McElroy Productivity Tools It's not cheating... It's working smarter.

Typical Productive Job Site Setup Using McElroy Equipment

Each job site is a puzzle. McElroy makes productivity tools so you have the pieces to complete the puzzle in the shortest amount of time.

It's not just one or two tools either – it's a whole team of productivity tools that can be mixed and matched. With help from your local McElroy distributor, you can target the tools best suited to the job at hand. This can save you time and money.

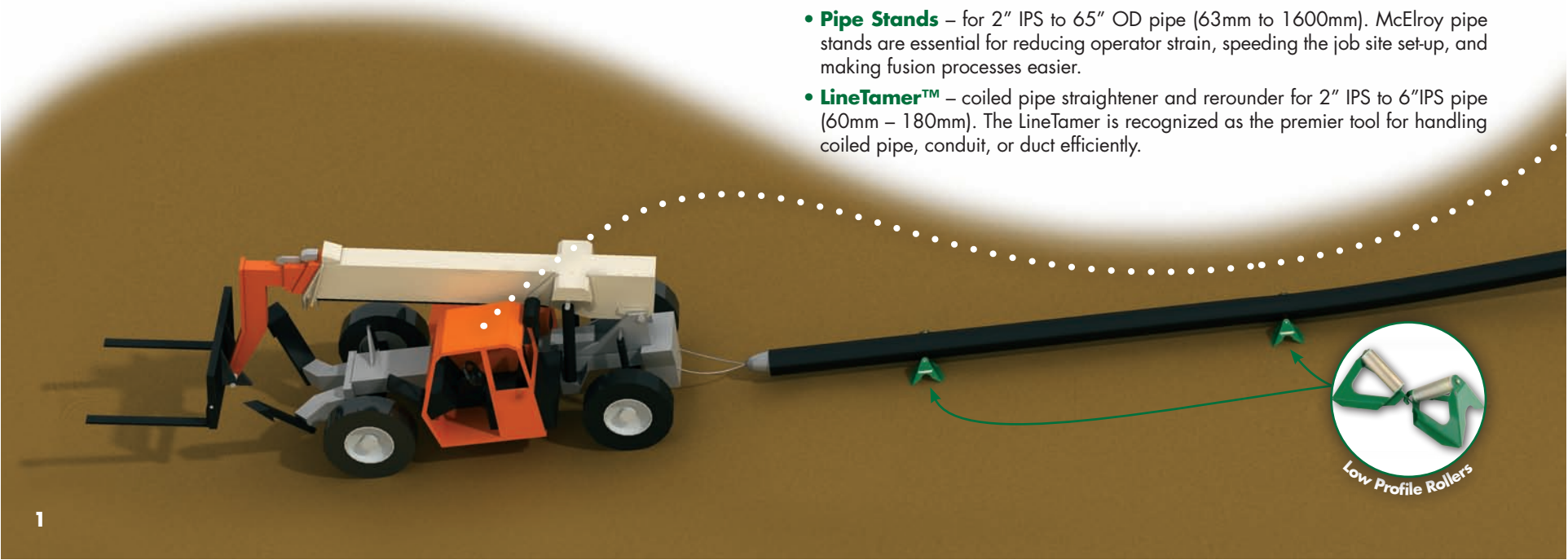
Our team of productivity tools helps you excel before, during, and after the pipe fusion process.

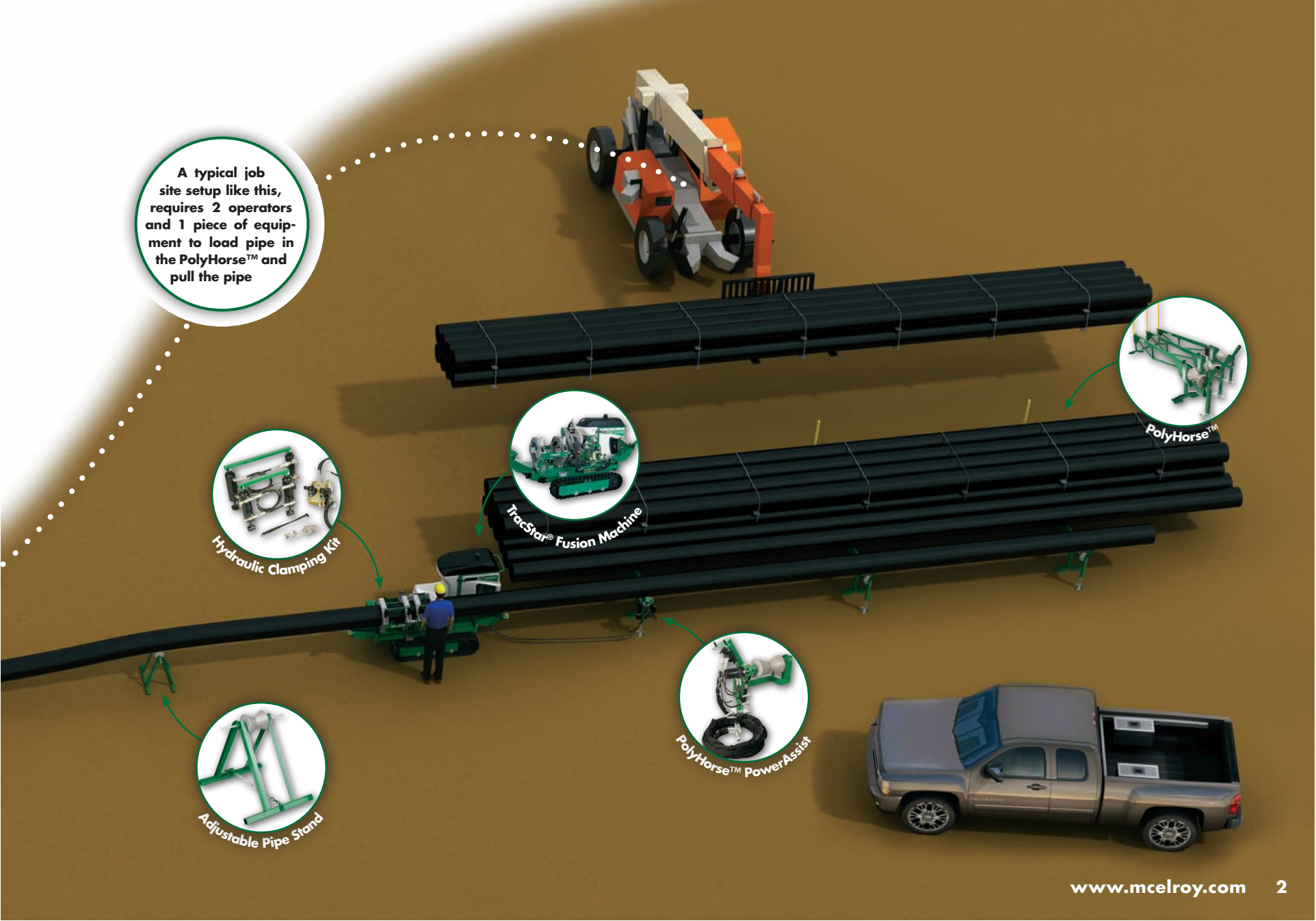
When time is money, McElroy products shine. The Pipe Fusion Experts want you to have the best pipe-handling and productivity-boosting products available. Knowing how these products can work in your favor can make you even more profitable.

McElroy Productivity Tools **It's not cheating...It's working smarter.**

The McElroy productivity team includes:

- **PolyHorse™** – a pipe-handling system for 3" IPS to 20" OD pipe (90mm – 500mm). The PolyHorse reduces manpower and machinery needed on the job site.
- **Low Profile Rollers** – pipe rollers for 4" to 20" pipe (100mm – 500mm). The Low Profile Rollers are perfect for pulling lengths of pipe considerable distances.
- **TracStar® Fusion Machines** – self-contained, self-propelled, all-terrain fusion machines. The TracStar machines offer the utmost flexibility and maneuverability on a job site.
- **Hydraulic Clamping** – hydraulic help for clamping 412 and 618 fusion machines. Hydraulic Clamping saves time and operator fatigue when clamping jaws open and closed.
- **PolyPorter™** – pipe stand and dolly for 2" IPS to 8" DIPS pipe (63mm – 250mm). The PolyPorter allows a single operator to maneuver a stick of pipe into a fusion machine.
- **Pipe Stands** – for 2" IPS to 65" OD pipe (63mm to 1600mm). McElroy pipe stands are essential for reducing operator strain, speeding the job site set-up, and making fusion processes easier.
- **LineTamer™** – coiled pipe straightener and rerounder for 2" IPS to 6"IPS pipe (60mm – 180mm). The LineTamer is recognized as the premier tool for handling coiled pipe, conduit, or duct efficiently.




A typical job site setup like this, requires 2 operators and 1 piece of equipment to load pipe in the PolyHorse™ and pull the pipe
Hydraulic Clamping Kit
TracStar® Fusion Machine
PolyHorse™
PolyHorse™ PowerAssist
Adjustable Pipe Stand

PolyHorse™ Pipe Handling for 3″ IPS to 20″ OD Pipe (90mm - 500mm)

Imagine a better solution – a more productive way of storing pipe on a job site, all while reducing manpower and expenses. Visualize the opportunity to order sticks of pipe and still fuse and operate as fast as coiled pipe of the same size. Picture the PolyHorse™.

McElroy's PolyHorse is a pipe-handling system that consists of a series of adjustable racks. The racks hold the sticks of pipe when they are delivered and conveniently allow the pipe to be maneuvered onto the rollers and loaded into the fusion machine. With reduced manpower and machinery, this job setup is proven to show as much as a 150% increase in productivity.

As a modular piece of equipment, the PolyHorse can be tailored to your job site needs. The PolyHorse eliminates the piece of machinery needed to lift and load pipe in the fusion machine. With the PolyHorse, all pipe is stored in position with minimal effort needed to load the pipe into the fusion machine. Operators also suffer less worksite fatigue with use of the PolyHorse.

PolyHorse Productivity Chart		
IPS Pipe Size	No. of Joints	Fused Pipe ft.
4	142	7,100
6	102	5,100
8	82	4,100
10	68	3,400
12	58	2,900
18	40	2,000

The chart shows the predicted productivity using the PolyHorse in an 8 hour day. All joints based on 60 second per inch of pipe diameter cool time, and the use of 2 fusion machines.

How can the PolyHorse help you?

- Reduce manpower and additional equipment
- Handle pipes sized 3″ to 20″ OD (90mm – 500mm)
- Enhance productivity up to 150%

Introducing the PowerAssist

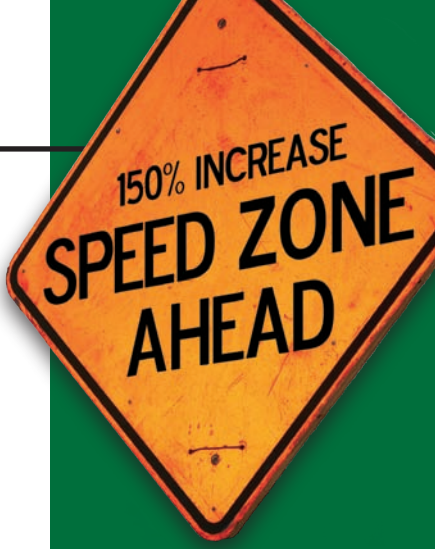
To get even more out of your PolyHorse, McElroy created the PolyHorse PowerAssist. The PowerAssist is a hydraulically powered roller that helps maneuver the pipe up, down, and into the fusion machine. The hydraulic power comes from tapping into your fusion machine's facer lines.

The PowerAssist can be purchased on a new PolyHorse or as an assembly kit for existing PolyHorses.

PolyHorse Kit with PowerAssist

Part No.

- 1875501 - PolyHorse Kit
- 1875502 - PolyHorse Kit with PowerAssist
- 1874401 - PowerAssist Retrofit Kit



SUCCESS STORY

In Hobbs, New Mexico, workers were fusing pipe in a race against a bonus-laden contract. If the job was completed before the given date, the construction company would receive $5,000 per day bonus. Using a McElroy TracStar® 412 and PolyHorse, one operator easily rolled the pipe down the rack, onto the integrated pipe rollers, and into the fusion machine.

The workers were already very optimistic about attaining the fruits of the bonus in the contract. The use of McElroy fusion equipment and the PolyHorse has put them far ahead of schedule.

TESTIMONIAL

"The PolyHorse eliminates a large piece of construction equipment and speeds the whole operation. To watch a single worker feed a 50-foot piece of DR 9 into a fusion machine by hand is a thing of beauty." — Bill H.

The Power of Modular Flexibility

McElroy's productivity tools are modular in nature. You can mix and match to meet the needs of the job site.

Modular flexibility puts the power in your hands. With input from your local McElroy distributor, you can plan out the cost-efficient and timely way to complete your fusions. When time is money, modular flexibility is a good thing.

One technique supported by modular flexibility is piggybacking. Piggybacking is the use of one machine operator performing fusions on multiple machines. The operator floats from machine to machine, fusing a joint while another joint cools.

A piggybacking site benefits from multiple fusion machines, but those sites could become even more productive with the addition of two or more PolyHorses. The PolyHorse™ stores enough pipe sticks on site for the fusion machine to continuously fuse pipe without needing heavy machinery to frequently bring new sticks of pipe to the fusion machine.

Image shows these items for increased productivity
2 - Fusion Machines
2 - PolyHorse Kits
3 - Stationary Rollers
2 - Pipe Stands

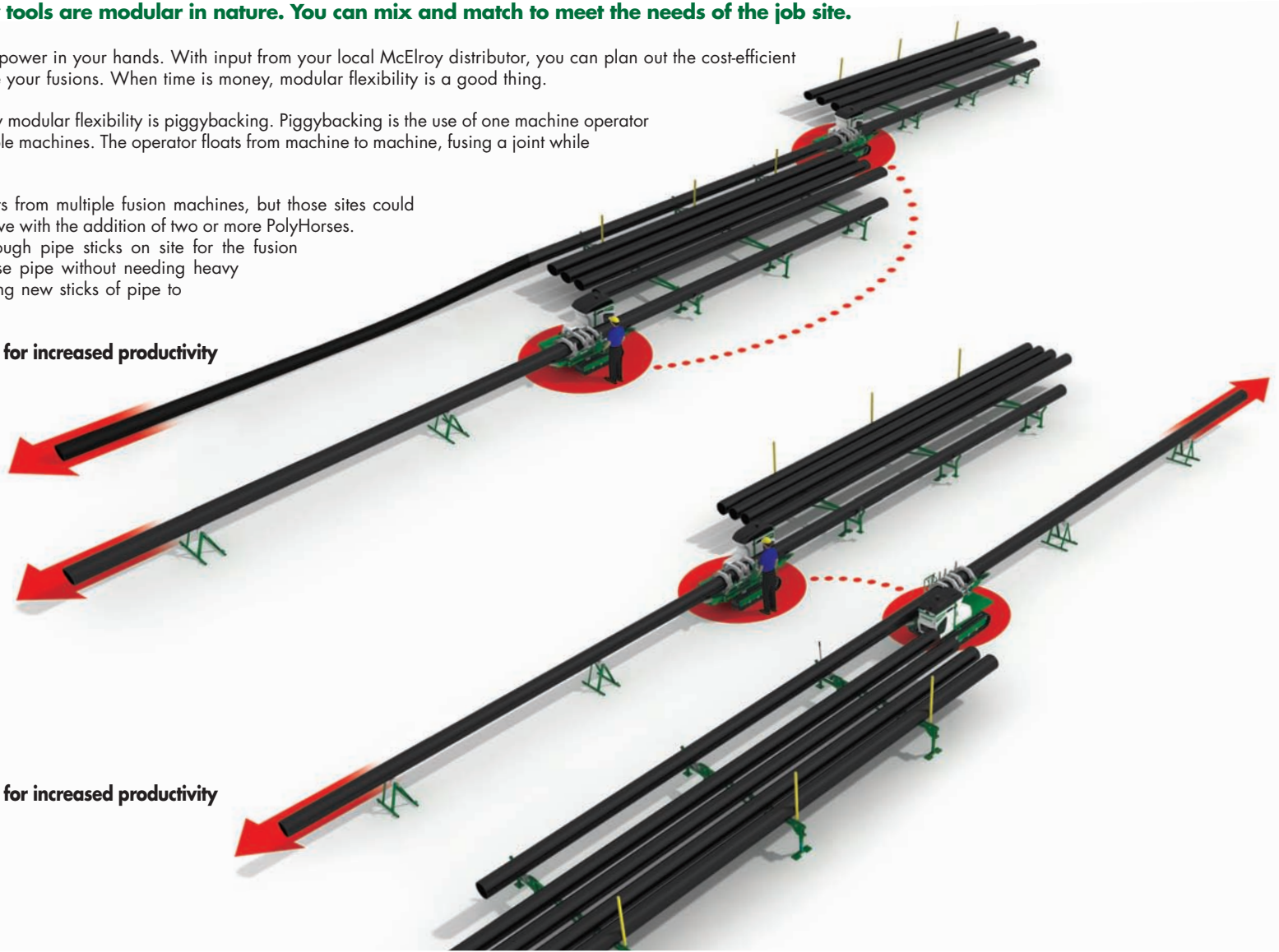


Image shows these items for increased productivity
2 - Fusion Machines
2 - PolyHorse Kits
4 - Pipe Stands

Piggybacking

Increase productivity by using more equipment and one operator

Piggybacking is the process of using one fusion technician to operate additional fusion machines at the same time. When following standard fusion procedures, there is a cool-down time where the pipe remains in the machine. By using the "down time" in your favor, it is possible to increase productivity.

While a fusion joint is cooling on the first machine, the technician can then go and perform fusions on other machines located nearby. The rotation to each machine continues throughout the work day. On large-diameter job sites, the production advantage grows exponentially with the amount of pipe involved.

SUCCESS STORY

In Dalton, Georgia, a huge project called for 1 million feet of pipe to be fused. Some contractors bid the job to take four years. W.L. Hailey, a construction company in the area, promised to have the job done in a year. The key to the winning bid was their knowledge of piggybacking, as well as having a fleet of 19 McElroy machines ready to perform the task.

W.L. Hailey used the 19 machines and the piggybacking technique to fuse the million feet of pipe in 10 months – not the proposed year.

TESTIMONIAL

"The daily cost of being on any job site is a heck of a lot higher than the cost of additional fusion machines. Time is crucial to the bottom line and piggybacking gives contractors a big advantage in time." — Brian S.

Low Profile Rollers Pipe Handling Capability for 4" to 20" (100mm - 500mm)

When a length of pipe is fused, the question arises — How do we get this fused length of pipe where we need it?

McElroy's answer to pulling lengths of pipe efficiently is the Low Profile Rollers. Built strong and tip resistant, the Low Profile Rollers are designed for 4" to 20" (100mm – 500mm) diameter pipe and can carry a maximum load of 2,500 lbs (1,134Kg) per set. By placing the Low Profile Rollers at intervals, you create a track by which the pipe and fusion joints can slide through the rollers. This technique is especially important in industries where specifications require the contractor to keep the pipe off the ground.

Low Profile Rollers have features that are ideal in many job site situations:

- When the job is completed, the crate of 40 roller assemblies can be stored in a "nested" fashion.
- The rollers can be paired with other McElroy productivity equipment, such as pipe stands or the PolyHorse.
- The Low Profile Rollers come in a crate that will fit in the bed of a standard pick-up truck. This allows workers to distribute the rollers easily along the right of way by handing the rollers to a co-worker walking along the path. The roller assemblies are then hooked together for use.

Part No.

- A1867501 - Crate of 40 roller assemblies
- 1867501 - Individual roller (2 required for assembly)

SUCCESS STORY

At Highland Valley Copper in British Columbia, polyethylene pipe is used in eight different ways – transporting water and even solid slurry through the pipes. Needless to say, some of the roughest and most beaten pipe exists at the Canadian site. The miners expect the pipe to perform regardless of the operation, and often pull the pipe along gravel service roads. When opportunity arose to test the Low Profile Rollers, some apprehension persisted. They didn't believe the pipes and the fusion joints would pull smoothly through the rollers.

Jaws dropped, eyes opened wide, and mindsets changed after just four roller assemblies were placed along the anticipated pull. The 18-inch test pipe moved along the rollers as a standard pick-up truck pulled the pipe. With an upcoming job that included 88 truckloads of 18-inch DR 26 pipe, Highland Valley Copper found a new, productive tool to put into play.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Hydraulic Clamping Machine Upgrade Option for 412 and 618 Machines

Hydraulic Clamping securely tightens the jaw clamps without hand-wrenching the clamps. This makes the fusion process more productive, minimizing the time to clamp the pipe. New 412 and 618 machines can be ordered with this upgrade option.

Current owners of Rolling and TracStar® 412s, as well as Rolling and TracStar 618s, can retrofit their fusion machines with hydraulic clamping kits that replace standard manual crank clamp knobs. The retrofit kit can be installed by your local McElroy distributor, and includes a manifold block that is added to the carriage and controls the two fixed jaw cylinders and two moveable jaw cylinders independently.

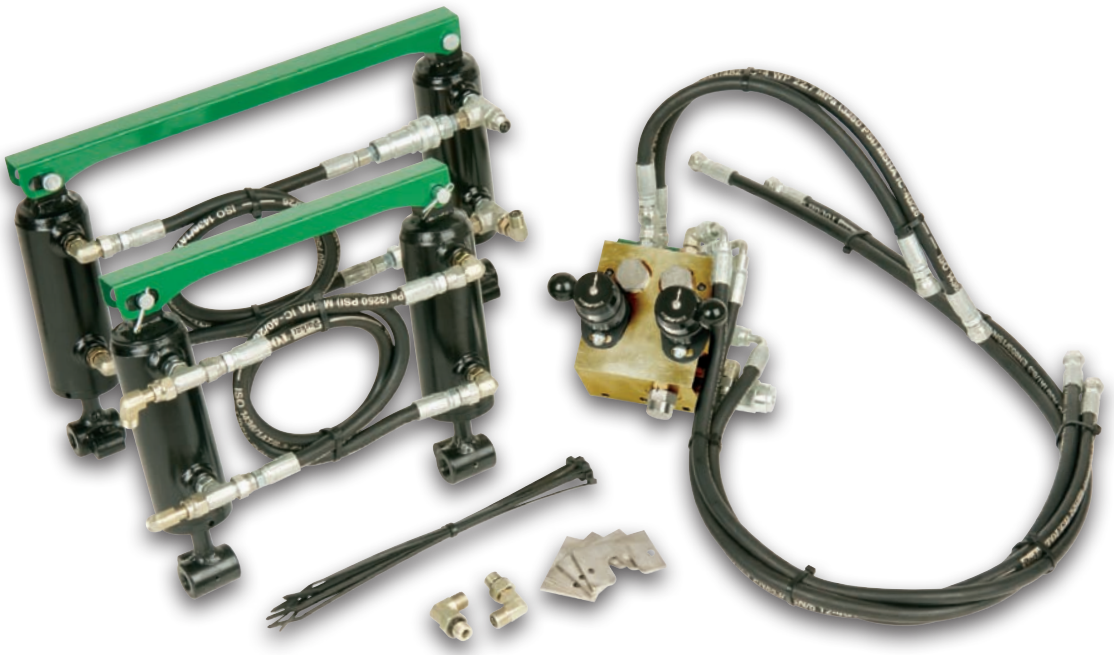
How can Hydraulic Clamping help you?

- No more manual cranking of clamp knobs
- Less time spent working with jaw operations
- Quick disconnect fittings for fusing tees, ells, and tie-ins

Part No.

- A1262301 - Retrofit Kit for Rolling and TracStar 412
- A1870301 - Retrofit Kit for Rolling and TracStar 618
- New 412 and 618 machines can be ordered with hydraulic clamping preinstalled by adding "HC" to the end of the part no.

These kits are compatible with any TracStar No.412/PitBull No.412 and TracStar No.618/ PitBull No.618 machine. Also compatible are the 412 and 618 rolling machines introduced in 2003 under the model number series 12481XX & 18691XX. New 412 and 618 can be ordered with hydraulic clamping pre-installed.



Why Hydraulic Clamping retrofit kits?

"Our mid-range machines were originally designed with manual cranking of the jaws' clamp knobs that secure and hold the pipe for the fusion process. Customers that knew our complete line of machines asked for this large-diameter feature to be introduced for some smaller machines. We answered the call with this convenient and cost-appropriate clamping option." — Chip McElroy, President and CEO

TracStar® Self-contained, self-propelled, all-terrain fusion machines

While many contractors swear by their Rolling machines, McElroy created the TracStar® series of machines in 1997. Today, those machines are still offering the ultimate in job site flexibility and maneuverability.

TracStars are a popular choice because the self-contained, self-propelled, all-terrain fusion machines handle mountainous terrain, dense forest floors, and congested urban areas with ease. A TracStar unit is capable of pulling long lengths of pipe considerable distances.

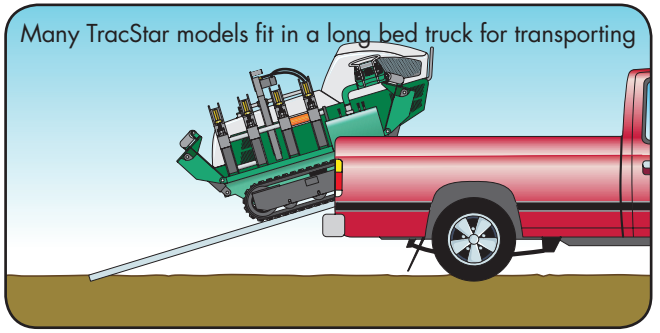
Once on the job site, the TracStar is excellent at moving underneath the pipe – so you can make small adjustments with the machine without having to move the pipe.

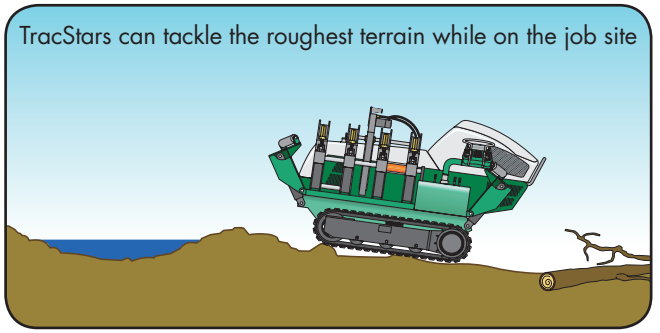
All TracStars also have the flexibility to perform in-ditch fusions. The removable carriage allows you to fuse in tight spaces with ease.

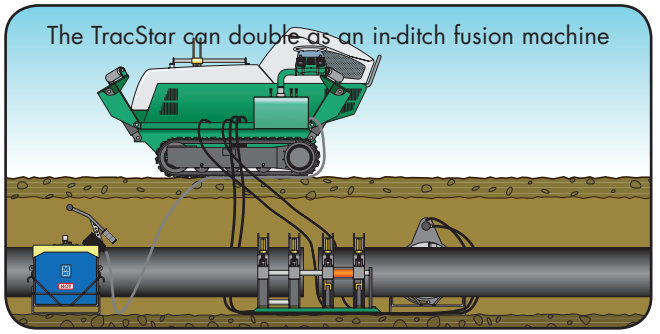
The self-contained electric power of the TracStar means you won't need an on-site generator either.

How can a TracStar help you:

- Jaw carriage can be removed for in-ditch fusions
- No special attachments or holders required for fusing fittings
- Traverses through mud, loose soil, snow, and grades up to 30%
- Ability to maneuver into position under the pipe
- Easy to load, transport, and unload
- Self-contained, self-propelled, all-terrain
- Can pull long lengths of pipe great distances
- Built-in electric power eliminates need for on-site generator
- TracStar 28, 412, 618 & 500 models fit in a long bed truck


Many TracStar models fit in a long bed truck for transporting


TracStars can tackle the roughest terrain while on the job site


The TracStar can double as an in-ditch fusion machine

TESTIMONIALS

"The TracStar probably cut our fusion time in half." — John N.

"It's quite the little workhorse. If we want to fuse in the ditch, all we do is pull one pin, add the extension hoses, and we are in business." — Paul B.

"I walked that machine over sandstone rocks and through brush four feet high. It never even acted like it was having any trouble." — Bill R.

"It was a critical link in quality control on this project." — Randy S.

"This is quite a piece of equipment. I just drag the pipe into place with the TracStar and fuse it together by myself." — Robert B.


T2806

PolyPorter™ Pipe Handling for 2″ IPS to 8″ DIPS Pipe (63mm - 250mm)

Part No. 864201

Some of McElroy's best and most productive tools, such as the PolyPorter, are born from the minds of contractors.

With the PolyPorter, a fusion operator can single-handedly maneuver a stick of pipe into the fusion machine at the proper height. By simply tipping the PolyPorter toward the ground, the operator can scoop up the length of pipe. A jack allows the operator to lower or raise the pipe to the level of the machine. The pipe slides easily through the PolyPorter's roller and into the fusion machine.

PolyPorters are productive in many ways:

- Operates as a dolly and pipe stand
- One worker can load a length of pipe without trouble
- Jack can lower or raise the pipe to the level of the machine
- Supports a load of 300 pounds

No.14 Productivity Package

Saving time and money on the job site is as easy as ordering the No.14 Productivity Package. The package includes two PolyPorters, one No.14 fusion machine, and one manual fusion stand. Together, the products represent an efficient job site set-up for 1″ IPS to 4″ DIPS (32mm –110mm) pipe.

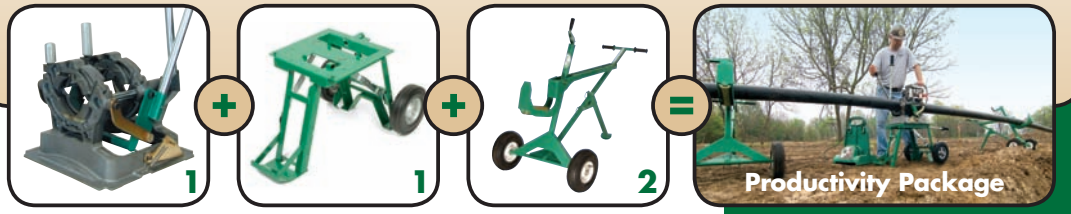
TESTIMONIAL

"We moved a lot of pipe in a short amount of time. This simple little tool made it possible for two men to load and operate two fusion machines at the same time without having another worker or separate piece of equipment to load the pipe into the machine." — Hugh L.

No.14 Productivity Package

No.A441501-110V **No.A441502-240V**

What you get in the productivity package: 1- No.14, 1- Manual Fusion Machine Stand and 2 - PolyPorters.



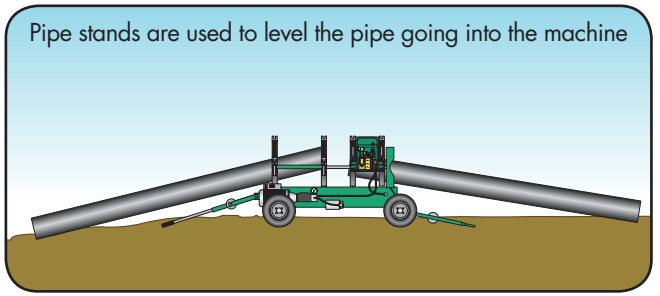
Pipe Stands Pipe Handling for 2" IPS to 65" OD Pipe (63mm - 1600mm)

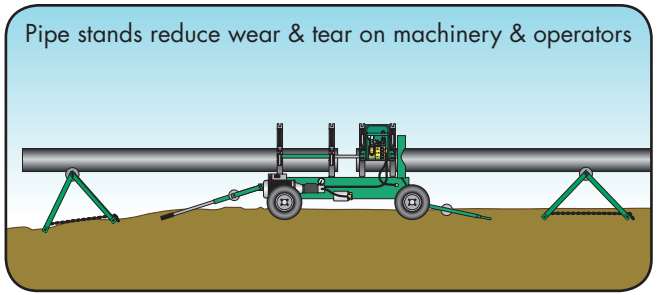
By using McElroy pipe stands, you reduce strain on operators and machines, making fusions easier. Pipe stands are adjustable for uneven terrain so that the pipe is supported at the same height as the machine. This makes it easier to adjust Hi/Low and achieve a square face-off.

When building a pipeline, pipe stands increase productivity. Instead of moving the machine for each joint, you pull the fused pipe through the machine and roll in a new stick of pipe to fuse. This allows you to store pipe in one location, keeping the machine stationary, minimizing down time between joints.

Pipe Stands are productive in many ways:

- Stage all the pipe in one location and instead of moving the machine, move the pipe
- Bringing pipe into the machine at parallels creates easier face-offs and fewer Hi/Low adjustments
- Pipe stands are adjustable for uneven terrain so that the pipe is supported at the same height of the machine
- Save wear and tear on fusion machines





Part No.	14	28	250	412	618	500	824	630	1236	900	1648	2065	1600	Maximum Load	Notes
	Applicable Machines														
422801	×													2500 lbs (1134Kg)	For use with the No.14 Cart (434001) only
812501	×	×	×											2500 lbs (1134Kg)	When used with No.14 use Manual Fusion machine Stand No.439001
864201	×	×	×											300 lbs (136Kg)	
1223201				×	×	×								2750 lbs (1247Kg)	N/A
2429101							×							4500 lbs (2041Kg)	N/A
T9017401							×	×	×	×				4500 lbs (2041Kg)	N/A
4823901							×	×	×	×	×			6500 lbs (2948Kg)	N/A
6314001												×	×	11,000 lbs (4989Kg)	N/A

SUCCESS STORY

Recently, on a 65-inch pipe project, McElroy pipe stands supported mammoth pipe for a sewer force main project in Louisiana. The setup process was fairly simple, even in a muddy setting. A standard tape measure gauged the height the pipe stands would sit to hold the pipes concentric to each other. Within a few minutes, the pipe stands were in place, level with the jaws of the fusion machine, and ready for the first joint of the day.

When dealing with large pipe, as well as other pipe sizes, homework on the front end of the process can result in a much easier fusion process. Bringing pipe lengths into the fusion machine at bad angles can cause damage to the machine. Using pipe stands properly can reduce the time spent facing and achieving an adequate Hi/Low – a definite time saver.

LineTamer™ Coiled Pipe Straightener & Rerounder

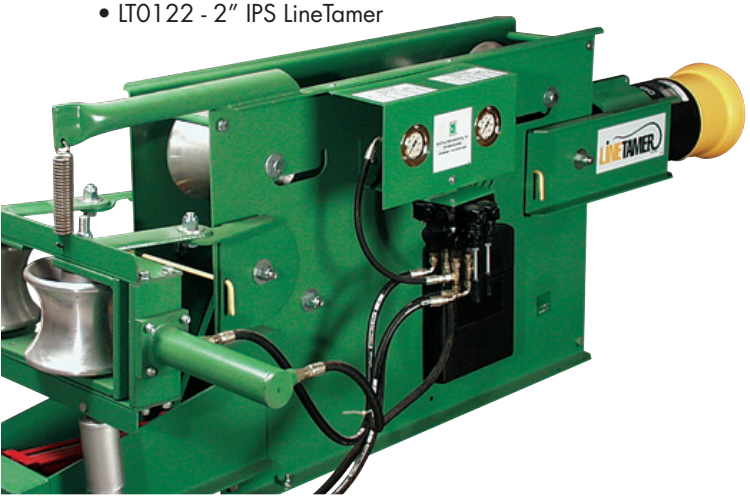
In some pipe installations, coiled pipe is the best choice for the job. The characteristics of coiled pipe can present problems, but it's nothing that McElroy's LineTamer can't handle. The LineTamer takes the headache out of rerounding and straightening coiled pipe by using a series of rollers and hydraulic power to handle the pipe. The LineTamer is available in two sizes – 2" IPS (60mm) and 3" to 6" IPS (90mm – 180mm) – with ball thrust bearings that make the rollers easy to adjust.

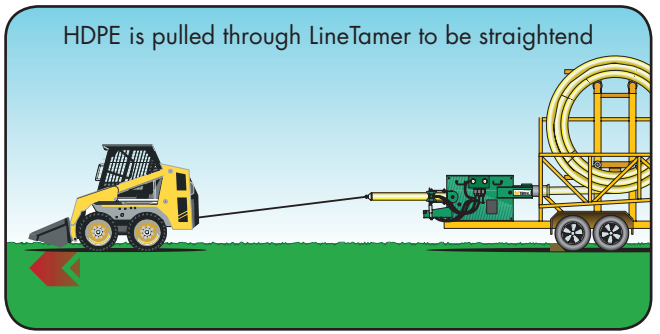
LineTamers and Coiled Pipe Trailers

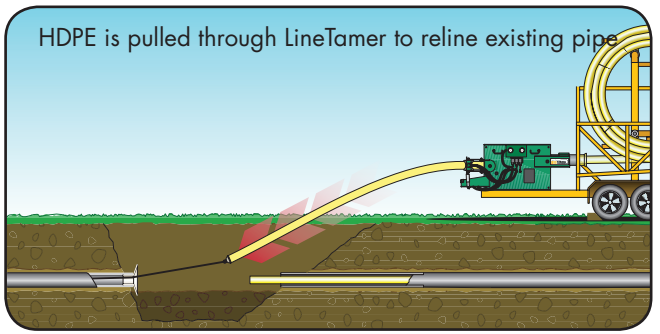
This efficient way of handling coiled pipe, conduit, or duct requires the McElroy LineTamer to be mounted on a specially designed, heavy duty, coil-pipe trailer. McElroy works closely with several OEM trailer manufacturers to provide complete trailer packages featuring the LineTamer. These field-proven trailer designs offer the highest level of productivity. Custom configurations, such as coil self-loading, powered threading rollers, and other customer-specific features are available.

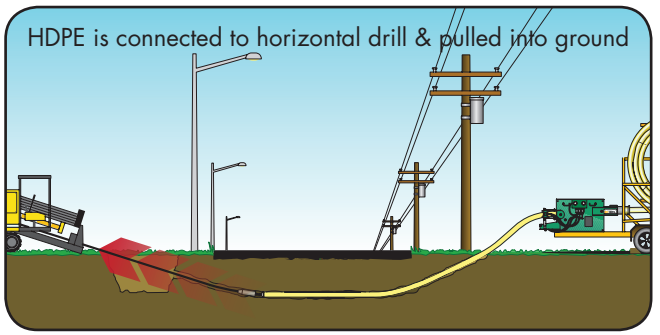
Part No.

- ALT0048 - 3 - 6" IPS LineTamer with HPU
- LT0048 - 3 - 6" IPS LineTamer
- LT0122 - 2" IPS LineTamer









SUCCESS STORY

The LineTamer played a key roll in the installation of HDPE at Boy Scout camps throughout Oklahoma. In one instance, the LineTamer handled 4" HDPE SDR 11 for a 3,500-foot sewer line at 32,000-acre Zink Ranch. The pipe rolls were delivered in 600-foot rolls, in lieu of 40-foot sticks of pipe. By using the LineTamer to straighten and reround the lengths of pipe, the new sewer line was in the ground and operational in a fraction of the time of using sticks of pipe.

TESTIMONIAL

"My guys were a little skeptical about the LineTamer at first, but after about the third roll everyone was sold. I think with a little practice two people could easily uncoil over a mile of 6-inch pipe a day. We estimate the LineTamer should save about four days of labor for every mile of pipe that we lay. What used to take a week, now takes a day." — David A.

McElroy Limited 3 Year Warranty

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 3 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 Manufacturing, Inc., or has become damaged due to misuse, negligence or casualty, or has not been operated or maintained according to McElroy Manufacturing, Inc.'s printed instructions and warnings. This warranty is expressly in lieu of all other warranties expressed or implied. The remedies of the Buyer are the exclusive and sole remedies available and Buyer shall not be entitled to receive any incidental or consequential damages. Buyer waives the benefit of any rule that disclaimer of warranty shall be construed against McElroy and agrees that such disclaimers herein shall be construed liberally in favor of McElroy.

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