



*Delivering
Natural Gas
Innovation...*



**TOOLING & DISTRIBUTION
PRODUCTS CATALOG**

M6

WHAT'S NEW...



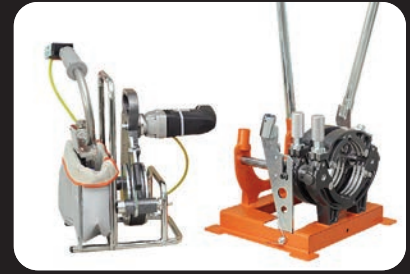
**PERC FREEDOM BATTERY
ELECTROFUSION PROCESSOR**

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FUSION MACHINE**

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*Reach out to your
Mulcare Sales
Person for a
demonstration of
these innovative
new products!*



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Plastic Pipe Joining

*Mulcare offers everything you need
for all types of plastic pipe joining.*

PHOENIX AC POWERED ELECTROFUSION PROCESSOR

PHOENIX FREEDOM BATTERY OPERATED ELECTROFUSION PROCESSORS

BUTT FUSION EQUIPMENT

RITESCRAPE ELECTROFUSION PE PIPE SCRAPERS

ELECTROFUSION MEASUREMENT GAUGES

ALIGNRITE ELECTROFUSION ALIGNMENT CLAMPS

CHAMFER TOOLS

MECHANICAL JOINING

ALCOHOL WIPES

E-Z PROBE PYROMETER





PERC Phoenix Electrofusion Processors are universal barcode processors that can identify and fuse fittings from any electrofusion fitting manufacturer.

All processors come with these industry leading features:

- Longer 17' Output Cables
- Wide Array Barcode Scanner with GPS Option
- Unique High Visibility/Low Temp Displays
- Center Balanced Watertight Enclosure with Easy Carry Handle
- USB or Bluetooth Connectivity
- Resistor ID Tip Option
- Calibration Lockout Capability & Operator Traceability Functions
- Battery Charge Life Display & Fitting Capacity Calculation
- Field Calibration with AUTOCAL®
- CALABUNGA C³ Calibration Control Center Compatible
- Made in the USA



A donation will be made to Folds of Honor for every Freedom Processor sold



Ask your representative about our calibration and repair services

Call now to place an order
973-335-4800

MULCARE





PERC PHOENIX ELECTROFUSION PROCESSOR SPECIFICATIONS

SPECIFICATION	AC	FREEDOM	FREEDOM Lt
Universal	YES		
Operating Modes	Barcode, Manual & Resistor ID		
Size	20.625" x 16.875" x 8.125"	20.5" x 11.5" X 8"	19.125" x 15.5" X 7.5"
Weight	48 lbs	42 lbs	21 lbs
Output Cable Length	17 feet	17 feet	17 feet
Maximum Fitting Size	Any Fitting	12" Couplings	2" Couplings
Power Source	AC / Generator / Inverter	32 Ah Lithium Ion Battery	5 Ah Lithium Ion Battery
Supply Voltage	97 VAC - 150 VAC	120 VAC for charging only	120 VAC for charging only
Recharging Time	N/A	3.5 hours	1.5 hours
Supply Frequency	47 Hz - 70 Hz	60 Hz for charging only	60 Hz for charging only
Supply Waveform	Sine Wave or Square Wave	Sine Wave for charging only	Sine Wave for charging only
Output Voltage	8 - 48 volts +/- 2%		
Operating Temperature	0° F - 120° F (optionally 0° F - 140° F)		
High Visibility Display	60 Lux* (33% greater)		
Fusion Storage	5000+ Fusions		
Fitting Adapters Included	4.0mm / 4.7mm / Resistor ID		
Environmental Protection	IP54 Splash Proof		
Download Port / Connectivity	USB / Bluetooth		
Interface Compatibility	ControlPoint / EF Utilities		
Calibration Interval	1, 2 or 3 year (customer choice)		
Warranty	1 Year Standard (optional extended warranty)		

*Lux – A unit of measure for illuminance intensity which is a measure of how much luminance is spread over a given area

SMART SCANNER

- Scans barcodes with or without GPS capability.

Model	Part #
SmartScanner	306519
SmartScanner GPS	306520



Ask your representative about our calibration and repair services





REPLACEMENT TIPS

- Screw in style for PERC Phoenix Processor.
- Older styles available. Please Call.

Size	Fittings*	Part #
4.0 mm (White)	Nupi Elofit, Innogaz, Friatec	306698
4.7 mm (Black)	Central, MT Deason	306699
4.7 mm (Black)	Central (Resistor ID)	306701
—	Wrench	301506
—	Marinco Adapter	301787

Above is a guide only - Make sure fitting adaptors are a snug fit into fitting listed



UNIVERSAL EF FITTING ADAPTER

- Universal adapter for 4.0mm and 4.7mm electrofusion fittings.
- Available with Resistor ID.

Model	Part #
Set of 2 universal adapters	306782



RITMO DELTA 160M MANUAL BUTT FUSION MACHINE

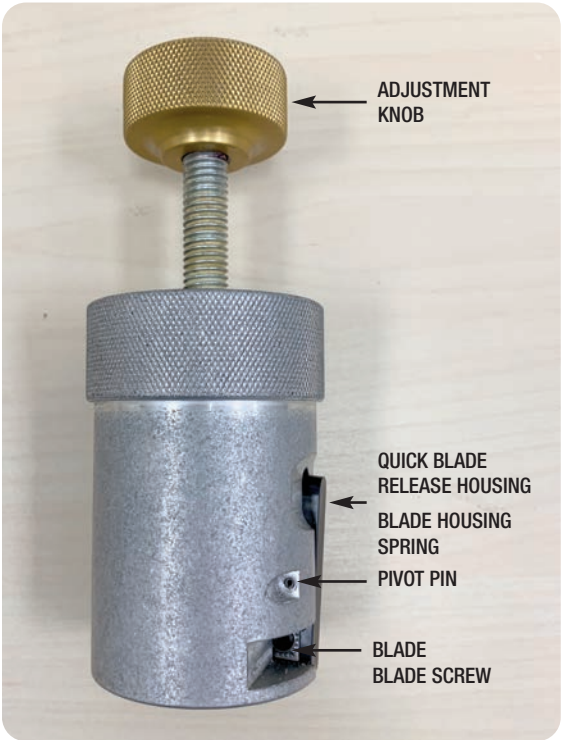
- Self-centering and precise jaws/clamps with fast insert system for sizes up to 4" IPS.
- Twin blade electric milling cutter with a safety micro-switch.
- Locking device helps to keep constant pressure during heat soak and fusion/cooling.
- Extractable heating plate with "Digital Dragon" the high precision electronic thermoregulator ($\pm 1^\circ$ C accuracy) with digital display and regulating buttons.
- Rigid fiberglass heating plate bag.

Please contact us for help in ordering.





NEW
quick blade
release lever and tapered
mandrel



RITESCRAPER™ TUBING SCRAPERS V2

- Machined billet aluminum construction
- Floating 4-sided blade for consistent shaving depth even on coil or ovaled pipe
- Ideal for pipe prep on couplings and tees.
- 1/2" CTS through 2" IPS
- Tapered Mandrel for different wall thickness for same size tubing.

Model	Tubing Size	Part #
RITESCRAPER Tubing Scraper V2	1/2" CTS	308378
	3/4" IPS	308379
	1" CTS	308380
	1" IPS	308381
	1-1/4" CTS	308382
	1-1/4" IPS	308384
	2" IPS	308385

REPLACEMENT PARTS FOR ALL SIZES

Adjustment Knob	Blade	Blade Screw
304179	303653	303958

REPLACEMENT PARTS PER TOOL

Blade Housing Spring (for 1/2" CTS - 1-1/4" IPS)	Quick Blade Release Housing (for 1/2" CTS - 1-1/4" IPS)	Blade Housing Pivot Pin (for 1/2" CTS - 1-1/4" IPS)	Blade Housing (for 2")	Blade Housing Bolt (for 2")
310543	310544	310545	310529	310530





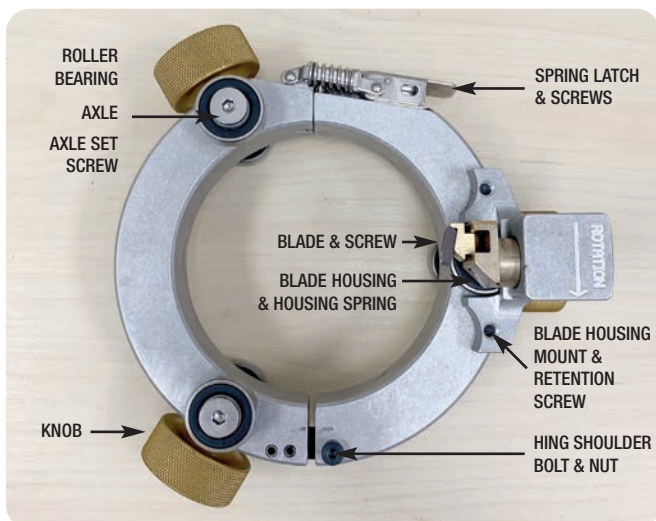
NEW
design with
wider blade and
stronger hinge
point

RITESCRAPE™ SINGLE SIZE ROTARY SCRAPERS V3

- Machined billet aluminum construction
- Floating blade for consistent shaving depth even on coil or oveled pipe
- Same parts across all sizes
- Smaller profile for use in tight work areas
- 1-1/4" IPS through 12" main sizes

Model	Pipe Size	Part #
RITESCRAPE Rotary Scraper V3 (Includes Bag)	1-1/4" IPS	308885
	2" IPS	308817
	3" IPS	308886
	4" IPS	308818
	6" IPS	308819
	8" IPS	308887
	12" IPS	308888

REPLACEMENT PARTS

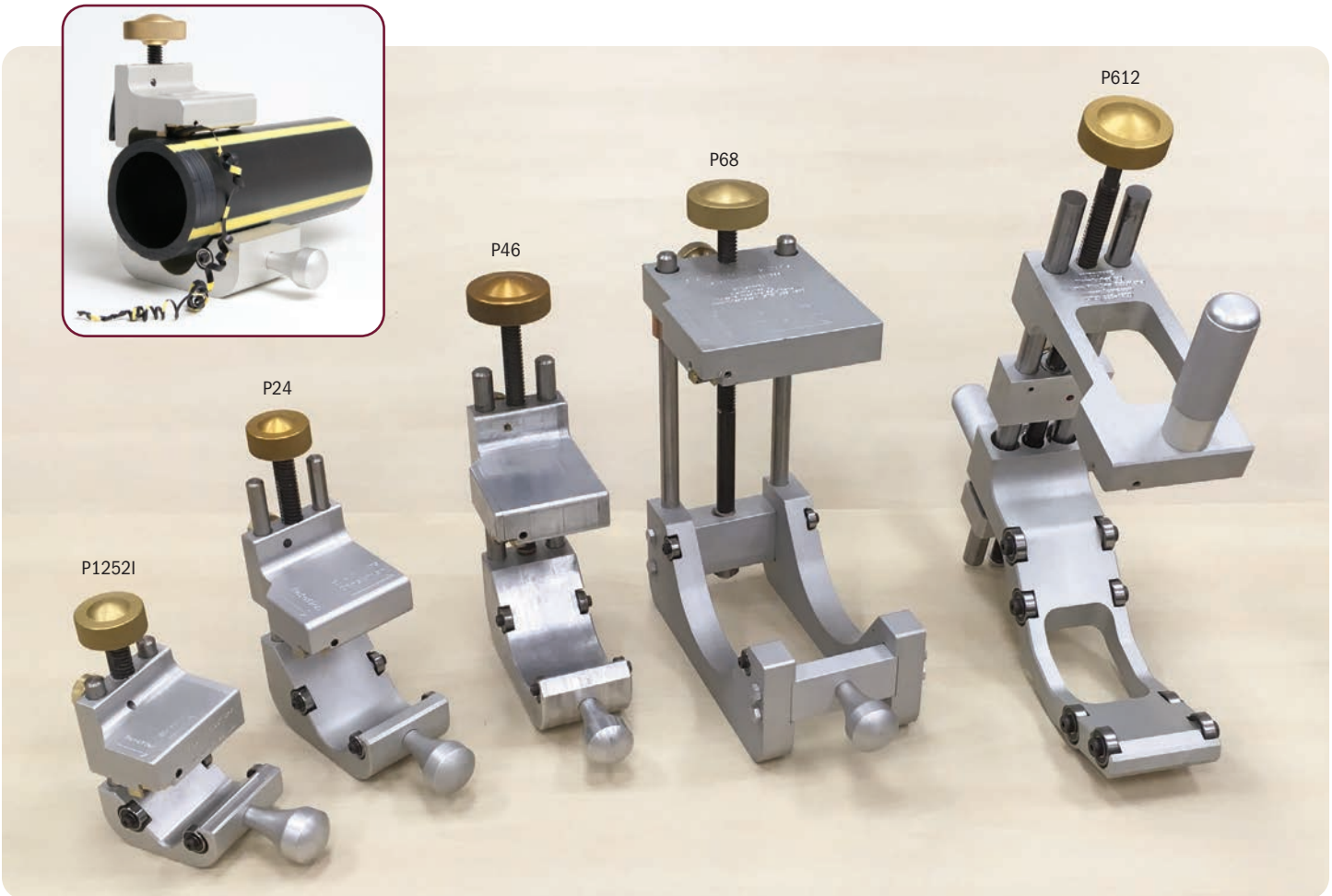


Model	Part #
Insert Stiffener for 1-1/4" & 2" Pipe	303599

Replacement Parts For All Size Scrapers	Part #
Blade (Single Edge)	308854
Blade Housing	308880
Blade Housing Mount	308874
Blade Housing Retention Screw	308883
Blade Housing Spring	304585
Hinge Shoulder Bolt & Nut	308912
Top Roller Bearing, Axle, Set Screw	Please Call
(2) Bottom Roller Bearings, Axles & Set Screws per tool size	Please Call
(3) Bottom Roller Bearings, Axles & Set Screws for 1-1/4" only	Please Call
Small Padded Bag (for 2" & 4")	301961
Large Padded Bag (for 6" & 8")	301962
X-Large Padded Bag (for 12")	301956

Replacement Parts For Previous Models	Part #
Blade (4-sided)	303653
Blade Screw	303958





RITESCRAPE™ MULTI-SIZE SCRAPERS

- Machined billet aluminum construction
- Floating 4-sided blade for consistent shaving depth even on coil or oveled pipe
- Each tool handles multiple pipe sizes.
- 1-1/4" IPS through 12" main sizes available.

Model	Pipe Size	Part #
RITESCRAPE Multi-Size Scraper	1-1/4" – 2" IPS	307206
	2" – 4" IPS	307207
	4" – 6" IPS	309588
	6" – 8" IPS	303589
	6" – 12" IPS	310415
Carrying Case for 2" – 4" and 6" – 8" IPS		304215

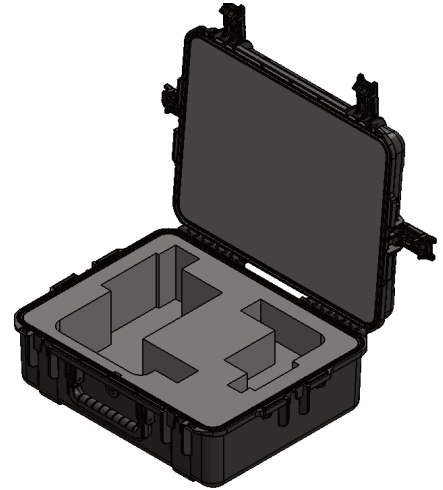
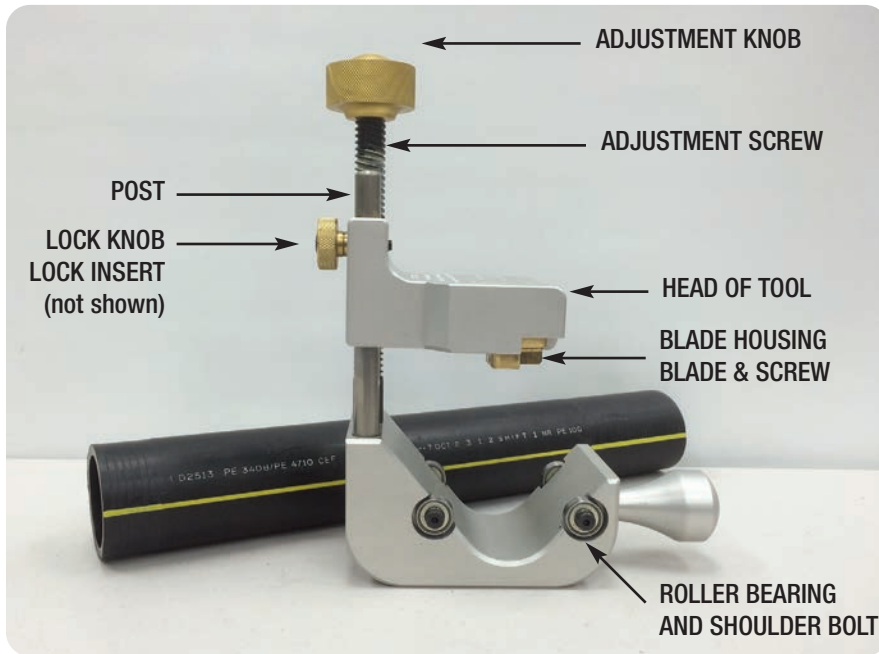
RITESCRAPE™ MULTI-SIZE SCRAPERS REPLACEMENT PARTS

Tool	Adjustment Knob	Adjustment Screw	Lock Knob	Lock Insert	Housing	Blade	Housing Spring	Blade Screw	Roller Bearing	Post	Shoulder Bolt
1-1/4" – 2" IPS	304179	309572	303964	304178	303957	303653	303959	303958	303961	310105	303962
2" – 4" IPS		310104								304114	
4" – 6" IPS		304416								310146	
6" – 8" IPS		303841								310075	
6" – 12" IPS	310106	310269	303843	303842				304115	N/A	304116	





RITEscape™ MULTI-SIZE SCRAPERS REPLACEMENT PARTS



Carrying Case for
2" - 4" and 6" - 8" IPS

RIBBON READER ELECTROFUSION MEASURING GAUGE

- Stainless-Steel tool designed to measure the thickness of PE ribbon.
- Precisely slotted at measurements of .005"-.019" (odd numbers only).
- Size of a credit card to fit in a wallet.

Product	Size Range	Part #
Ribbon Reader	.005" - .019" (odd #'s only)	310979



FUSEMASTER ELECTROFUSION MEASURING GAUGE

- Meets all standards requirements.
- Peel/ribbon thickness gauge, gouge, gap & out of roundness indicators, and pipe wall thickness chart - all in one tool.
- Pipe sizes from 1" to 12".

Product	Size Range	Part #
FM16-19	1" - 6" Pipe	305500
FM212-19	2" - 12" Pipe	305499

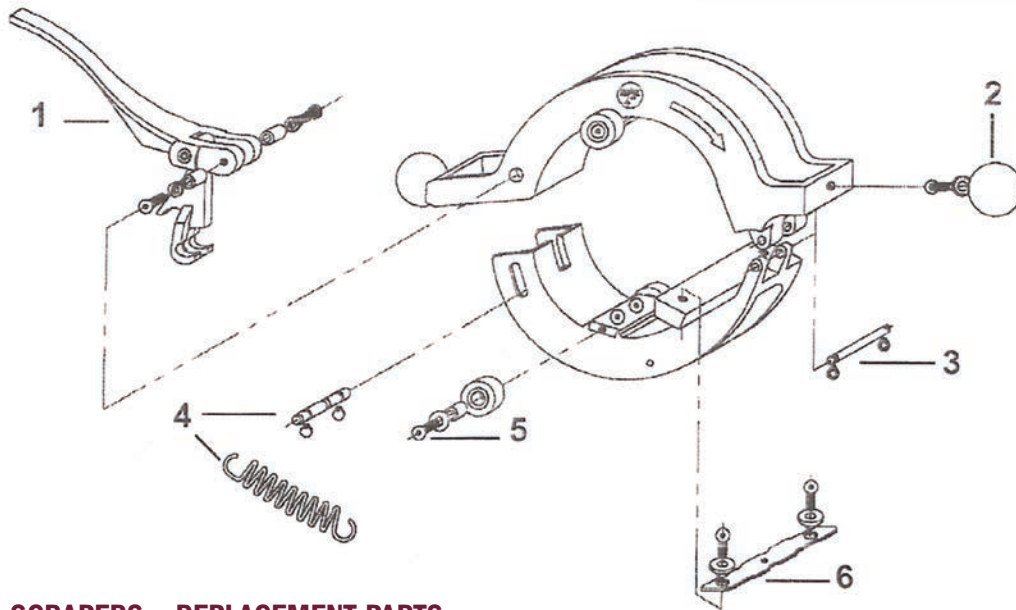




OLD STYLE ELECTROFUSION SCRAPERS

• Rotary Scrapers

Model	Tubing/Pipe Size	Part #
Old Style Rotary Scraper	1-1/4" IPS	303613
	2" IPS	303547
	3" IPS	303606
	4" IPS	303587
	6" IPS	309881
	8" IPS	303731
Insert Stiffener	1-1/4 - 2" IPS	303599



ELECTROFUSION SCRAPERS - REPLACEMENT PARTS

Ref. No	Description	Pipe Size	Part #
1	Latch Assembly Kit	1-1/4" IPS & 2" IPS	303629
		3" IPS & 4" IPS	303734
		6" IPS & 8" IPS	303615
2	Knob Assembly Kit	1-1/4" IPS - 2" IPS	310615
		3" IPS - 8" IPS	304485
3	Main Hinge Kit	1-1/4" IPS & 4" IPS	308974
		6" IPS & 8" IPS	308975
4	Spring Kit	1-1/4" IPS & 2" IPS	302903
		3" IPS & 8" IPS	303565

Ref. No	Description	Pipe Size	Part #
5	Wheel Kit	1-1/4" IPS & 2" IPS	303549
		3" IPS & 4" IPS	303544
		6" IPS	303545
		8" IPS	303546
6	Spare Blades-Main Scraper	1-1/4", 2" & 3"	303602
		4"	303563
		6", 8"	303564





SEE PARTS LISTS

RITMO SCRAPER RTC 160

- Working range external: 2" IPS to 6" IPS.
- Mandrel device to cover all working diameters.
- Rotating arm with a blade supported.
- Designed to maintain consistent cutting depth.

Model	Tubing/Pipe Size	Part #
RTC 160	2" - 6" IPS	302064
Replacement Blade	2" - 6" IPS	304000
Carrying Case	For RTC 160	304192



SEE PARTS LISTS

RITMO SCRAPER RTC 315

- Working range external: 3" IPS to 12" IPS.
- Mandrel device to cover all working diameters.
- Rotating arm with a blade supported.
- Designed to maintain consistent cutting depth.

Model	Tubing/Pipe Size	Part #
RTC 315	3" - 12" IPS	302065
Carrying Case	For RTC 315	304192



ELSTER PERFECTION CHAMFER TOOL 2.0

- Provides consistent quality "bevel" to polyethylene pipe required to install Elster Perfection 2.0 Permasert Mechanical Coupling.

Model	Tubing/Pipe Size	Part #
Elster Perfection Chamfer Tool	1/2" CTS	304543
	1/2" IPS	304546
	3/4" CTS	304547
	3/4" IPS	304548
	1" CTS	304544
	1" IPS	304545
	1-1/4" CTS	304549
	1-1/4" IPS	304550
	1-1/2" IPS	304551
	2" IPS	304552





ALIGNRITE™ STANDARD ELECTROFUSION CLAMPS

- High quality billet aluminum construction
- Liners available for multiple size configurations

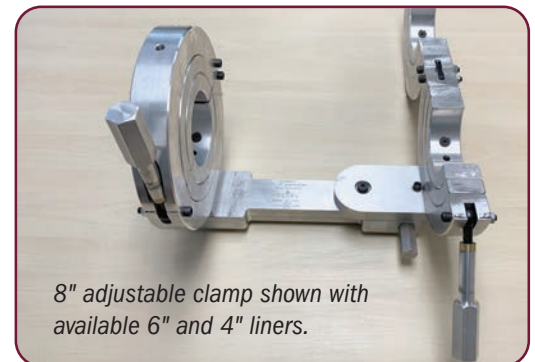
Model	Tubing/Pipe Size	Part #
ALIGNRITE Adjustable Clamp	2" IPS	304506
Liner Set (NEW size now available)	1-1/4" CTS	310487
Liner Set	1-1/4" IPS	304507
Liner Set (NEW size now available)	1" CTS	310488
Liner Set (NEW size now available)	1" IPS	310489
ALIGNRITE Adjustable Clamp	8" IPS	305799
Liner Set	6" IPS	304592
Liner Set (Requires 6" liner set for base)	4" IPS	305800
ALIGNRITE Straight Clamp	4"	304588
Liner Set	3"	304591
Liner Set (Requires 3" liner set for base)	2"	304590
ALIGNRITE Straight Clamp	8"	304589
Liner Set	6"	304592
Liner Set (Requires 6" liner set for base)	4"	304646
ALIGNRITE Hoop Style Straight Clamp	12"	304227



12" hoop style straight clamp



2" adjustable clamp works to align coiled pipe. 1" & 1-1/4" liners available.



8" adjustable clamp shown with available 6" and 4" liners.

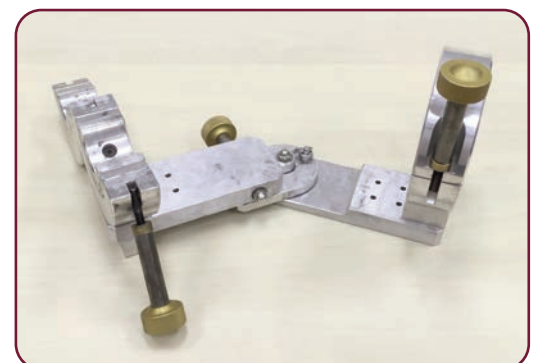


8" straight clamp. 4" & 6" liners available.

ALIGNRITE™ ARTICULATING ELECTROFUSION CLAMP

- Articulating arms with fixed positions at straight, 45° & 90°.
- 2" & 3" liners available.
- Adjustable mechanism for coiled pipe.

Model	Tubing/Pipe Size	Part #
ALIGNRITE Articulating Clamp	4"	305783
Liner Set	3"	304591
Liner Set (Requires 3" liner set for base)	2"	304590

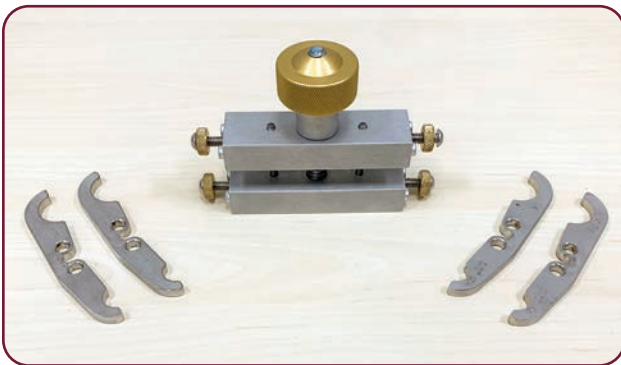




ALIGNRITE™ V-STYLE ELECTROFUSION CLAMP

- One tool for aligning 2"-6" or 6"-12" pipe.
- Quick release ratchet straps used to secure pipe.

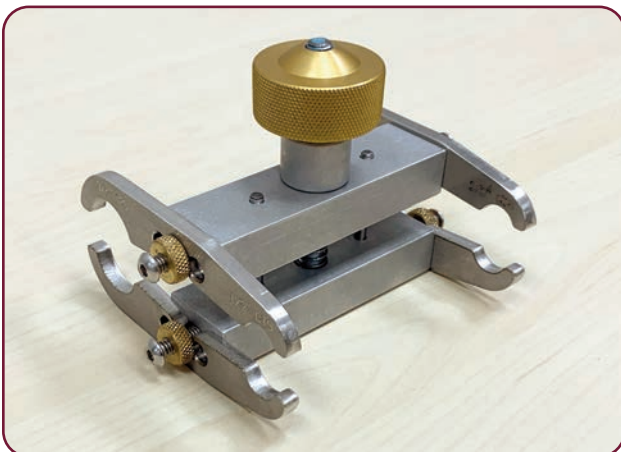
Model	Tubing/Pipe Size	Part #
ALIGNRITE V-Style Clamp	2" – 6"	304638
ALIGNRITE V-Style Clamp	6" – 12"	304195



ALIGNRITE™ MINI ELECTROFUSION CLAMP

- Designed for 1/2" CTS through 1-1/4" IPS Tubing
- Purchased as Core Body only with various sized Dual-Sided Liners
- 3-in-1 design for size-on-size and Reducer Couplings (Choose 2 sizes)

Model	Part #
ALIGNRITE Mini Clamp – Core Body Only	311051



Model	Tubing/Pipe Size	Part #
ALIGNRITE Mini Clamp Dual-sided Liners	3/4" IPS x 1/2" CTS	311052
	1" CTS x 1/2" CTS	311053
	1" CTS x 3/4" IPS	311054
	1" IPS x 1/2" CTS	311055
	1" IPS x 3/4" IPS	311056
	1" IPS x 1" CTS	311057
	1-1/4" IPS x 1/2" CTS	311058
	1-1/4" CTS x 3/4" IPS	311059
	1-1/4" IPS x 3/4" IPS	311060
	1-1/4" CTS x 1" CTS	311061
	1-1/4" CTS x 1" IPS	311062
	1-1/4" IPS x 1" IPS	311063
	1-1/4" IPS x 1" CTS	311064
	1-1/4" IPS x 1-1/4" CTS	311065





ALIGNRITE™ ELECTROFUSION TUBING CLAMPS

- Sizes 1/2" - 2" IPS available
- High-quality Milwaukee vise grips
- Sizes clearly etched on clamps
- Specialty sizes available by request

Model	Tubing/Pipe Size	Part #
ALIGNRITE Vise Grip Clamp	1/2" CTS	304135
	3/4" IPS	304146
	1" CTS	304155
	1" IPS	304156
	1-1/4" CTS	304139
	1-1/4" IPS	304157
	1-1/2" IPS	310551
	2" IPS	304158

Model	Tubing/Pipe Size	Part #
ALIGNRITE 90° Elbow Vise Grip Clamp	1/2" CTS 90°	309631
	1" CTS 90°	306369
	2" CTS 90°	304230
	1-1/4" CTS 90°	306808
	1-1/4" IPS 90°	306822

Model	Tubing/Pipe Size	Part #
ALIGNRITE Vise Grip Clamp	2" IPS x 1" CTS	304160
	1-1/4" IPS x 1" IPS	304153
	1-1/4" IPS x 1/2" CTS	304151
	1-1/4" CTS x 1" IPS	304152
	1-1/4" CTS x 1" CTS	304161
	1" IPS x 1" CTS	304159
	1" CTS x 1/2" CTS	304144
	1" CTS x 3/4" IPS	304142
	1" IPS x 3/4" IPS	304143
	1" CTS x 3/4" CTS	304145
	2" IPS x 1-1/4" IPS	304147
	1/2" IPS x 1/2" CTS	304148
	3/4" IPS x 1/2" IPS	304149
	1-1/2" IPS x 1" CTS	304154
	1-1/4" IPS x 1-1/4" CTS	304150
	1-1/4" IPS x 1" CTS	304136
	1" IPS x 1/2" CTS	304137
	2" IPS x 1" IPS	304138
	3/4" IPS x 3/4" CTS	304140
	3/4" IPS x 1/2" CTS	304141
	1-1/2" CTS x 1" IPS	305587
	2" IPS x 1-1/2" IPS	307730
	1-1/2" IPS x 1-1/4" IPS	307731





Nutcracker



V-Tool



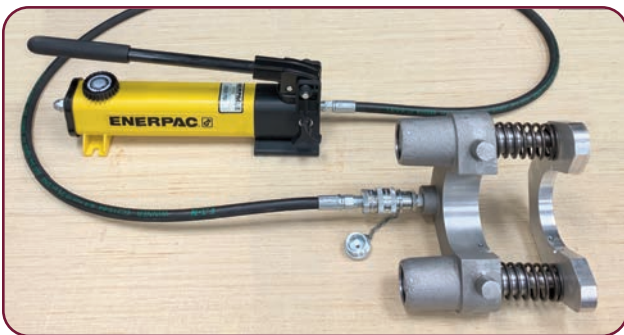
Adapter Jaws

JM EAGLE METFIT® INSTALLATION TOOL

- Effectively joins MetFit brand fittings.
- Nutcracker - dedicated 1/2" CTS tool.
- V-Tool - 1/2" CTS to 1-1/4" CTS with proper jaws.

Model	Tubing/Pipe Size	Part #
Nutcracker	1/2" CTS	304989
V-Tool	1/2" CTS - 1-1/4" CTS	304889
Adapter Jaws	1/2" CTS	302399
Adapter Jaws	1/2" IPS - 3/4" CTS	302400
Adapter Jaws	3/4" IPS	302401
Adapter Jaws	1" CTS	302402
Adapter Jaws	1" IPS - 1-1/4" CTS	302403
Replacement Pins	Set of 2	302406

JM EAGLE METFIT® SERIES 200 HYDRAULIC SYSTEM



Model	Tubing/Pipe Size	Part #
Series 200 Tool (no pump)	Includes 2" liners	305229
Series 200 System	Includes tool, pump, hose, 2" IPS liners only	303821
Series 200 System	Includes tool, pump, hose, 1-1/4" IPS and 2" IPS liners	303279
Adapter Jaws	2" IPS	302405
Adapter Jaws	1-1/4" IPS	302404
Adapter Jaws	1-1/2" IPS	303866
Relief Valve	For Series 200	303805
Hydraulic Pump	Dual Stage	303335
Hydraulic Hose	For Series 200	304597
Hydraulic Pump Oil	For Series 200	304214



Ask your representative about our tool repair services



LYALL LYCOFIT® QUICK RATCHET PRESS

- **Quick Ratchet Press (QRP-125)** – lightweight, durable, single ratchet field assembly tools that install all LYCOFIT® couplings from 1/2" CTS through 1-1/4" CTS.
- **Dual Quick Ratchet Press (QRP-200)** – Designed for manual installations, the dual ratchet design makes it simple to install on medium to large sized piping systems. Installs all LYCOFIT® couplings from 1/2" CTS through 2" IPS.

Model	Tubing/Pipe Size	Part #
QRP-125*	1/2" CTS – 1-1/4" CTS	302907
QRP-200*	1/2" CTS – 2" IPS	302908

*Ratchets not included



QRP-125



QRP-200

LYALL LYCO® HYDRAULIC PRESS

- **Lycy Hydraulic Press (LHP-200)** – The Lyco Hydraulic Press (LHP -200) is used for joining 1-1/4" IPS, 1-1/2" IPS, and 2" IPS sizes of medium or high density polyethylene gas pipe, utilizing LYCOFIT® Mechanical Fittings. This hydraulic tool is capable of installing standard couplings, end-caps, 90° elbows, 3-way tees, repair couplings, and many combinations of reducing fittings.

Model	Description	Part #
LHP-200-KIT-01	Hydraulic Press w/ P-142 Hand Pump, Hose, Clamps, and Carrying Case	304127
AHP200	Enerpac P-142 Hand Pump with fittings for LHP200	305912



LHP-200



AHP-142





ESSENTRA® ALCOHOL WIPES

- Pre-saturated wipes.
- Free of additives.
- Very low levels of sodium and other ions.
- Class 100/10 compatible wipe.
- Resealable container reduces contaminant exposure.

Model	Quantity / Size	Part #
Packets (box)	60 (6" x 8.5" sheet)	304721
Canister	100 (6" x 8.5" sheet)	304722



EDL E-Z PROBE COMPACT PYROMETER

- Compact, durable pyrometer that can be calibrated.
- Input jacks at top & bottom give operator complete versatility.
- Magnetic backing for hands-free use.
- Factory calibration available.

Model	Description	Part #
EZK-C Kit	Includes EZK-C, Straight Surface Sensor & Case	306920
EZK-C Kit (Calibrated)	Includes EZK-C, Straight Surface Sensor & Case	306919
E-Z Probe EZK-C	-30° - 1800° F	303396
Surface Sensor	Straight	303427
Hard Carrying Case	With Foam Insert	306862



Plastic Pipe Squeeze & Cutting Tools

Our inside and outside sales representatives have the knowledge and experience to make sure you have the right tool for the right job.

SQUEEZE-OFF TOOLS

GROUNDING RODS

TOPSIDE CLAMPS

TOP REACH CLAMPS

SHEARS

CUTTERS





MUSTANG GLS 26

- Top-side operation for keyhole applications.
- Mid-range squeeze tool.
- Direct dial squeeze control.
- Heavy duty frame.
- Includes grounding rod.

Model	Tubing/Pipe Size	Part #
GLS 26	1/2" CTS - 2" IPS	304032



MUSTANG DBS 10A

- Service size squeeze tool.
- Single size specific.
- Open frame design.

Model	Tubing/Pipe Size	Part #
DBS 10A	1/2" CTS - 1" IPS	Please call
Customer Must Specify One Pipe Size and SDR Per Unit		



MUSTANG DBS 20C

- Mid-range squeeze tool.
- Accommodates two pipe sizes.
- Heavy duty frame.

Model	Tubing/Pipe Size	Part #
DBS 20C	1/2" CTS - 2" IPS	Please call
Customer Must Specify Two Pipe Sizes and SDR's Per Unit		



Ask your representative about our tool repair services



MUSTANG DBS 24C

- Mid-range squeeze tool.
- Accommodates four pipe sizes.
- Heavy duty frame.

Model	Tubing/Pipe Size	Part #
DBS 24C	1/2" CTS - 2" IPS	Please call
Customer Must Specify Four Pipe Sizes and SDR's Per Unit		



MUSTANG DBS 44F

- Mid-range squeeze tool.
- Accommodates four pipe sizes.
- Heavy duty frame.

Model	Tubing/Pipe Size	Part #
DBS 44F	1" - 4" IPS	Please Call
Customer Must Specify Four Pipe Sizes and SDR's Per Unit		



MUSTANG DBG 60

- Mid-duty squeeze tool.
- Accommodates two pipe sizes.
- Heavy-duty frame.
- Includes SC-60 saddle clamps. (see page 24)

Model	Tubing/Pipe Size	Part #
DBG 60	3" - 6" IPS	Please Call
Customer Must Specify Two Pipe Sizes and SDR's Per Unit		



Ask your representative about our tool repair services





MUSTANG HYDRAULIC DBM 60

- Mid-duty squeeze tool.
- Accommodates two pipe sizes.
- Heavy-duty frame.
- Includes 20A Pump and SC-60 saddle clamps.

Model	Tubing/Pipe Size	Part #
DBM 60	3" – 6" IPS	Please Call
Customer Must Specify Two Pipe Sizes and SDR's Per Unit		



MUSTANG HYDRAULIC DBML 80

- Mid-duty squeeze tool.
- Accommodates two pipe sizes.
- Heavy-duty frame.
- Includes 20A Pump and SC-80 saddle clamps.

Model	Tubing/Pipe Size	Part #
DBML 80	3" – 8" IPS	Please Call
Customer Must Specify Two Pipe Sizes and SDR's Per Unit		



MUSTANG HYDRAULIC DBH 1200B

- Heavy-duty squeeze tool.
- Accommodates four pipe sizes.
- Heavy-duty frame.
- Includes 25A Pump and SC-1200 saddle clamps.

Model	Tubing/Pipe Size	Part #
DBH 1200B	6" – 12" IPS	Please Call
Customer Must Specify Four Pipe Sizes and SDR's Per Unit		



Ask your representative about our tool repair services

Call now to place an order
973-335-4800



MULCARE



MUSTANG GROUNDING ROD

- Attaches to upper jaw grease fitting.
- Insulated braided copper cable and cast copper spike.

Model	Size	Part #
SEG 30	5' Cable, 12" Spike	304033

Grounding rods are recommended for use during all squeeze operations.



MUSTANG SADDLE CLAMPS

- Use with large pipe squeeze tools when additional compressive force is needed for difficult to squeeze PE pipe.
- SC-60 & SC-80 available in yellow (hydraulic) or blue (manual).

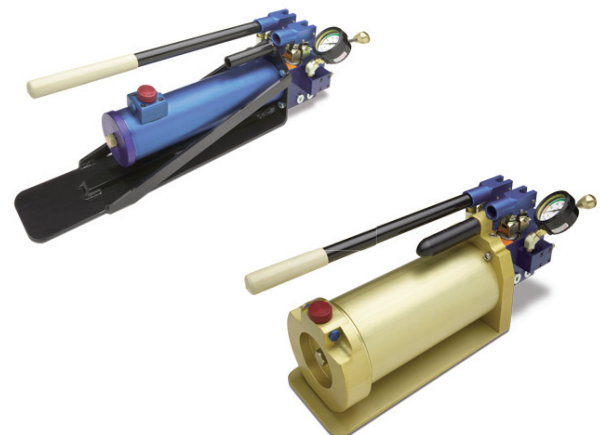
Model	Tubing/Pipe Size	Part #
SC-40/44	Fits Series 40/44 Squeeze tools	309096
SC-60	Fits Series 60 Squeeze tools	Please Call
SC-80	Fits Series 80 Squeeze tools (Yellow - Hydraulic)	304188
SC-80	Fits Series 80 Squeeze tools (Blue - Manual)	304189



MUSTANG HYDRAULIC PUMPS

- 2 stage design for rapid movement of upper jaw.
- High capacity oil reservoir and built-in pressure relief valve.

Model	For use with	Part #
25A (with hose)	H Series Tools	310620
Model 30	DBM 60 & DBML 80	307831
Hydraulic Oil	Use with all hydraulic tools	304214



Ask your representative about our tool repair services

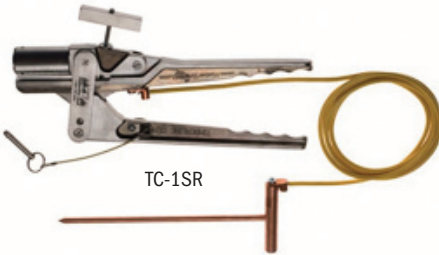




Rotating sleeve gives you 3 sizes in one tool.



TC-1



TC-1SR

Grounding rod and locking pin sold separately

TC-1 / TC-1SR / TC-2 TOPSIDE CLAMPS

- Rotating sleeve adjusts for multiple pipe sizes.
- Extension handles available. Custom lengths available.
- Customer must select multiple pipe sizes per unit.

Model/Part	Tubing/Pipe Size	Part #
TC-1	1/2" CTS - 1-1/4" CTS	Please Call
TC-1SR (slow release)	1/2" CTS - 1-1/4" CTS	Please Call
TC-2	1/2" CTS - 2" IPS	Please Call
Grounding rod	With solid copper wire	303297
Locking Pin	NA	302910
Case	TC-1 + Grounding Rod	303941



TR270



TR650



TR170 TOP REACH CLAMP

Top-down remote squeeze-off solution for 1/2" - 1-1/4" CTS.

- Length: 6.5' / Width: 6.0" / Weight: 23.0 lb.
- Standard Equipment:
 - Grounding rod with 10' copper cable.
- Customer must select 3 pipe sizes per unit.

TR270 TOP REACH CLAMP

Top-down remote squeeze-off solution for 1/2" CTS - 2" IPS.

- Length: 6.5' / Width: 10.5" / Weight: 19.0 lb.
- Standard Equipment:
 - 4 slap-on jaws specific to customer pipe sizes.
 - Hard carrying case.
 - Grounding rod with 10' copper cable.
- Customer must select 4 pipe sizes per unit.

TR650 TOP REACH CLAMP

Top-down remote squeeze-off solution for 3" - 6" IPS.

- Length: 6.5' / Width: 17.8" / Weight: 116 lbs.
- Standard Equipment:
 - Hard carrying case.
 - Grounding rod with 10' copper cable.
- Customer must select 2 pipe sizes per unit.

Model	Tubing/Pipe Size	Part #
TR170	1/2" CTS - 1-1/4" CTS	Please Call
TR270	1/2" CTS - 2" IPS	Please Call
TR650	3" IPS - 6" IPS	Please Call



REED RATCHET SHEARS

Model	Tubing/Pipe Size	Part #
RS1	Cuts through 1-1/4" CTS	302374
RS1PLT	RS1 with Corrosion Resistant Blade	302376
RS2	Cuts through 2"	302377
RS7290	Cuts 2" PE Pipe and PVC	303160

Model	Description	Part #
RS1B	RS1 Blade	302375
RS1BPLT	RS1PLT Plated Blade	309626
RS2B	RS2 Blade	302378
RS7290B	RS7290 Blade (fits Wheeler 7290)	306797
All	PEGRM Static Grounding Device	307248



REED IN-LINE ROTARY CUTTER

- Creates no dust and chips fall where they are cut.
- Only 6"-8" clearance needed to turn PLAS around pipe.

Model	Tubing/Pipe Size	Part #
PLAS1PE	Cuts through 6" - 12" PE Pipe	304095
PLASPEB	Replacement Blade	304108



REED GUILLOTINE CUTTERS

Model	Tubing/Pipe Size	Part #
HPC4+	2" - 4"	307954
HPC8+	3" - 8"	306396
HPC12	4" - 12"	302370

Model	Description	Part #
HPC4B	HPC4 / HPC4+ Blade	302372
HPC8B	HPC8 / HPC8+ Blade	302373
HPC12B	HPC12 Blade	302543



NEW
2"-4" & 3"-8"
all aluminum
body. 22%
lighter!



SEE PARTS LISTS



Ask your representative about our tool repair services





*PERC Electrofusion Processors
being assembled here in the U.S.*

Located on Page 5

Gas Main Tapping

Safe, gas-free tapping of plastic main is essential in today's gas industry. Mulcare not only offers the tools, but can also provide training and field support to make sure your crew is comfortable with the latest technology.

**NUPI HOT TAP SYSTEM
SKINNER DRILLING DEVICES**





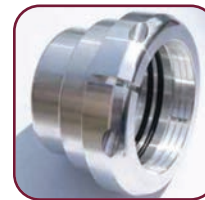
Hot Tap System



NUPI CLOSE QUARTERS HOT TAP SYSTEM

- Effectively taps 2" - 8" laterals on PE main up to 12".
- Same assembly can be used for camera fittings.
- Gas free to 120 psi (no-blow).
- Fastens directly to valve, no extra fusions needed.
- Ultra compact design.

Model	Pipe Size	Part #
Hot Tap System	2" - 12" Mains	302028



Model / Size	Part #
Bell Adapter - 2"	304072
Bell Adapter - 3"	310625
Bell Adapter - 4"	304073
Bell Adapter - 6"	304074
Bell Adapter - 8"	304358



Model / Size	Part #
Cutter - 2"	304075
Cutter - 3"	304359
Cutter - 4"	304076
Cutter - 6"	304077
Cutter - 8"	304360



Branch Saddle Assembly Set-up



Camera Fitting Set-up



Camera Fitting Kit
302032



Pressure Gauge
301938



SKINNER DRILLING DEVICES (NOT FOR USE ON LIVE GAS TAPS)

METHOD A – STREET TEE IN SERVICE SADDLE

Top Thread of Tee (inches)	3/4		1		1-1/4		1-1/2		2	
Drill Device No.	4		7		7		7		7	
Adapter No.	1		2		3		4		5	
Stock cutter numbers and diameters that can be used under this method	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)
	1	5/8	22	7/8	7	1	19	1-3/16	21	1-7/8
	2	1/2	11	3/4	22	7/8	7	1	20	1-3/8
	3	3/8	2	1/2	2	1/2	11	3/4	19	1-1/5
	4	1/4	4	1/4	4	1/4	2	1/2	7	1



SKINNER DRILLING DEVICES: METHOD B – SERVICE SADDLE WITHOUT STREET TEE

Top Thread of Tee (inches)	3/4		1		1-1/4		1-1/2		2	
Drill Device No.	4		7		7		7		7	
Adapter No.	14		15		16		23		24	
Stock cutter numbers and diameters that can be used under this method	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)
	11	3/4	7	1	19	1-3/16	20	1-3/8	21	1-7/8
	1	5/8	11	3/4	7	1	19	1-3/16	20	1-3/8
	2	1/2	2	1/2	11	3/4	7	1	19	1-3/16
	4	1/4	4	1/4	2	1/2	11	3/4	7	1



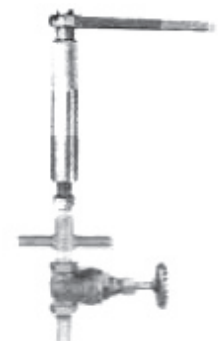
SKINNER DRILLING DEVICES: METHOD C – TEE OR PIPE NIPPLE WELDED TO MAIN

Top Thread of Tee (inches)	3/4		1		1-1/4		1-1/2		2	
Drill Device No.	4		7		7		7		7	
Adapter No.	6		7		8		9		10	
Stock cutter numbers and diameters that can be used under this method	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)
	11	3/4	7	1	19	1-3/16	20	1-3/8	21	1-7/8
	1	5/8	11	3/4	7	1	7	1	19	1-3/16
	2	1/2	2	1/2	11	3/4	11	3/4	7	1
	4	1/4	4	1/4	2	1/2	2	1/2	11	3/4



SKINNER DRILLING DEVICES: METHOD D – VALVE CONNECTED TO MAIN

Top Thread of Tee (inches)	1		1-1/4		1-1/2		2	
Drill Device No.	10		10		10		10	
Adapter No.	27		26		25		22	
Stock cutter numbers and diameters that can be used under this method	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)	No.	Dia. (in.)
	7	1	19	1-3/16	20	1-3/8	21	1-7/8
	11	3/4	7	1	19	1-3/16	20	1-3/8
	2	1/2	11	3/4	7	1	19	1-3/16
	4	1/4	2	1/2	11	3/4	7	1



Please contact us for help in ordering the correct equipment for your application.





An odorization set-up on a live gas main. The main was tapped utilizing the NUPI 8x2 Camera Fitting and NUPI Close Quarters Hot Tap System.

Look for the Nupi Close Quarters Hot Tap System on Page 29

Service Renewal

Reamer kits effectively remove scale, slag, and weld beads from old steel services making the insertion of plastic much safer and easier.

REAMER KIT
CURB VALVE DRILL KIT
NOSE CONES










MULCARE GAS LINE REAMER KIT

- Smart, efficient way to clean a gas line prior to the insertion of polyethylene tubing.
- A powerful drilling and chipping action thoroughly removes any deposits in the steel gas line.
- Kit includes everything needed to thoroughly clean a gas line, including a tool box to hold all the components.
- For heavily obstructed gas lines, we recommend the special spherical “Cherry Burr” cleaning head.






PARTS

(included in each kit)

Existing Pipe Size	Complete Kit						See picture above	
		Qty 1	Qty 1	Qty 1	Qty 3	Qty 12	Qty 1	Qty 1
	Part #	Air Motor	Universal Joint	Single-Pin Head	Cone Cutter	Star Cutter	Wrench	Tool Box
	Part #	Part #	Part #	Part #	Part #	Part #	Part #	Part #
3/4" IPS (19.1mm)	302253	302251	302256	302255	302252	302254	302257	310627
1" IPS (25.4mm)	302259	302258	302261	302260	309651	309652	309653	
1-1/4" IPS (31.8mm)	302264	302262	302267	302266	302263	302265	302268	
1-1/2" IPS (38.1mm)	302270	310626		302272	302269	302271	309654	

ACCESSORIES

(not included)

Existing Pipe Size					
	50 ft Air Hose	Air Line Lubricator	Wilsolube Lubricant	Flexible Holder	Cherry Burr
	Part #	Part #	Part #	Part #	Part #
3/4" IPS (19.1mm)	302243	302247	302250	302273	302274
1" IPS (25.4mm)	302245	302248		309655	309656
1-1/4" IPS (31.8mm)				302275	302276
1-1/2" IPS (38.1mm)	302246	302249		N/A	N/A
2" IPS (50.8mm)				N/A	N/A

MULCARE X-PANDER NOSE CONES

- X-Pander nose cones make plastic insertion smooth and easy.
- Prevents damage to your plastic insert.



Pipe Size	Part #
1/2" IPS	302356
1/2" CTS	302357
3/4" IPS	302358
1" IPS	302359
1" CTS	302360

Pipe Size	Part #
1-1/4" IPS	302361
1-1/4" CTS	303243
1-1/5" IPS	302362
2" IPS	302363

Call now to place an order
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WILSON CURB VALVE DRILL KIT

- Designed for drilling through valves and other obstructions in a gas line so a replacement line can be inserted inside the old line.
- Kit includes hole saws for 3/4", 1", 1-1/4", 1-1/2" and 2" gas lines.
- The Curb Valve Drill Kit includes all the tools and components needed to quickly and efficiently drill through valves and other gas line obstructions.
- Includes a tool box to hold all the components.
- One and two-foot extension rods are easily assembled, enabling the tool to reach over 50 feet into a gas line.



Model	Quantity	Part #
Full Kit	1	302236
Air Motor	1	303989
Hole Saw 3/4"	1	302232
Hole Saw 1-1/4"	1	302233
Hole Saw 1-1/2"	1	302234
Hole Saw 2"	1	306124
Carrying Case	1	310628
Drive Shank 1 ft	1	302230
Drive Shank 2 ft	1	302231
Saw Adapter (1/2 - 20)	2	302241
Saw Adapter (5/8 - 18)	2	302239
Rod Assembly 1 ft	2	302238
Rod Assembly 2 ft	25	302240
Rod Adapter	15	302237
Dead Handle	1	302229
Jacobs Chuck 1/2"	1	310629
Jacobs Chuck Key	1	302235





*Kleiss stop off system being used
on a live main.*

Located on Page 41

A valve maintenance program is critical to maintaining a safe gas distribution system.

Having the right tools for the right job saves time and promotes a safe working environment.

Our wide selection of pipe tools can be set up to tackle almost any job.

VALVE GATE KEYS

VALVE EXTENSIONS

CLEANOUT TOOLS

HYPREGUN

PLUG VALVE SEALANT

SEALANT INJECTION RODS

PIPE WRENCH ASSIST



REED VALVE GATE KEYS

- Compact size.
- Wide choice of attachable tools.
- Several socket configurations.

Model	Length	Part #
Main Valve Key	6' 8"	304045
Main Valve Key Kit	12' 7"	310624

Length represents the key as sold without any extra pieces



KRAVITCH VALVE GATE KEYS

- Various lengths available.
- Offered in different shank materials.
- Several socket configurations.

Model	Size	Part #
Long Eye Operator Gate Key	3' – 6'	Please Call
Fixed Open Gate Valve Socket	1/2" – 2"	Please Call



KRAVITCH CLEANOUT TOOLS

- Various styles and lengths available.
- Remove stones, dirt and debris from curb and valve boxes.

Model	Part #
Valve Spoon	Please Call
Duckbill Cleanout (CT106)	Please Call
Clamshell (Small CT110)	Please Call
Clamshell (Large CT109)	Please Call



FLOWERVE NORDSTROM HYPREGUN

- Compact and efficient design.
- Air operated sealant injection with 15,000 psi gauge.
- Versatile design for servicing small or large valves.
- Motors operate at 100:1 pressure on 100 to 125 psi air.
- Ten foot hose is easily extended into tight spaces.

Model	Size	Part #
Hypregun-Plus 5G	5 Gallon	303622
Hypregun 5Q	5 Quart	302905
Valve Purge	5 Quart	302396
Button Head Coupler	—	303272



FLOWERVE NORDSTROM 400-D HAND GUN

- Versatile hand-held operation.
- Perfect for tight quarters or remote locations.
- Rated at 10,000 to 11,000 psi.
- Dependable performance under all conditions.

Model	Part #
400-D Hand Gun	302387
Case	310116
Valve Purge - Gun Pack	302397
Button Head Coupler	303272



PLUG VALVE SEALANT

Sealant	Size A	Size B	Size C	Size D	Size G	Size J	Size K	Gun Pak	Cartridge	5 Quart	5 Gallon
Quantity	24	24	24	24	24	6	12	6	4	1	1
Diameter	.25	.41	.55	.66	.86	1.47	1.53	—	—	—	—
Length	.88	1.38	2	2.44	3.38	8.75	10	—	—	—	—

Please call to order for your specific application.

SEALANT COMPOSITION

Sealant	167	234	421	555	654	755	950	960	1033
Color	Gray	White	Cream	Brown	Brown	Pink	Cream	Cream	Green
Base Oil	Hydrocarbon	Silicone	Hydrocarbon	Vegetable Oil	Hydrocarbon	Polyglycols	Synthetic	Synthetic	Synthetic

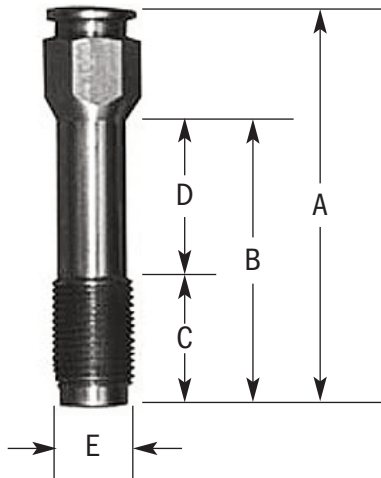




SEALANT INJECTION RODS & FITTINGS

- Sizes 3' – 8'.
- All fittings rated at 10,000 psi or above.
- Available in painted or stainless steel.
- Please call for pricing.

Model	Size	Part #
Button Head Fitting	1/4"	304733
Button Head Fitting	3/8"	304730
Button Head Fitting	1/2"	304731
Button Head Fitting	3/4"	304732
Giant Button Head Fitting	1/4"-18 NPT	304734



FITTING CHART

	A	B	C	D	E
1/4"	2.36"	1.5"	1.25"	.25"	.52"
3/8"	3.06"	2.0"	1.8"	.20"	.65"
1/2"	3.3"	2.7"	2.1"	.60"	.81"
3/4"	4.68"	3.5"	1.7"	1.8"	1"

PIPE WRENCH ASSIST

- Cast Aluminum designed to gradually yield before equipment is over-torqued
- Tool is secured to the wrench by a Safety D-Ring which prevents rotating or detaching
- Available in padded or knurled anti-slip handle

Wrench Size	Padded Part #	Knurled Part #
14"	305724	305725
18"	305197	305726
24"	305198	305257
36"	310621	305727
48"	310622	310623



Call now to place an order
973-335-4800

Flow Stop Off, Bags & Plugs

Mulcare stocks a large array of plugs, bags and stoppers. Our staff is well-versed in making sure you have the right stopper for your application.

Ask about our stop off system for cast iron, steel and plastic for up to 60psi

MCS KLEISS FLOW STOP SYSTEM

WOOD PLUGS

SERVISTOPS

X-PANDER PLUGS

EXPANSION PLUGS

SAFETY MAIN STOPPER BAGS

GOODMAN STOPPERS



MCS KLEISS FLOW STOP SYSTEM

- Lightweight, easy-to-handle and install.
- Designed for all pipe materials – cast iron, steel, polyethylene, and PVC.
- Use with a range of pipe sizes.
- Only one size drilling cutter needed for all pipe sizes.
 - 3" - 8" System – 2" Cutter (Up to 60 psi)
 - 10" - 16" System – 4" Cutter (Up to 60 psi)
 - 18" - 24" System – 6" Cutter (Up to 15 psi)
- Single tap with one tool provides multiple functions.
 - System line pressure monitoring.
 - Downstream pressure monitoring.
 - MDS Stopper inflation and monitoring.
 - Pipeline purging/evacuating and venting.
- Patented MDS Stopper.
- 3X safety factor with a gas tight seal.

Model	Tubing/Pipe Size	Part #
MCS60-38	3" - 8"	Please Call
MCS60-1016	10" - 16"	Please Call
MCS15-1824	18" - 24"	Please Call
Drilling Kit	3" - 8"	Please Call
Drilling Kit	10" - 16"	Please Call
Drilling Kit	18" - 24"	Please Call
Jack System	For MCS60-38	305681
Jack System	For MCS60-1016 & MCS15-1824 (requires Jack Bracket)	305682
Jack Bracket	For MCS60-1016 & MCS15-1824	305683
MCS6038ESPK	Spare Parts Kit	309188



Flow Stopping System



Drilling Kit



Ask your representative about our inspection and preventative maintenance programs

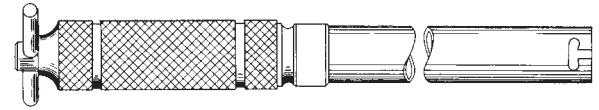
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MULCARE

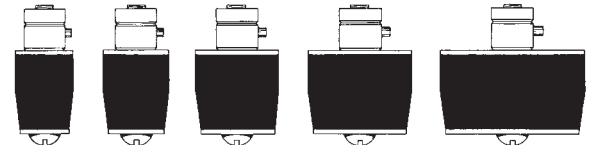


X-PANDER PIPELINE SAFETY PLUGS

- Use to shut off gas flow for testing, service or even to keep dirt out of pipes during installation.
- Plug sizes 3/4" – 2".
- Wrench sizes 7" – 48" long.
- Custom sizes available.
- Can be used over and over.



WRENCH



Model	Length	Part #
X-Pander Wrench	7"	302350
	12"	302351
	18"	302352
	24"	302353
	36"	302354
	48"	302355

Model	Tubing/Pipe Size	Part #
X-Pander Plug	1/2"	302333
	3/4"	302335
	1"	302338
	1-1/4"	302341
	1-1/2"	302344
	2"	302346

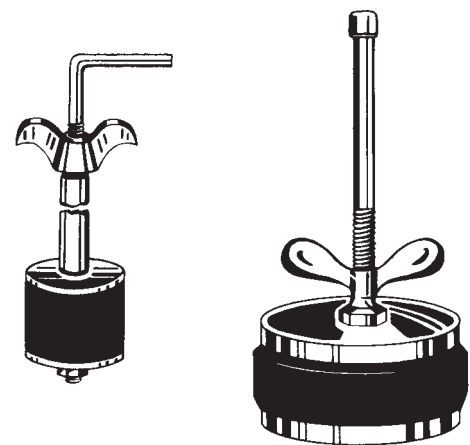
SERVICE WORK EXPANSION PLUGS

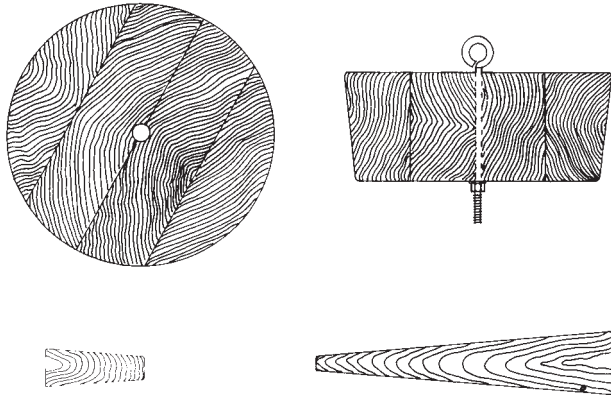
- Can be used for temporary gas shutoff or in a tee during service renewal or installation. 1/2" - 1-1/4" sizes available.

MAIN WORK EXPANSION PLUGS

- Can be used in either bell or spigot end for testing or temporary shut-off. 2" - 6" sizes available.
- 8" standard handle length. 18" and double rubber available by request.
- Overnight plugs.

Model	Tubing/Pipe Size	Part #
Type OA	1/2"	302452
	3/4"	302453
	1"	302455
	1-1/4"	302457
	1-1/2"	302459
Type A	2"	302461
	3"	302464
	4"	302465
	6"	303978

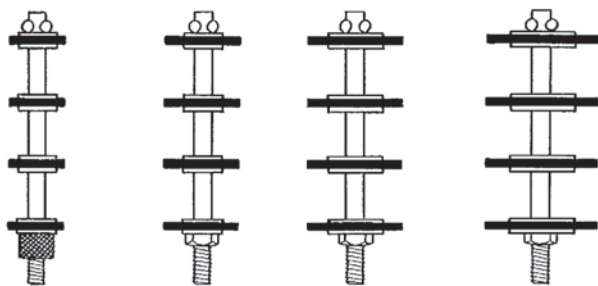




WOOD PLUGS

- Tapered wooden plugs for copper tubing, cast iron, steel and polyethylene pipe.
- 1/2" - 36" available from stock
- Custom sized, designed and fabricated to meet individual specifications.
- Eyebolt package for easy removal available on sizes 8" and up.

Model	Tubing/Pipe Size	Part #
Wood Plug	1/2" - 36"	Please call



SERVISTOPS

- Shut-off gas flow for pressures not exceeding 2-10 psi.
- Push Servistops into pipe with available t-wrench.
- No expansion necessary.

Model	Tubing/Pipe Size	Part #
Servistop	3/4"	302295
	1"	302296
	1-1/4"	302297
	1-1/2"	302298
	2"	302301

Model	Length	Part #
Servistop Wrench	9"	302302
	15"	302303
	18"	302304
	36"	302305
	48"	309857



SAFETY MAIN BAGS TYPE "PS"

- Available sizes 2-3", 4", 6", 8".
- All rubber construction.

Please contact us for help in ordering the correct size for your application.



SAFETY MAIN BAGS TYPE "B"

- Available sizes 2" - 48".
- 6 panel rubber construction.
- Nitrile available by request.

Please contact us for help in ordering the correct size for your application.

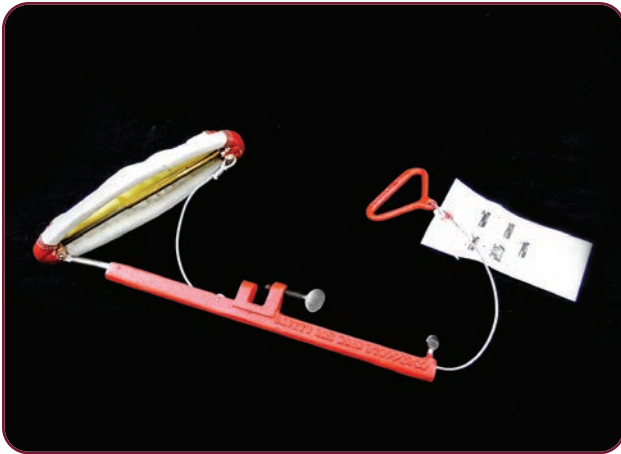


SAFETY MAIN BAGS TYPE "C"

- Available sizes 2" - 48".
- Canvas covered rubber bags.
- Nitrile available by request.
- Great for cast iron and rough surfaces.
- Optional 0-30# pressure gauge (Part # 303614)
- Pump (Part # 302542)

Please contact us for help in ordering the correct size for your application.

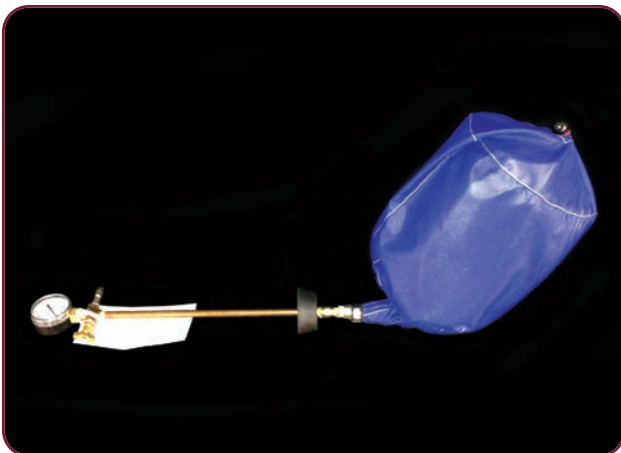




GOODMAN-PEDEN STOPPERS

- Available sizes 2" - 30".
- Spark free brass construction.
- Custom sized for steel and cast iron service.

Please contact us for help in ordering the correct size for your application.



SAFETY DIRECTIONAL GAS BAGS TYPE "D"

- Available sizes 2" - 42".
- Ballistics grade nylon.
- Custom sizes available.
- Straight or 90°.
- Brass directional spine for easy insertion.
- Upstream pressure monitoring available.

Please contact us for help in ordering the correct size for your application.



GARDNER GOODMAN STOPPERS

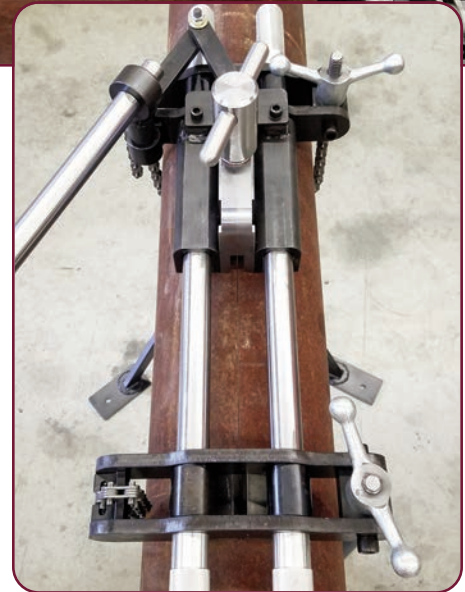
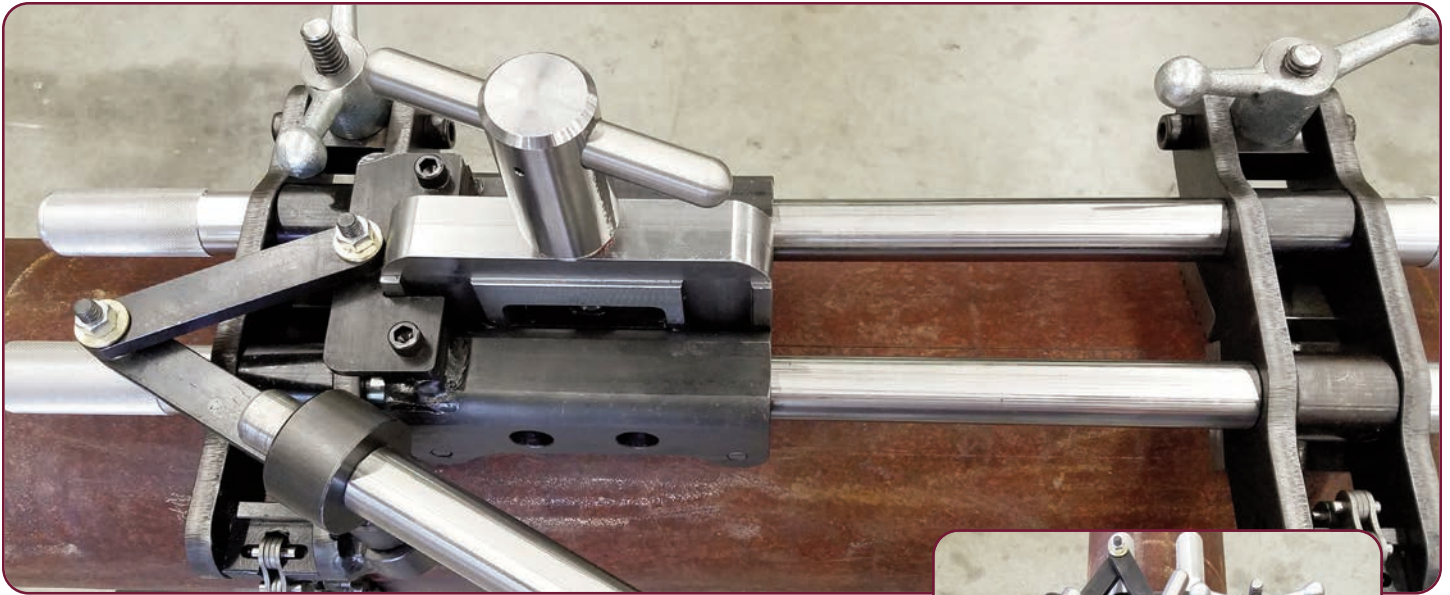
- Available sizes 2" - 30".
- Brass inflator sold separately.

Please contact us for help in ordering the correct size for your application.

Steel & Cast Iron Pipe Cutting, Beveling & Squeezing

*Mulcare stocks many replacement parts
and offers field service and support
for this equipment.*

PAC28 PIPE AXIAL CUTTER
SOIL PIPE CUTTERS
STEEL SQUEEZE TOOL
HINGED CUTTERS
TRI-POD VISES



PAC28 PIPE AXIAL CUTTER

- Make spark-less longitudinal cuts on 2" - 8" steel. or cast iron pipe without damaging PE pipe inside.
- Use a standard four wheel cutter. (see below) to effectively remove a section of casing pipe.
- Weighing less than 75 lbs allows for single man operation.
- Rugged machined steel components and hardened cutter wheels.
- Easily field maintained.

Model	Part #
PAC28	304759
Spare Cutter Wheels (2 per tool required)	304770

REED 4 WHEEL HINGED CUTTERS

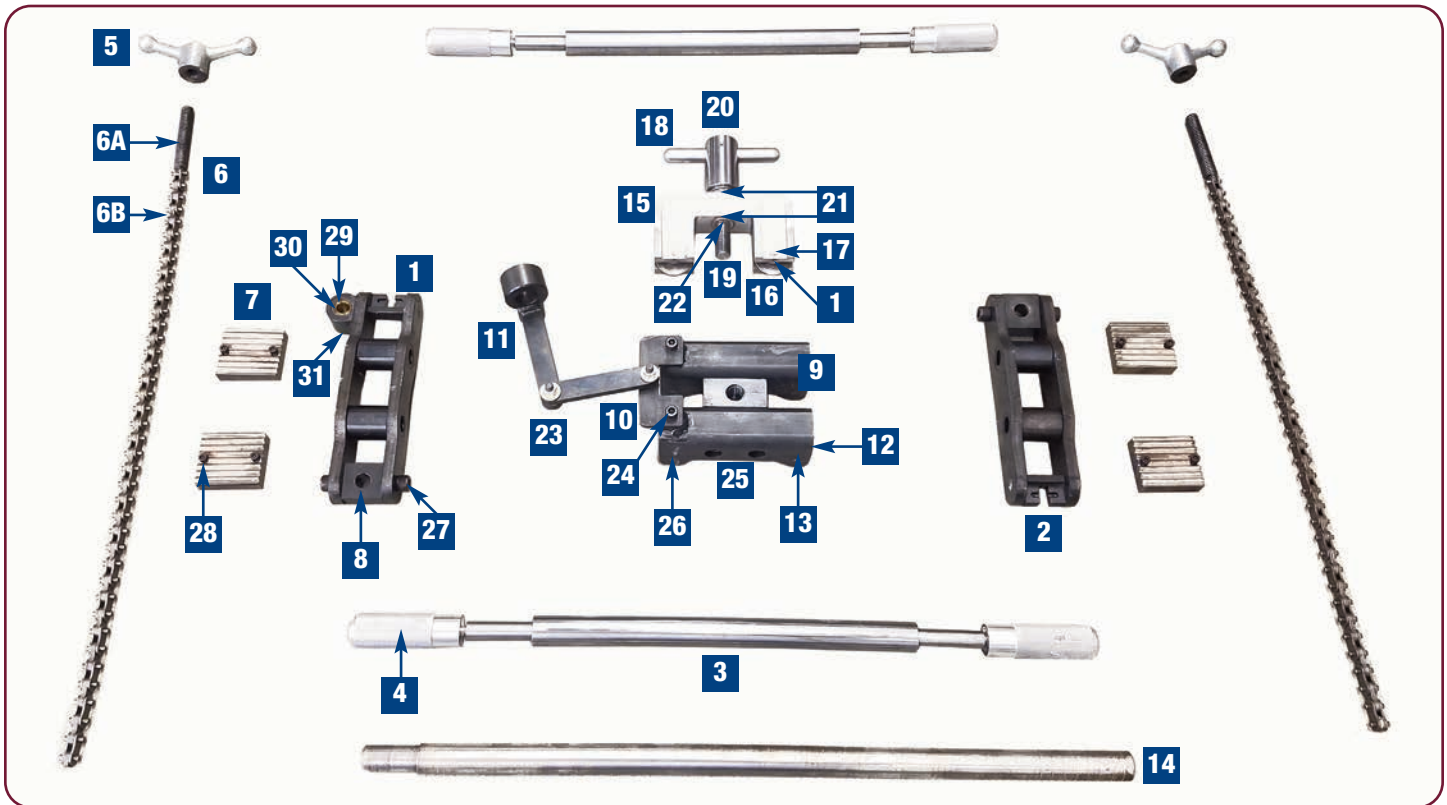
- Requires only 90° - 100° swing range.
- Only needs 4" clearance around pipe.
- 2" - 12" range.
- Cuts steel, stainless steel, cast and ductile iron.

Model	Tubing/Pipe Size	Part #
H4S	2" - 4"	303969
H6S	4" - 6"	303349
H8S	6" - 8"	304503
H12S	8" - 12"	303350

Full assortment of replacement cutter wheels available



Call now to place an order
973-335-4800



PAC28 REPLACEMENT PARTS

Ref. No.	Description	Part #	Pieces per tool
1	Left Support (w/hole for Pivot Link)	304760	1
2	Right Support	310510	1
3	Support Bar (w/out hand grips)	304761	2
4	Hand Grip	304762	4
5	Chain Handle	304763	2
6	Link Chain and Threaded Rod Screw Assembly	304764	2
6A	Threaded Rod Screw Assembly	304766	2
6B	Link Chain	304765	2
7	Jaw	310252	4
8	Pivot Block	310253	2
9	Carriage	310502	1
10	Mounting Plate	304767	1
11	Pivot Link Assembly (Includes Bolts/Nuts/Washers)	304768	1
12	Roller	301636	4
13	Roller Pin	301637	4
14	Operating Handle	304769	1
15	Yoke	310503	1

Ref. No.	Description	Part #	Pieces per tool
16	Cutter Wheel (Generic wheels can be used but not recommended)	304770	2
17	Cutter Wheel Pin	304771	2
18	Feed Screw Crank	310504	1
19	Feed Screw	310505	1
20	Feed Screw Crank Pin	310506	1
21	Thrust Bearing	304772	2
22	Feed Screw Pin	304773	1
23	Bolt/Nut/Washers for Pivot Link Assembly	304774	2
24	Mounting Plate Allen Screws	310255	2
25	Carriage Screws	310256	1
26	Cutter Wheel Retention Screws	304775	8
27	Pivot Block Screw	310257	4
28	Jaw Allen Screws	310258	8
29	Brass Bushing for Left Support	304776	1
30	Brass Washers	304777	2
31	Snap Ring	304778	1





REED SOIL PIPE CUTTERS

- Fastest way to cut cast iron soil pipe.
- Available in single stroke or ratcheting models.

Ratchet Model	Pipe Size	Part #
SC49-6	1.5" – 6"	309065
SC49-8	1.5" – 8"	303847
SC49-10	1.5" – 10"	310630
SC49-12	1.5" – 12"	310631
SC49-15	1.5" – 15"	310632

Single Stroke Model	Pipe Size	Part #
SC59-6	1.5" – 6"	REED 08059
SC59-8	1.5" – 8"	310633
SC59-10	1.5" – 10"	310634
SC59-12	1.5" – 12"	REED 08062
SC59-15	1.5" – 15"	REED 08063



REED DESCALER

- Faster and more effective than chisels, chains or files.
- Needs only 2" of clearance around the pipe.

Model	Size	Part #
DS12	3" – 12"	302369
DS36	12" – 36"	303591



PS-62B



PS-75

MUSTANG EMERGENCY STEEL PIPE SQUEEZE TOOLS

- Hand operated, lightweight, self contained hydraulic squeeze tools
- Short pump stroke for rapid emergency closure
- Rounded jaw which lessen the chances of severing brittle pipe or pipe of unknown chemistry
- Pressure Relief Bypass System for increased safety
- Latched lower jaw and 90° swivel head

Model	Tubing/Pipe Size	Part #
PS-62B	3/4" - 2" IPS – 18 tons of force	304830
PS-75	3/4" - 2" IPS – 34 tons of force	304831

Grounding rods are recommended for use during all squeeze operations. Please see page 24 to order.

Polyethylene Valves & Fittings

*Mulcare stocks PE valves and electrofusion fittings
for large utility stock requirements.*

PE PIPE ELECTROFUSION REPAIR

ELECTROFUSION FITTINGS

BRANCH SADDLES

CAMERA FITTINGS

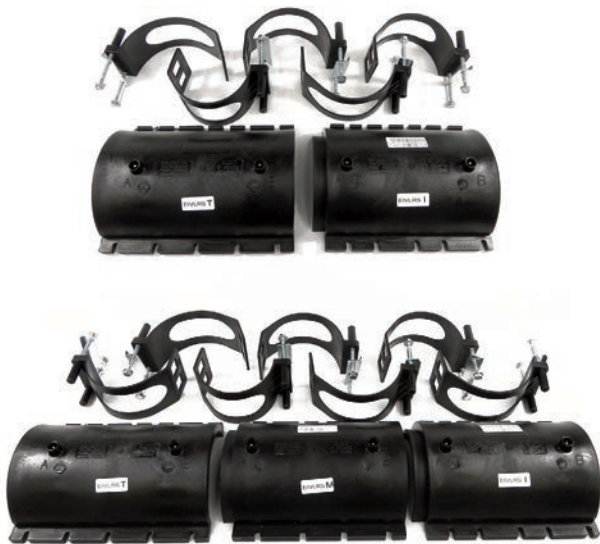
WEAK LINK

POLYVALVES

FOAM PIGS

PIG PEN





NUPI VARIABLE LENGTH REPAIR SLEEVE (VLRS)

The Variable Length Repair Sleeve (VLRS) is a modular system of electrofusion shells that can be installed contiguously and welded on pipes that have notches, scrapes or damage along the axis.

- Rated up to 60 psi.
- Effective on all PE resins.
- Undersaddle clamp included for ease of installation.
- Universal barcode technology to complete fusion.

Model	Pipe Size	Part #
Standard Assembly	2" IPS - 180°	304820
	4" IPS - 180°	304823
	6" IPS - 180°	304825
Middle Assembly	2" IPS - 180°	304821
	4" IPS - 180°	304824
	6" IPS - 180°	304826
Jumper Cables	All	303992



NUPI BUTT FUSION REPAIR SLEEVE (BFRS)

The Butt Fusion Repair Sleeve (BFRS) is a safety/repair system to be used to permanently reinforce suspect butt fusion welds.

- Effective on all PE resins.
- Universal barcode technology to complete fusion.
- Clamps and cables sold separately.

Model	Pipe Size	Part #
Standard Assembly	2" IPS - 360°	304827
	4" IPS - 360°	304819
	6" IPS - 360°	304822
	8" IPS - 360°	304828
	12" IPS - 360°	304829
Installation Kit	Includes wrench, clamps, & jumper wires	302030
Jumper Cables	All	303991

SEE OUR ELECTROFUSION MEASUREMENT GAUGES ON PAGE 11





NUPI TAPPING TEES

- 1-1/4" - 12" main sizes with 1/2" CTS - 2" IPS outlets available.
- Service and high volume sizes available for SPT & HVPT.
- Unique dual seal, no blow tapping performance.
- Multiple levels of quality control.
- No special installation tools needed; plastic or strap underclamp included with every fitting.

NUPI ELECTROFUSION COUPLINGS

- 1/2" service to 12" main available.
- Multiple levels of quality control.
- Specialty reducers, elbows, tees, and endcaps available.

NUPI CAMERA & BRANCH SADDLES

- Camera fittings come standard with completion plug for a gas tight seal.
- No special tools needed, plastic or strap underclamp included with every fitting.
- Electrofusion branch saddles as large as 12" x 6" available for easy main extension projects.
- NPT series available.

Please contact us for help in ordering the correct size for your application.



WEAK LINK P20

- The Weak Link helps protect pipe during installation. It is designed to yield at a force of approximately 20% less than normal tensile strength of PE pipe.
- It is available in both yellow medium density PE pipe and black high density PE pipe. Sizes from 1/2" CTS to 8" IPS.
- For a complete system, add the Pulling Head and Mud Plug to your Weak Link. The Pulling Head leads your new PE through the bore and the Mud Plug keeps debris out of your pipe during pull back if the Weak Link is compromised.

Please contact us for help in ordering the correct size for your application.





POLYVALVE, LLC

- 1/2" to 12" ball valves available.
- No metal internal parts.
- Bubble-tight shutoff from dual elastomeric seats.
- Fused body shell eliminates leak paths to atmosphere.
- High-grade polymeric materials eliminate corrosion.

We offer a full range of Polyvalve, LLC products. Please contact us for help in ordering the correct size for your application.



FOAM PIGS

- Used for light cleaning, air removal prior to hydrostatic testing, water evacuation and drying.
- Their resilience enables them to negotiate short radius elbows, miter bends, and major diameter reductions.
- Sizes from 2" - 42".

We offer a full range of foam pigs. Please contact us for help in ordering the correct size for your application.



PIG PEN

- Safely collect foam pigs and debris that come out of the gas pipeline while pigging.
- Can be used on multiple PE pipe sizes and easily installs in minutes without the need for additional tools.
- It is durable, reusable, and rolls up in to a compact shape.



Now with new safety stop plate

Model	Tubing/Pipe Size	Part #
PPE550-744	Pig Pen with collar sizes for 2", 4" and 6" PE Pipe	305374
LC420	1-1/4" Add on collar with screw clip	305715
LC650	3" Add on collar with screw clip	305716

Please call for replacement parts.

Marking, Locating & Leak Detection

PE PIPE MARKER & LOCATING SYSTEM
METAL PIPE & TRACER WIRE LOCATORS
TEE'D UP MARKERS
GAS TORNADO
EZ JACK PLUNGER
BAR PULLER
DYNAMIC CONE PENETROMETER
DIGGING BARS
PROBE BARS



3M™ BALL MARKERS

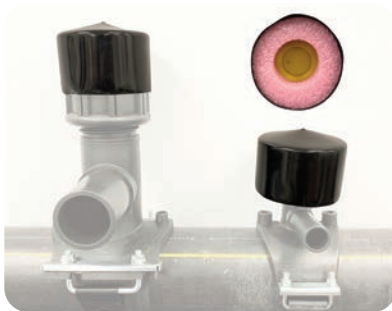
- Depth of up to 5'.
- Unique self-leveling design ensures the marker is always in an accurate, horizontal position.
- 3M-iD markers enable data to be stored in the marker to ensure positive identification of facilities.
- Water resistant polyethylene shells are impervious to minerals, chemicals and temperature extremes.

Model	Description	Part #
EMS Ball Marker 1405-XR	Passive	302251
iD Ball Marker 1425-XR/iD	Programmable	303745

3M™ ELECTRONIC MARKERS

- Near-surface marker - depth of up to 3' (0.9 meters).
- Mini-markers - depth of up to 6' (1.8 meters).
- Full Range markers - depth of up to 8' (2.4 meters).
- EMS Rope - depth of up to 4' (1.2 meters).
- EMS Marker Tape - depth of up to 2' (0.61 meters).
- Tapping Tee Cap Marker - depth of up to 5' (1.5 meters).

Model	Description	Part #
Near-Surface Marker - 1436	Passive	302552
iD Near-Surface Marker 1436-XR/iD	Programmable	Please Call
Mini-Marker - 1259	Passive	310635
Full Range Marker - 1254	Passive	310636
iD Full Range Marker - 1254-XR/iD	Programmable	Please Call
EMS Rope - 7705-HTS-Gas	Passive	304415
EMS Marker Tape - 7615-XR-Gas	Passive	310637
Tapping Tee Cap Marker	Passive	Please Call



3M™ DYNATEL™ X-SERIES MARKER SYSTEM LOCATORS

- Pinpoint the depth and location of all existing models of properly installed underground passive EMS markers.
- Locate, read and write to 3M iD markers.
- Conduct direct depth reading of markers.
- GPS and Bluetooth enabled.

Model	Part #
Dynatel™ iD Locator 1420X	307644
Dynatel™ Cable/Pipe Locator 2573X	Please Call
Dynatel™ iD Locator 7420X	Please Call





TEE'D UP MARKER

- Gives excavating operators early notice of buried utilities
- Embedded magnet makes it easy to identify the location above ground using a standard metal locator
- Modular design accommodates multiple applications

Model	Length	Part #
TMST-ST	Direct Pipe Application Kit	310638
TMTT-PC	Tap Tee Application Kit	310639
TMHV-C	High Volume Tap Tee Application Kit	310640
TM01-3M	Peg Base Kit	310646



GAS TORNADO

- Using the Venturi effect, this tool aggressively suctions gas from the ground. It generates 242" of simultaneous dry/wet pick-up power.
- No moving parts, no spark and no motor maintenance.
- Can be used in less than 2" diameter holes at any depth

Model	Length	Part #
T95993UNIT	Complete unit (includes power head & lower unit)	304571
T95993UNIT-TIP	Complete unit w/ threaded insert plug (includes power head & lower unit)	305419



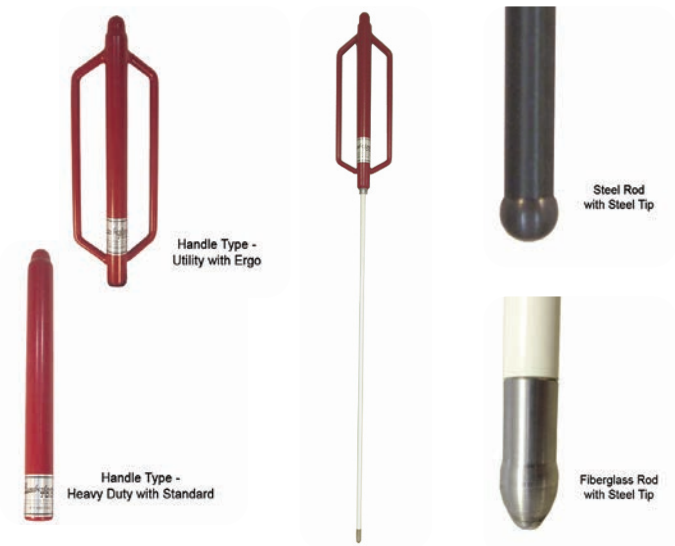
Grounding rods are recommended with use. Please see page 28 to order.

EZ JACK PLUNGER

- One-Man Probing Tool with 52" Probe Depth
- Tempered Steel or Fiberglass Rod Options
- Comes with Oversized Replaceable Tips
- Sturdy, Plastic Coated (PVC) Handles

Model	Length	Part #
EZ1006	Heavy Duty - Standard Handle with Steel Rod	305679
EZ1005	Heavy Duty - Ergo Handle with Fiberglass Rod	310641
EZ1004	Utility - Ergo Handle with Steel Rod	305678
EZ1004F	Utility - Ergo Handle with Fiberglass Rod	309150
EZTIP-1116	Replacement Tip - 11/16" Screwed Ball Tip*	310642
EZ1005HO	Replacement Handle - Heavy Duty Ergo Handle*	310643

*Are interchangeable with Heath models

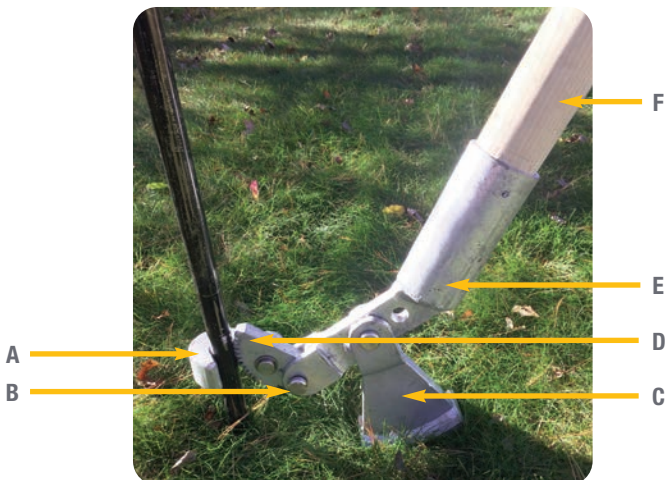




Model	Part #
Bar Puller	304920

PERC BAR PULLER

- All welded steel design.
- Lightweight at less than 20 lbs. total weight.
- Designed for one man operation.
- Prevents pavement cracking.
- Eliminates bar bending caused by other removal methods.
- Adjustable to bar/pin diameters of 1/2" - 1-1/4".
- Pull stuck pneumatic tool bits from pavement and concrete.
- Works on all ground surfaces during all seasons.



REPLACEMENT PARTS

Ref	Description	Part #
A	Hook	301638
B	Hook/Jaw/Rocker Pin with Snap Ring	301562
C	Rocker	301640
D	Ratchet Jaw	301639
E	Lever	301641
F	Ash Wood Handle (6')	301148

DCP

- Verify compaction at any lift level during backfill.
- Reduce or eliminate costly tests by soil laboratories.
- Satisfy city and county requirements.

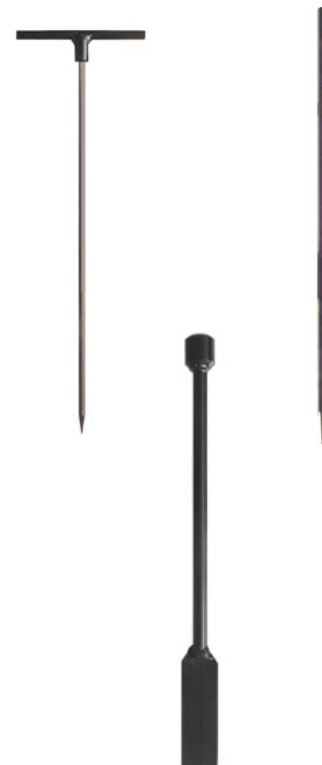
Model	Part #
DCP Kit (includes case and moisture meter)	302909
Moisture Meter	303774
Spare Tips	308979



PROBE BARS

- Sizes 3' – 8' lengths.
- Heat treated hexagon steel shank.
- Offered in different materials and sizes.
- Fishtail probe bar available.

Model	Length	Part #
Tee Handle Probe Bar	3' – 8'	Please Call
Single Point Probe Bar	3' – 8'	Please Call



DIGGING BARS

- Sizes 2' – 8' lengths.
- Steel shank with hard faced edge for better wear.
- Top of digging bar can be used to tamp the ground.

Model	Length	Part #
Digging Bar	2' – 8'	Please Call





Mustang DBH1200B being lowered for use on a 8" SDR9 live main.

Located on Page 23

STATIKIL PE
GROUNDING ROD
LLFA TAPE PIPE REPAIR SYSTEM
CADWELD
BONDING CABLES
SOAP CANS
SCOTCHRAP PIPE WRAP
SCOTCHKOTE PRIMER
ANTI-THEFT/STOPPER PLUG
VALVE BOX LIDS, PLUGS, EXTENSIONS
RETZ REGULATOR TOOL
METER NUT WRENCH
BEYER BOX
LINK SEALS PENETRATION SEALS
CASING ISOLATORS
END SEALS
WARNING TAPE



Excellent visibility on all PE pipes



- Effectively eliminates static charges on PE gas pipe by increasing surface conductivity
- Eliminates need for bulky burlap or pipe wraps
- Keeps work area clear and eliminates trip hazards posed by other grounded pipe “wraps”
- To be used prior to construction operations including squeeze-off, repair, tapping, cutting, venting, etc.
- Colorant added for positive verification of product coverage
- Remains effective even after pipe is dry
- No aerosols. No wasted over spray.

Product available ready for use in:

- 32 oz spray bottle with simple trigger spray for accurate application. (Part # 301000)
- 1 Gallon containers (Part # 301813)

Specifications	
Composition	High Molecular Weight Topical Antistat
Physical Form	Liquid
Color	Gray Pigment for Visibility
Flash Point	None
Freeze Point	-10° F
Explosion Hazard	None
Specific Gravity	1.0
Odor	Mild Lemon
pH Regular	7.71
Static Decay Rate	MIL-B-81705-B At Relative Humidity @13% 72°F .35 Sec @5 KV

STATIKIL PE has been tested by independent laboratories and meets or exceeds ASTM D-257-80, MIL B-81705-B, Electronic Industry IS-5 and NFPA-99 specifications for surface resistivity and static decay.

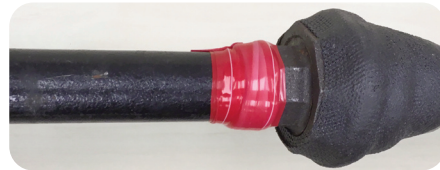
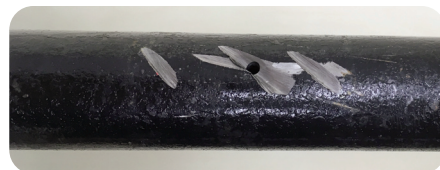


ProReach128 (one gallon) long reach sprayer accessory available for above ditch applications (Part # 306035)

Health 0	Flammability 0
Reactivity 0	



PLEASE VISIT WWW.STATIKIL.COM TO SEE A VIDEO OF STATIKIL PE IN ACTION!



LLFA® TAPE

LLFA Tape is a self-fusing silicone based tape designed to seal leaks in harsh weather conditions and is currently used as a temporary or permanent repair for natural gas leaks.

- LIVE leak sealing <150psi on PE, Steel, Copper, Cast Iron, SST, etc.
- One-step, straightforward application with minimal prep time.
- Stable from -130°F to 500°F (-90°C to 260°C).
- Highly UV & Ozone resistant.
- No storage requirements, 4 year shelf life.

LLFA® SMOOTH

Fast-acting insulating putty that stays flexible and works well in conjunction with LLFA Tape.

- Fill rough and/or uneven surfaces before using LLFA Tape.
- Molds quickly and easily, without the use of gloves or chemicals.

LLFA® GARDE

Moisture cure polyurethane infused fiberglass tape for extra protection of LLFA Tape in extremely aggressive/abusive environments.



RESOURCE LIBRARY

Model	Description	Part #
LLFA Tape	1" x 40mil x 36ft (Red)	301819
	1" x 40mil x 36ft (Black)	301822
	2" x 40mil x 36ft (Red)	301824
	1" x 40mil x 12ft (Red)	301820
LLFA Smooth	4oz, 113g (Standard)	301826
	3oz, 100g (Thin)	301828
	4"X 6" (Brick)	301830
LLFA Garde	3" x 5'	306047
	3" x 12'	306048
	4" x 12'	307618
V65 Tensioner	2" Tape Tensioner	301832





CADWELD® IGNITERS, ADAPTERS & ACCESSORIES

- Install exothermically welded connections.
- Options available for keyhole applications

Cadweld® Pulse Impulse Igniter	Part #
Igniter with 6' cord	306267
Igniter with 15' cord	306268

Cadweld® Mold Adapter	Part #
Steel Pipe Mold 3/4" - 3-1/2" diameter pipe	304098
Steel Pipe Mold 4" and larger diameter pipe	304097

Cadweld® Accessories	Part #
Copper Sleeves (Package of 100)	Please Call
Mold Cleaner Brush	304126
Mold Cleaner Scraper	304125
Flint Gun	304614
Pipe Clamp - Magnetic	304099
Cadweld Shots	Please Call



Standard Magnetic Ends

Spring Clamp Ends

BONDING CABLES

Maintain continuity between two pipe sections when welding to ensure both have adequate path to ground for safe and effective welds.

Lengths Available	Part #
6' Bonding Cable Assembly (Magnetic)	304925
10' Bonding Cable Assembly (Magnetic)	304923
20' Bonding Cable Assembly (Magnetic)	304924
6' Bonding Cable Assembly (Spring Clamp)	306683



SOAP CANS

- Metal construction with built in brush.
- Pint & quart sizes available.

Sizes Available	Part #
Pint Size Metal Soap Can with Brush	302929
Quart Size Metal Soap Can with Brush	302930





UTILITYLOGIC VALVE BOX LOGIC SYSTEM

Complete with lockout protection against unauthorized access, bi-directional locating magnet or optional 3M EMS Disc, includes generic valve identification tag. (Custom utility identification tags upon request)

Please contact us for help in ordering.

LOGIC LIDS

The Logic Lid is an alternative to conventional cast iron valve box lids. They help eliminate noise complaints in residential neighborhoods as well as limit liability costs often associated with roll-out or pop-out problems.

- High-impact fiberglass and reinforced nylon design helps prevent pop-outs.
- Water and debris proof.

Please contact us for help in ordering.



LOGIC PLUGS

The Logic Plug keeps the pipe and valve dirt free and prevents unauthorized operation of the valve. It works in conjunction with valve maintenance programs and lock-out / tag-out programs. Available for all major brands of valve boxes.

Please contact us for help in ordering.



LOGIC EXTENSION

The Logic Extension adds the extra reach needed to access the valve operating nut with the standard tools you already have. Extensions can be completely assembled at an exact length or top open ended for field customization.

- 2" x 2" x 1/4" reinforced fiberglass riser shaft.
- Field customizable shaft height. (order in foot increments up to 12')
- Standard debris catcher top with optional fine mesh available.
- 2" square operating nut end.

Please contact us for help in ordering.

**Easily customize shaft length in the field with a Sawzall.*





VALVE BOX ANTI-THEFT

- Expandable EPDM plug blocks pipeline against tampering and gas theft.
- Standard diameters of 3-1/2" to 8-1/2".
- Custom sizes can be ordered upon request.
- 36" wrench sold separately.

We offer a full range of Goodman products. Please contact us for help in ordering the correct size for your application.



3M SCOTCHRAP

- PVC tape with a high-tack adhesive provides a corrosion- and impact-resistant seal for all-weather protection of metal piping systems above and below ground.

Model	Size	Part #
3M Scotchrap 50	10 mil, 1" x 100'	302545
	10 mil, 2" x 100'	302546
	10 mil, 4" x 100'	302547



3M SCOTCHRAP PIPE PRIMER

- A quick-drying, non-sag rubber base primer that permeates metal surface pits and irregularities, preparing the surface for tape application

Model	Size	Part #
Scotchrap Pipe Primer	1 gallon can	302548



EMPIRE LEVEL NON-DETECTABLE WARNING TAPE

- Durable, dependable non-detectable polyethylene warning tape for service and other non-critical metallic installations.
- Installed at proper shallow depth, ShieldTec is tough, basic protection for any type of buried cable or pipe. Suitable for open trench installation.
- Custom artwork available.

Model	Size	Part #
Yellow with Black Type Caution Tape	3" x 1000'	302435
	6" x 1000'	302436



EMPIRE LEVEL REINFORCED NON-DETECTABLE WARNING TAPE: DURATEC®

- Premier non-detectable **woven** polyethylene tape.
- Patented reinforcing weave provides the strength needed for plowed-in installations.
- Will not stretch when dug into; the printed message stays intact and is easy to read.

Model	Size	Part #
Yellow with Black Type Caution Tape	3" x 1000'	303159

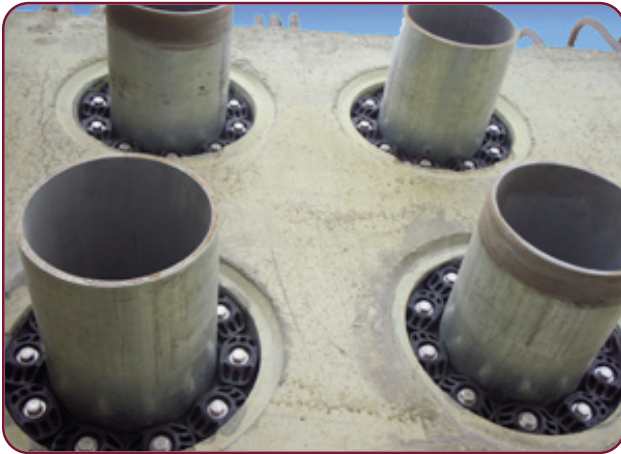


EMPIRE LEVEL PREMIUM DETECTABLE WARNING TAPE: MAGNATEC

- The premium detectable tape used for location and early warning protection for underground lines.
- Middle foil layer allows for both inductive and conductive locating.

Model	Size	Part #
Yellow/Silver, Black Type Caution Tape	2" x 1000'	308949
	3" x 1000'	310644
	6" x 1000'	310645

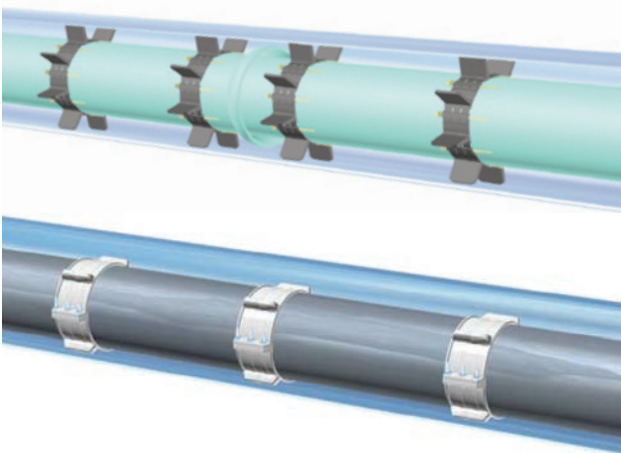




LINK SEALS

- Modular seals are used for permanently sealing pipes of any size passing through walls, floors and ceilings.
- Ductile iron, concrete, metal as well as plastic pipes may be hydrostatically sealed within walls to hold up to 20 psig (40 feet of static head).
- Seals are available for a wide variety of special applications, temperature extremes, exotic chemical combinations and for “out-of-round” or non-centered applications.

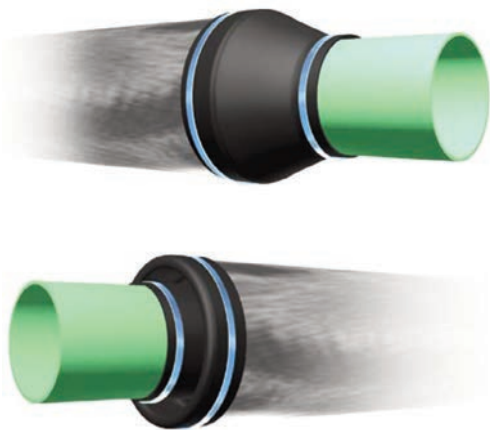
Please contact us for help in ordering the correct size for your application.



CASING ISOLATORS

- The Ranger II® is an entirely non-metallic casing isolator/spacer system that uses molded segments to encircle the carrier pipe.
- Model PE is a high density (linear), injection molded, virgin polyethylene casing isolator/spacer for a wide variety of double containment carrier/casing pipe applications.

Please contact us for help in ordering the correct size for your application.



MODEL "C" END SEALS

- Model "C" custom pull-on end seals are made to customer supplied specifications so they may be used for any size casing/carrier differential.

MODEL "S" STANDARD PULL-ON END SEALS

- Model "S" standard pull-on end seals are flexible and easily installed on nominal steel & IPS casing/carrier pipe combinations.

Please contact us for help in ordering the correct size for your application.



Meter Set Tools & Components

METER NUT WRENCH
BEYER BOX
RETZ REGULATOR TOOL
BREAKAWAY VALVE



MD-52 METER NUT WRENCH

- Made from 304 stainless steel.
- Nickel plated.
- 7 sided jaws properly sized to minimize damage to meter nuts.
- Multi-purpose with a meter nut wrench and meter valve adjustment feature.

Model	Description	Part #
MNW10	For 10 LT Meter Connection Spud	305521
MNW1A	For 1A LT Meter Connection Spud	310170
MNW20	For 20 LT Meter Connection Spud	305522
MNW30	For 30 LT Meter Connection Spud	305523
MNW45	For 45 LT Meter Connection Spud	305524
MNWOX30	Dual sided. Used with 20 LT and 30 LT Meter Connection Spud.	305520

Multi-size kits available



BEYER BOX - EASY VALVE ACCESS

- Establishes and protects access to the meter set valve.
- Eliminates the high cost to raise the service line and riser.
- Installation is simple and fast, a one man job.
- Minimizes disturbance to existing landscape.
- Establishes a safe installation with access to valve and no need for cathodic protection or anodeless riser service.
- Optional cover to offer long-term protection.



Model	Description	Part #
GARB16X16	Box & Lid	305358
GARB16X16B	Box Only	305594
GARB16X16L	Lid Only	305626



RETZ REGULATOR TOOL

Universal dual-sided tool adjusts set points on most residential (hexagon end) and commercial (flat head end) regulators.

- Lightweight and compact, Aluminum anodized finish to eliminate rusting.
- Hexagon shaped body to accept crescent wrench, Torque hole for stubborn regulators.



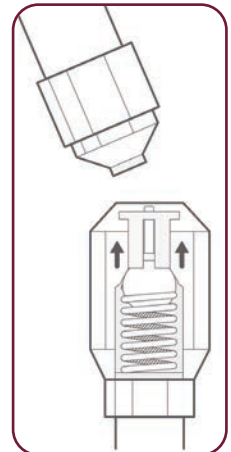
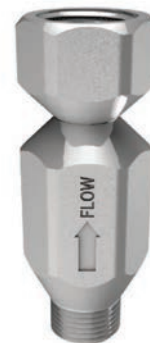
Model	Part #
RETZ Regulator Tool	309158

HALO VALVE

The HaloValve is a Natural Gas Safety Breakaway, which can be easily integrated into existing installations, it is placed in the riser pipe between grade and the gas meter. Upon impact, the valve disconnects and gas flow is shut off, which provides instant and effective protection from the accidental rupture of gas meter lines.

Additionally, the HaloValve enables utility companies to comply with the requirements of the PIPES Act legislation of 2020 by helping eliminate the accidental emission of greenhouse gases into the atmosphere.

- The breakaway is installed into the meter set or other gas piping.
- Design withstands nominal lateral forces.
- If a significant lateral force occurs, the fitting breaks.
- The ball acts as a plug stopping the escape of gas.
- Stopping the flow of natural gas minimizes risk of fire, explosion, property damage and serious injury.



Model	Size	Part #
HaloValve	3/4"	Please Call
	1"	Please Call

Available in 4" & 6" lengths and any combination MNPT or FNPT connections.





Using the GoVAC Flex for cross compression from a decommissioned main into a newer one.

Located on Page 73



Methane Emissions Reduction

GOVAC FLEX
GOVAC MAX



GOVAC® FLEX

SYSTEM FOR PIPELINE EVACUATION
AND CNG COMPRESSION



SELF-CONTAINED, FULLY-AUTOMATED, NO EXTERNAL POWER REQUIRED

The GoVAC® FLEX system gives natural gas operators the ability to adopt best practices for performing natural gas capture and recovery during pipeline maintenance and other applications. In addition, the system can be used for natural gas vehicle refueling, station backup and filling tube trailers.

Our patented, portable, natural gas compressor offers a safe and practical solution that prevents methane emissions in achieving your company's environmental goals.

Freedom from External Power

No diesel, electricity, or any other fuel source required in its operation. The system runs on the natural gas it is evacuating from the pipeline.

Flexibility in Siting

Hazardous area compliant and can operate near pipelines without the need for external diesel generators or air compressors.

Portability/Mobility

Small enough to be pulled by a pickup. The self-contained, integrated system is easy to maneuver around a job site and requires no extra equipment.

Environmental Reporting

The intuitive control system provides operators with validated environmental reports and operational metrics.

Flexible Inlet/Outlet Pressures

The GoVAC® FLEX system can draw a pipeline from 1250 psig (*higher pressures optional*) to near 0 psig and transfer into an adjoining pipeline or a tube trailer at pressures up to 3600 psig.

24/7 Remote Monitoring

The GoVAC® FLEX system is equipped with cellular telematics which allows for remote operations monitoring and two-way communications.

FOR SALE, LEASE, OR AS A TURNKEY SERVICE





GOVAC[®]

MAX

PIPELINE EVACUATION SYSTEM

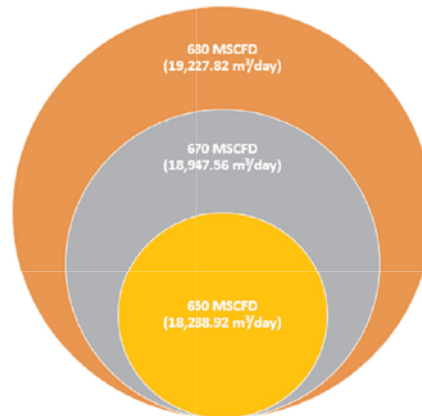
High Capacity Pipeline Evacuations

The GoVAC[®] MAX system is a self-contained natural gas capture and recovery solution that eliminates the need for flaring or venting during pipeline blowdowns. The GoVAC[®] MAX system is built on our patented compression technology so it runs on the natural gas being evacuated from the pipeline. This reduces the emission profile to a minimum and removes the need for additional equipment for natural gas recovery.

Operational Benefits and Advantages

- » High flow rates for fast evacuation of large projects
 - » Up to 500 scfm
 - » Up to 1000 psig inlet/outlet pressure
- » Optimal performance and size for many applications
- » Easy to operate and maintain
- » Internal tool and hose storage
- » Low noise
- » Intuitive and easy to read control panel
- » Remote monitoring
- » Automated controls and data capture
- » Validated environmental impact reporting

Average MSCFD Transferred Based on Pipeline Starting Pressure



Starting pressure

- 1000 psig (6.89 Mpa) ●
- 750 psig (5.17 Mpa) ●
- 500 psig (3.45 Mpa) ●

Projects evacuated down to 1 psig (6.895 kPa)

Fully Automated, Digitized Evacuation

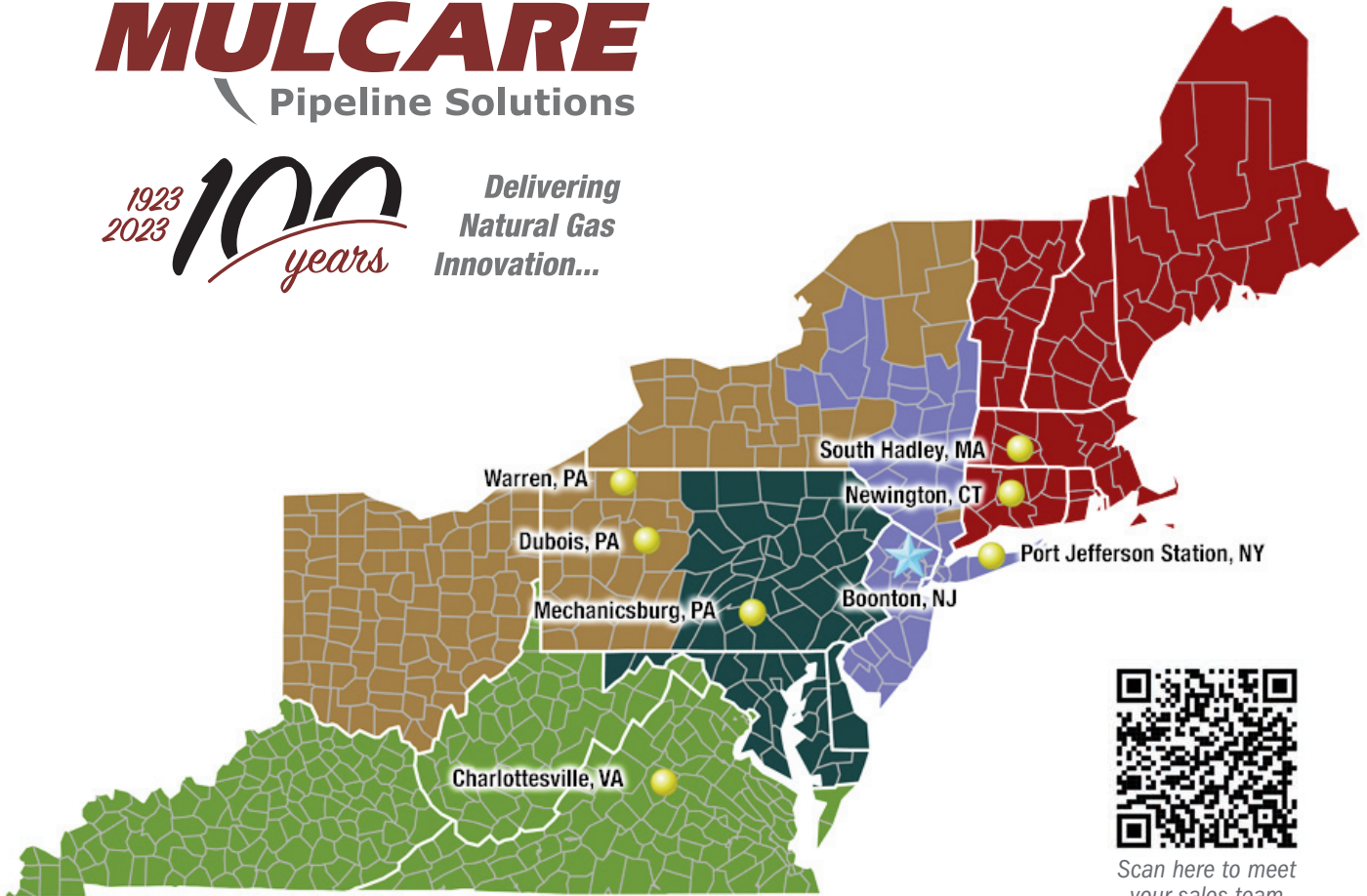
The control system provides automated data capture and ensures safe and tamper-proof transmission, storage and secure access. Accurate and validated environmental and operational reporting on key metrics are available to the operators both on site and remote. This digitized evacuation capability enables companies to comply with current and future regulations and meet environmental initiatives.





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100
years

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Natural Gas
Innovation...*



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Mulcare operates from eight regional offices employing 5 Regional Sales Managers, 4 Tooling & Distribution Territory Managers, 2 Product Managers, 4 Project Managers, 6 Inside Salespersons, and over 20 additional support personnel.

Our traditional principals' products are offered within all the New England States, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, West Virginia, Ohio and Kentucky. With a 28,000 sq./ft corporate headquarters and warehousing in Boonton Twp., NJ, we are 1-day shipping time to our customers' locations and only hours away from each of our service centers.

Contact us with questions, to place an order or schedule a demo.

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Mulcare Pipeline Solutions. Since 1923, Mulcare has grown with the natural gas industry by delivering cutting edge equipment and services that consistently surpass expectations. We are focused and well-versed on the modern concerns of transmission and distribution companies, municipalities and contractors alike. Whether you require the industry's latest and most advanced products, on-site experts, money-saving solutions or all of the above, Mulcare can meet your needs.

Our Objective. We are committed to creating rewarding partnerships with our customers and principal suppliers. These relationships have yielded the industry's leading offering of products, equipment, tools and expertise: all the things necessary to compete in today's dynamic natural gas industry. We can lower your costs and design solutions for the installation, operation and maintenance of natural gas infrastructure.

Our Strengths. Industry experts focused in these areas:

- Commercial, Industrial & Residential Metering
- Commercial/Residential AMI/AMR (Itron ERT® Reader)
- Flow Control Valves & Pressure Regulators
- Gas Chromatography & Sampling Systems
- Odorant Injection, Detection & Analysis Equipment
- Dry & Coalescing Filters
- Pipeline & Instrument Heaters
- Polyethylene & Steel Valves
- Hot Tap & Flow Stop Equipment
- Electrofusion & Butt Fusion Systems
- Pipe Installation & Repair Tooling
- Underground Marking & Locating Systems
- Methane Emissions Reduction
- Cross Compression/Pipeline Gas Evacuation Equipment
- Cross Compression/Pipeline Gas Evacuation Service
- Field Installation, Start-up & Maintenance Services

Contact us today. Let us demonstrate how over 100 years of experience can help you meet your challenges head-on and reach your long-term goals: on time, on budget and ahead of the curve.