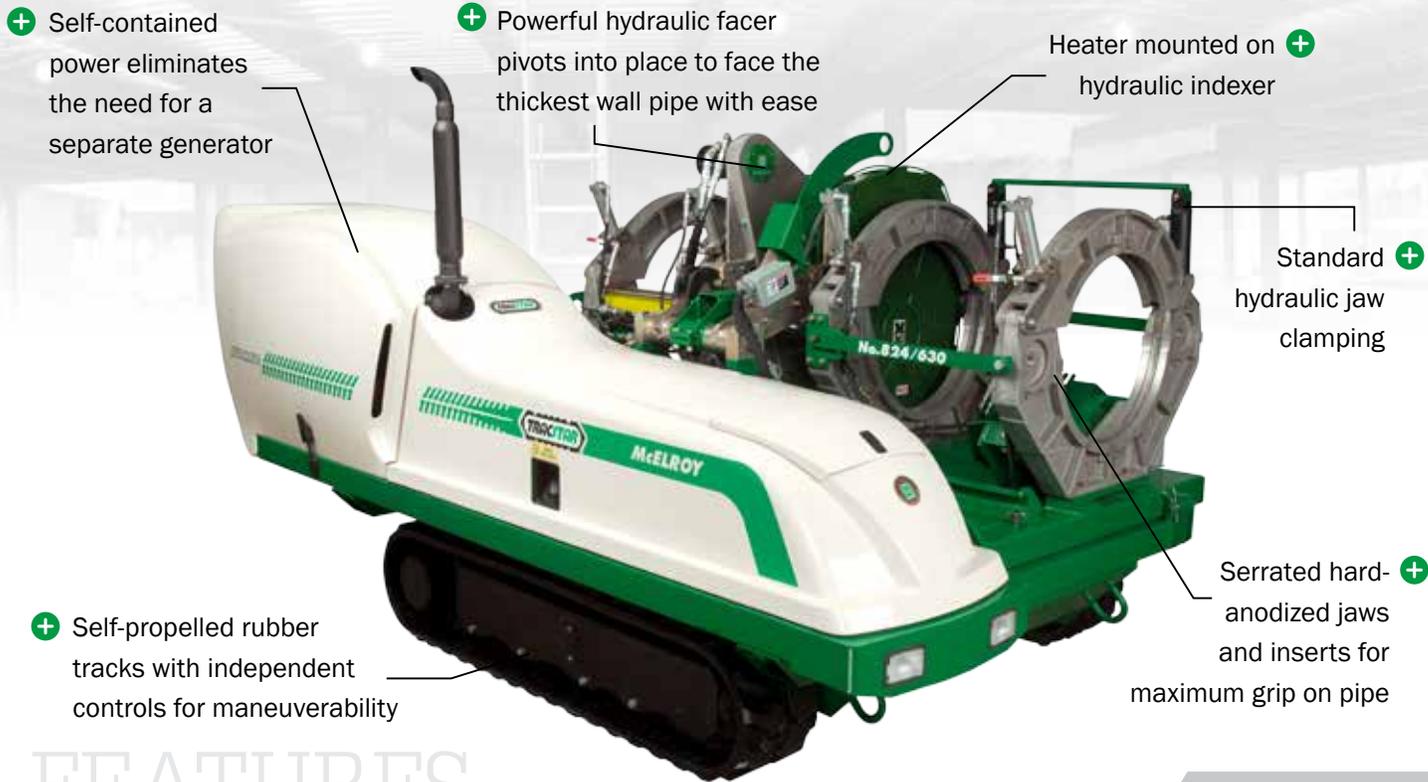
The **TracStar® 630** offers a self-contained, self-propelled, track-mounted vehicle that can handle grades up to 30 percent. The machine can fuse polypropylene pipes and fittings from 355mm to 630mm.

The TracStar 630 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 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.

FUSION MACHINES



## FEATURES

Model **AT2400103**



### 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 48 for more information.**

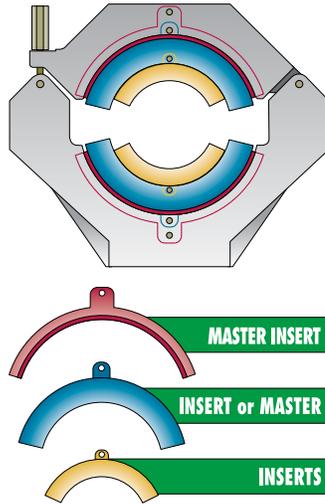


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# INSERTS

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.

**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.
18" Master	457mm (18.00")	2411708
500mm	500mm (19.69")	2412011

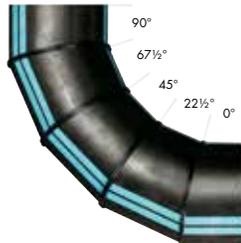
All inserts below require 18" OD Masters

450mm	450mm (17.72")	2418201
400mm	400mm (15.75")	2412111
355mm	355mm (14"OD)	2412206

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.
18" Master	457mm (18.00")	2411708
500mm	500mm (19.69")	2412014
450mm	450mm (17.72")	1411214

All inserts below require 18" OD Masters

400mm	400mm (15.75")	2420618
355mm	355mm (14"OD)	2420617

SET = 4 INSERTS AND 1 TEMPLATE

# MEGAMC 824 AND TRACSTAR 630 SPECIFICATIONS

**MegaMc 824 and TracStar 630 machine packages include** fusion machine, facer, heater and lifting assembly. Specifications subject to change without notice.

### MODELS

<b>MegaMc 824</b>	<b>A2435503</b>
<b>TracStar 630</b>	<b>AT2400103</b>

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

### ENGINE

<b>Engine Type</b>	N/A	84.5 HP liquid cooled
<b>Fuel Type</b>	N/A	Diesel
<b>Fuel Tank Capacity</b>	N/A	23 Gallons (87 L)
<b>Operational Tank Cap.</b>	N/A	17 Hours
<b>Starting System</b>	N/A	Electric

### WEIGHT

<b>Machine</b>	5905 lbs (2678Kg)	8600 lbs (3900Kg)
<b>4-Jaw Carriage</b>	3790 lbs (1719Kg)	3790 lbs (1719Kg)
<b>3-Jaw Carriage</b>	1350 lbs (612Kg)	1350 lbs (612Kg)
<b>Facer</b>	390 lbs (177Kg)	390 lbs (177Kg)
<b>Heater</b>	240 lbs (109Kg)	240 lbs (109Kg)

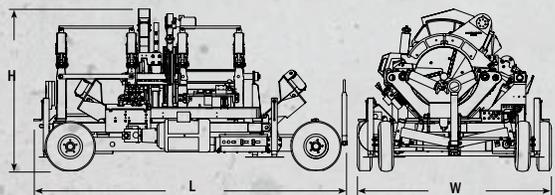
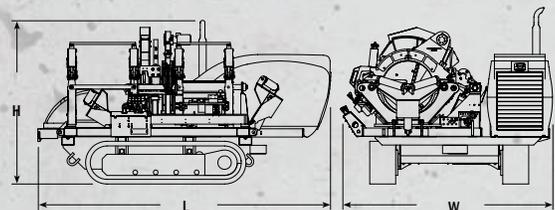
### HYDRAULICS

<b>Max. Gauge Pressure</b>	800 PSI (55.16 BAR)	800 PSI (55.16 BAR)
<b>Reservoir Capacity</b>	28 Gallons (106 Liters)	12 Gallons (45 Liters)

### CHASSIS & MOBILITY

<b>Frame</b>	Welded steel construction	Welded steel construction
<b>Tires/Tracks</b>	High-flotation inflatable	Rubber crawler tracks
<b>Transportation</b>	Pulled via tow ring	Self-propelled
<b>Vehicle Speed</b>	N/A	Low 1 MPH High 1.7 MPH

### DIMENSIONS



	MegaMc 824	TracStar 630
<b>Width</b>	83" (2108mm)	98" (2489mm)
<b>Length</b>	131" (3327mm)	141" (3581mm)
<b>Height</b>	69" (1753mm)	84" (2134mm)

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

FUSION MACHINES

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



STANDARD	<b>3615710</b>
COATED	<b>3515710C</b>
CARBIDE	<b>3615710T</b>

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



STANDARD	<b>3615712</b>
COATED	<b>3615712C</b>

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



**DATALOGGER® 5**  
Record and document fusion process parameters and details.

ENGLISH **DL16001**

SPANISH **DL16002**

See website for more languages



**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 necessary. **T2409101**



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



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



**MEGAMC® PIPE STAND**  
Powered pipe stand with lateral and vertical movement.

GAS **3645001**

DIESEL **3645002**



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

MEGAMC 824 **2429101**

TRACSTAR 630 **T9017401**



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



# PIPE HANDLING

Pipe Handling Accessories For 90mm to 500mm 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.

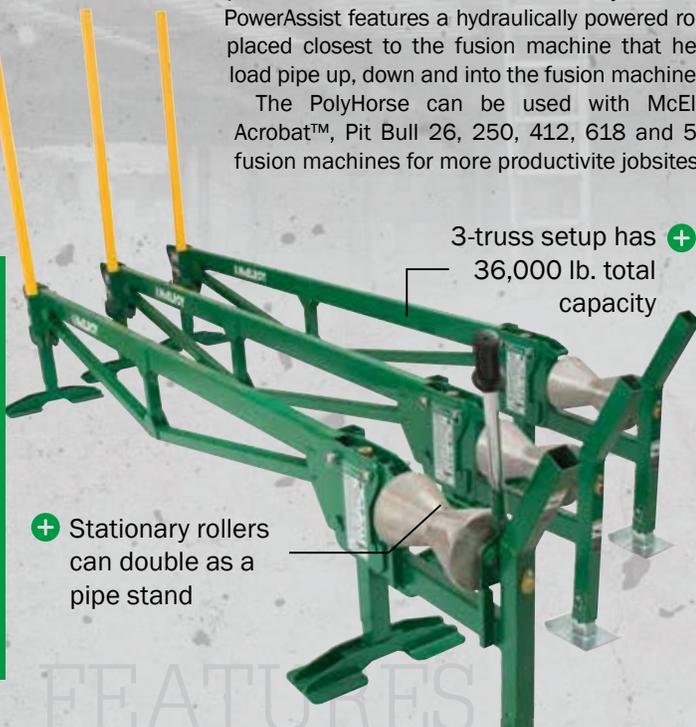
Pipe is off-loaded from the delivery truck directly onto the PolyHorse, off the ground and out of the way until needed. For even more productivity, the PolyHorse can be ordered with the special PowerAssist attachment. The PolyHorse with PowerAssist features a hydraulically powered roller placed closest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

The PolyHorse can be used with McElroy Acrobat™, Pit Bull 26, 250, 412, 618 and 500 fusion machines for more productive jobsites.

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.

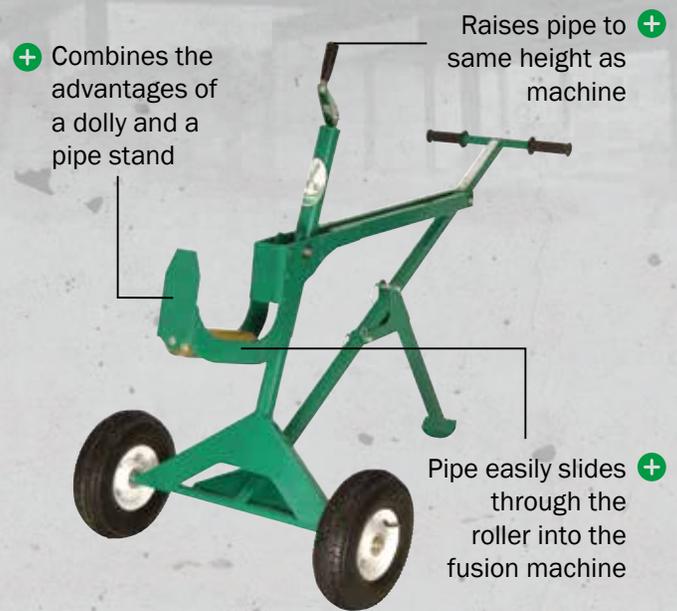
One person can easily load a length of pipe without strain, the pipe can then be slid easily through the roller-equipped hook arm into the fusion machine. The jack enables the operator to raise and lower the PolyPorter to level the pipe in uneven terrain to the height of the machine.

ACCESSORIES



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

+ Stationary rollers can double as a pipe stand



+ 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

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

Model **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.



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# ACCESSORIES

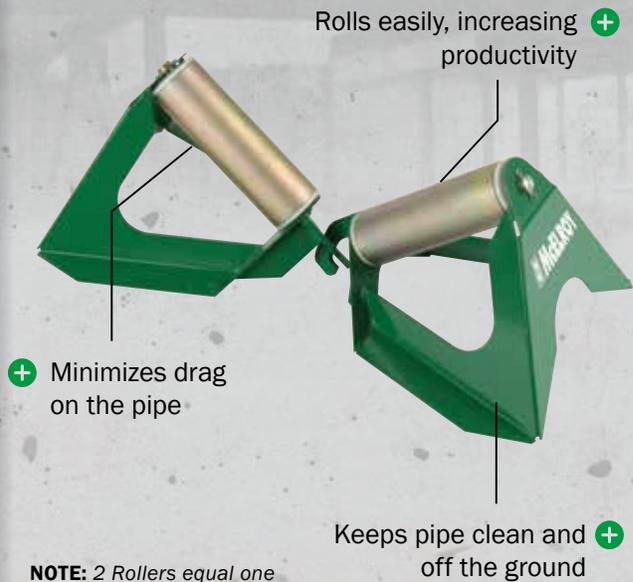
**Pipe stands** save wear and tear on machinery, reduce strain on operators and make the fusion process easier. Pipe stands are adjustable for uneven terrain so that the pipe is supported at the same height as the machine. By bringing the pipe in parallel to the machine it is much easier to adjust hi/low and achieve a square face-off. When building a pipeline, pipe stands can greatly increase productivity. Instead of moving the machine for each joint, you would pull the fused pipe through the machine and roll in a new stick to be fused. This allows you to stage all the pipe in one location, and keep the fusion machine stationary, minimizing down time between fusion joints.



Adjustable for uneven conditions +

+ Properly support, position and align pipe to be fused

The **Low Profile Rollers** are to be used with 100mm - 450mm pipe. McElroy's rollers allow you to pull a string of thermoplastic pipe around a curve and over considerable distances. Pipe, and even the fusion joints, slide easily through the rollers and off the ground, keeping the pipe clean and increasing productivity. Easily paired with the PolyHorse® and other McElroy products, the Low Profile Rollers are versatile, handy, and essential for projects that need high-performance pipe rollers to improve workflow.



Rolls easily, increasing productivity +

+ Minimizes drag on the pipe

Keeps pipe clean and off the ground +

**NOTE:** 2 Rollers equal one pair. Rollers should be ordered in multiples of 2.

Models 26-250 MACHINES  
**812501**

412-500 MACHINES  
**AT5066701** MANUAL PIPE STAND  
**AT5066702** PIPE STAND PACKAGE WITH HEIGHT ADJUSTMENT  
**AT5066703** PIPE STAND PACKAGE WITH HEIGHT ADJUSTMENT AND PUMP PACKAGE

Models **A1867501** CASE **1867501** SINGLE ROLLER

ACCESSORIES



**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 rollers, fits in the bed of a standard pick-up truck.



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# DATALOGGER® 5

## Fusion Joint Verification and Documentation

The McElroy **DataLogger® 5** is used to record and document key parameters of the fusion process to determine if a joint was fused with correct pressure and times according to supported standards.

The DataLogger 5 generates joint reports for in-field review or transfer to the DataLogger Vault™, a free online application that provides secure storage and unparalleled joint data analysis capabilities.

The DataLogger 5 features GPS stamping for a more accurate location of the fusion joint, a 2D scanner that records barcode information from pipes and fittings, and full support for wireless networks.

ACCESSORIES



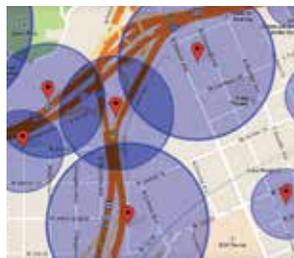
**DataLogger**

## FEATURES

Models **DL16001** ENGLISH **DL16002** SPANISH **DL16003** PORTUGUESE **DL16004** RUSSIAN **DL16005** CHINESE



**FUSIONGUIDE™ VISUAL GRAPH INTERPRETATION**  
Quickly interpret graphic representations of key parameters of the pipe fusion process such as heat and cool times and fusion pressures.



**GPS TAGGING**  
Tag multiple locations for each fusion joint such as the point of fusion and the eventual burial location.



**5MP CAMERA**  
Enhance your DataLogger joint reports by including photos of fusion joints, jobsite conditions, face-off and more.



**DATALOGGER VAULT™ COMPATIBLE**  
Securely store, sort and analyze fusion joint records from all your jobsites in one central location.

# DATALOGGER® VAULT™

Collect, Store and Analyze Fusion Joint Data in the Cloud

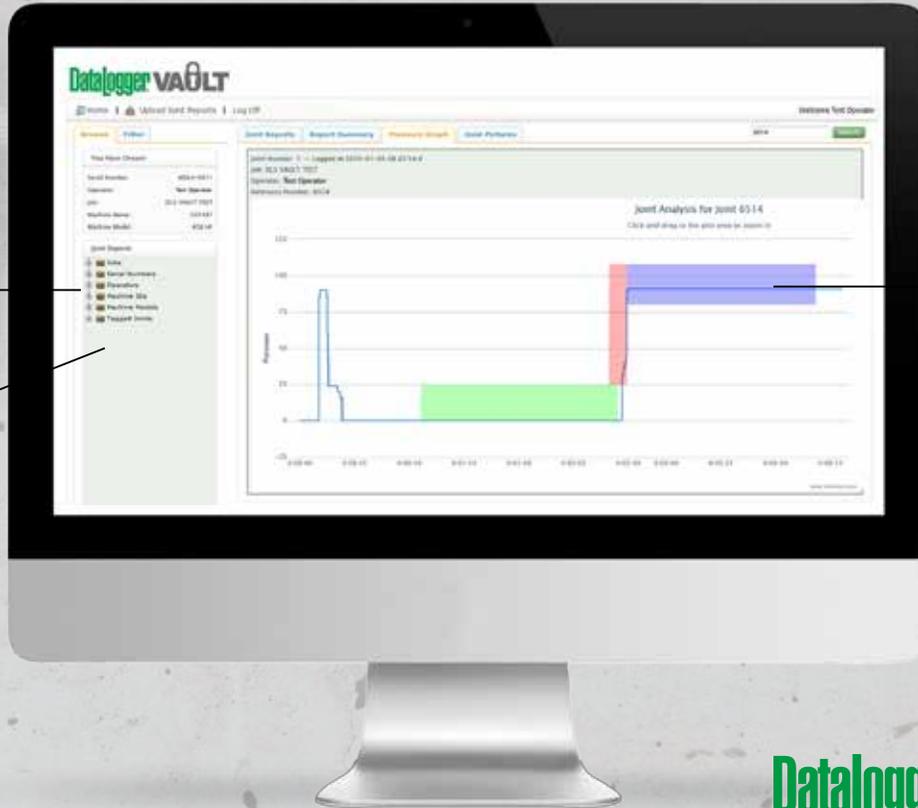
The **DataLogger Vault** is a secure server available on the internet to store fusion joint data from not only the

DataLogger 5 but also previous models such as the DataLogger 3 and 4. This new offering will allow users to store

their fusion joint data and have access to a variety of analytical tools.

+ Quickly sort and tag joint records by machine, joint, operator, device or job

+ Securely store joint records from all jobsites



+ Visually analyze completed fusion joints

DataLogger VAULT

## FEATURES



### SECURE STORAGE

Data uploaded to the DataLogger Vault is hosted on secured servers that are actively monitored, maintained, and backed up. Technical details regarding to data security are available upon request.



### ACCESSIBLE

**ANYWHERE** DataLogger Vault data is available securely online, and accessible from almost any Internet-connected device with a web browser. An operator in one location can upload data which can be immediately reviewed by an inspector or another person in a separate location.



### AUTOMATED GROUPING

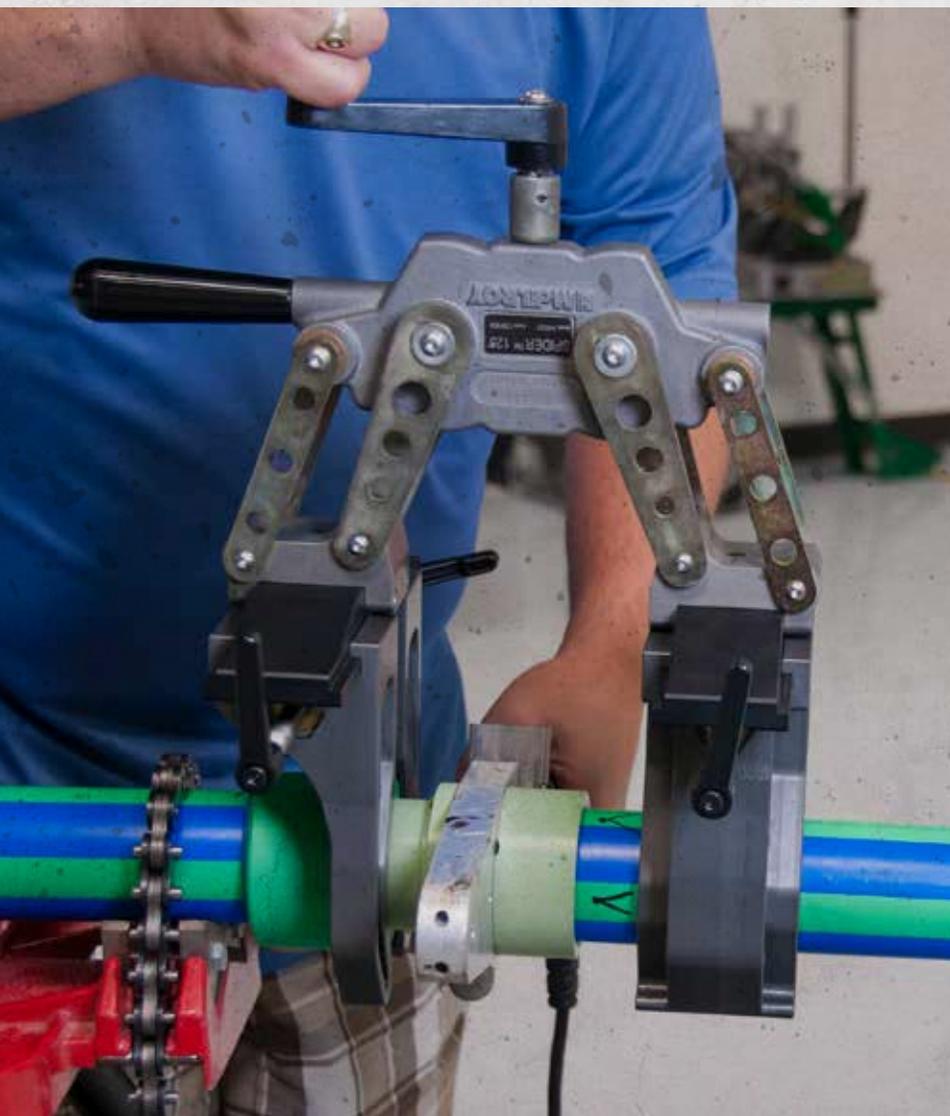
When joint data is uploaded to the Vault, it's automatically grouped by serial number, machine ID, machine model, operator ID, and job ID. This makes it easy to review a set of joint data even though it may have come from different DataLoggers or operators.



### COMPATIBLE WITH DATALOGGER 3, 4 AND 5

The DataLogger Vault allows users to store, review, and analyze fusion joint data from McElroy DataLogger models 3, 4, and 5 in one secure, central location.





**THE  
LEADER  
IN THERMOPLASTIC  
PIPE  
FUSION  
MACHINES & ACCESSORIES**



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