

NATURAL GAS DISTRIBUTION TOOL CATALOG

Q4 2022 v1

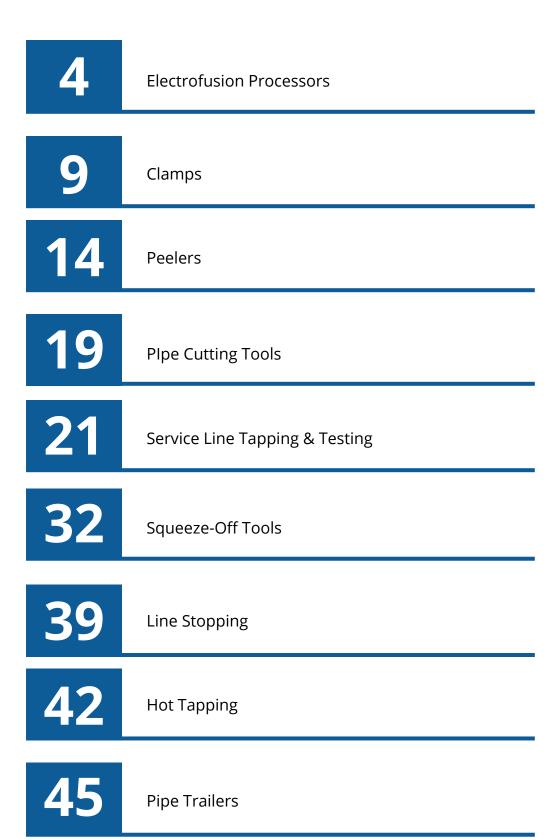




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ISCO Industries, Inc. Headquarters

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Electrofusion Processors



HIGHLAND



Highland VORTEX Processor

Introducing VORTEX from Highland, a small processor with big power. VORTEX features an active cooling system which has allowed us to decrease the overall size and weight of the unit. The powerful fan keeps the processor cool while a positive pressure configuration helps keep out dust and debris. VORTEX comes standard with GPS and is ready to meet your ASTM F2897 needs.

Details:

- Fuse up to 16" fittings
- Fuse 4.0mm or 4.7mm fitting terminals with universal fusion tips
- Wireless and rechargeable barcode scanner
- Active cooling for maximum performance
- Light and compact at 35 pounds and 18"x14"x7"
- Rugged case for protection and storage
- Calibration Interval 12 to 36 months. Unless requested when purchasing, the 24-month interval is set as default.
- Calibration Lockout option Once the calibration date of the unit has passed, the unit will not allow for any fusions to be performed until calibrated. This option can be selected when purchasing or enabled by contacting us.





Highland Supercell Processor

Introducting Supercell from Highland, a generational leap in electrofusion technology. Supercell is a lithium-ion battery powered processor designed to work all day, every day. With industry leading capacity, the average operator can get up to two weeks of work on a single charge. Supercell comes standard with GPS, is ASTM F2897 traceability compliant, and equipped for use with mobile applications.

Details:

- Fuse 4.0mm or 4.7mm fitting terminals with universal fusion tips.
- Reliably fuse up to 200 1" IPS couplings on a single charge. Supercell will also handle up to 12" IPS couplings.
- 98% reduction in carbon emmissons versus traditional generator powered fusion. 0db operation also reduces noise pollution by 100% all in a 32 lb. package.
- When using the included faster charger, Supercell recharges from flat to full in 60 minutes. Achieve enough energy to fuse a 4" coupling in just 25 minutes.
- Wireless and rechargeable barcode scanner included.
- Comes in a rugged case for protection and storage.
- Calibration Interval 12 to 24 months. Unless requested when purchasing, the 24-month interval is set as default.
- Calibration Lockout option Once the calibration date of the unit has passed, the unit will not allow for any fusions to be performed until calibrated. This option can be selected when purchasing or enabled by contacting us.
- 2-year warranty
- Battery pack life expectancy is a minimum of five years.



Fusion Capacity:

Fitting Size	Number of Fusions
and Type	on Full Charge*
1/2" Coupling	200+
1" Coupling	200
2" Coupling	40
2" Tap Tee	68
4" Coupling	8
4" Tap Tee	28
6" Coupling	4
6" Tap Tee	28
8" Coupling	3
8" Tap Tee	26
12" Coupling	1
12" Tap Tee	12

*Results may vary. Tested using MTD Trifusion Fittings



MTD



MTD Battery Fuse Processor

- · Compliant with ASTM F2897 traceability standards
- Fuse any fitting up to 6"
- Storage for 11,000+ fusion records. Downloads via Bluetooth and mobile app
- Standard-equipped with GPS
- Perform your own calibration with the AutoCal calibration machine

Fuses per Charge

- 30ea. 1¼" ~ 12" Tapping Tees
- 30ea. 2" ~12" Branch Saddles
- 90ea. 1" or smaller Coupling-Interface Fittings²
- 18ea. 2" Coupling-Interface Fittings
- 4ea. 3" Coupling-Interface Fittings
- · 2ea. 4" or 6" Coupling-Interface Fittings

¹ Quantities based on MTD TRI FUSION fittings and may vary by fitting manufacturer. ² Coupling-Interface Fittings include couplings, elbows, tees, end-caps, and reducers.

MTD Minimaxx Processor

- · Compliant with ASTM F2897 traceability standards
- Storage for 11,000+ fusion records. Downloads via Bluetooth and mobile app
- Standard-equipped with GPS
- Perform your own calibration with the AutoCal calibration machine

Details:

- Fuse 4.0mm or 4.7mm fitting terminals with included adapters and 20' output cables (universal tips available)
- AutoScan Optical Laser Scanners for easier barcode scanning
- Operation manual, lead tool, and terminal adapters
- Rugged Pelican case for protection and storage.



Electrofusio Clamps

Electrofusion Clamps





Highland VariClamp

The Highland Variclamp has been designed to hold and align pipe from 1/2" - 2" IPS/CTS/MM or in any combination, helping the pipes' alignment and preventing movement during the fusion. This clamp has rotatable profiles having up to seven different sizes on them that allow quick selection of the pipe diameter for both couplers and reducers. It also bends to pivot 45° or 90° to allow elbows to be held.

Part No.	Size Range
77067413	0.5" - 2" (GAS)





Highland Multiclamps

The Highland Multiclamp is designed and manufactured in the USA. Made from high-quality aluminum for a balance of strength and weight saving, the Highland Multiclamp is equipped to handle 2"-16" fusion jobs at 22.5°, 45°, 67.5°, and 90° with adjustable carriages for various lengths.

Part No.	Description
76060923	H6432 Multiclamp 6" Clamp w/ 4" 3" & 2" Inserts
76060920	H1286 Multiclamp - 12" IPS Clamp w/ 8" & 6" IPS Inserts
76691612	H16128 16" IPS Multiclamp w/ 12" & 8" IPS Inserts + 2 Ended Wrench

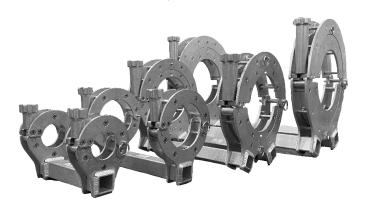




Highland Straight Clamps

The Highland line of fusion tools and accessories are designed and manufactured in the USA. Each clamp is made from high-quality aluminum for a balance of strength and weight savings.

Part No.	Description
76671930	1" IPS EF Straight Clamp
76671929	1.25" CTS Straight Clamp
76671931	1.25" IPS Straight Clamp
76670911	2" IPS Straight Clamp
76670912	3" IPS Straight Clamp
76670913	4" IPS Straight Clamp
76670914	6" IPS Straight Clamp EF
76060808	6" Inserts (set of 4)
76694807*	6" IPS Clamp with 4",3" and 2" IPS Inserts
76670915	8" IPS Straight Clamp
76061212	8" Inserts (set of 4)
76060919*	8" IPS Straight Clamp w/ 6" Inserts
76060916	10" IPS Straight Clamp
76060917	12" IPS Straight Clamp
76060918*	12" IPS Straight Clamp w/ 8" Inserts



*With these three clamps, you have all the pipes covered, 2", 3", 4", 6", 8" and 12". **Reducting Straight Clamps can be made upon request.

Electrofusion Clamps



MTD







MTD EconoClamps

MTD EconoClamps are a simple, affordable and reliable way to restrain electrofusion fittings. These clamps are designed to be quick and easy to use, operating like a pair of locking pliers. With no small, loose parts these tools are made to do the job, day in and day out for many years.

MTD Econoclamps for Reducers

Part No.	Size
TRI1560	3⁄4″ IPS × 1⁄2″ CTS
TRI1565	1" IPS × ½" CTS
TRI1572	1" CTS × 1⁄2" CTS
TRI1575	1" IPS × ¾" IPS
TRI1580	1" IPS x 1" CTS
TRI1586	1¼" CTS x 1" IPS
TRI1587	1¼" IPS x 1" CT
TRI1588	1¼" IPS x ¾" IPS
TRI1590	1¼" IPS x 1" IPS
TRI1594	2" IPS x 1¼" CTS
TRI1595	2" IPS x 1¼" IPS
TRI1605	4" IPS × 2" IPS

MTD Econoclamp for Tees

Part No.	Size
TRI1650	3⁄4″ IPS
TRI1655	¾″ CTS
TRI1660	1" CTS
TRI1675	1¼" IPS
TRI1680	2" IPS
TRI1690	4" IPS

MTD Econoclamps for Couplings

Part No.	Size
TRI1500	1⁄2″ CTS
TRI1505	1⁄2″ IPS
TRI1515	3⁄4″ IPS
TRI1520	1" CTS
TRI1525	1" IPS
TRI1535	1¼" IPS
TRI1536	1¼" CTS
TRI1540	2″
TRI1545	3″
TRI1550	4″

MTD Econoclamps for 45° Elbows

Part No.	Size
TRI1700	2" IPS -45°
TRI1705	3" IPS 45°
TRI1710	4" IPS -45°

MTD Econoclamps for 90° Elbows

Part No.	Size
TRI1728	1" CTS-90°
TRI1729	1¼" IPS -90°
TRI1730	2" IPS -90°
TRI1735	3" IPS-90°
TRI1740	4" IPS -90°

Electrofusion Clamps

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MTD Bar Clamps

MTD bar clamps offer a simple, familiar solution to clamping straight fittings. Manufactured from cast aluminum, these clamps are rigid, lightweight and cannot rust. Liners are sold separately to change the size of the bar clamp, or for clamping straight reducers.

Part No.	Size
TRI1754	4"
TRI17542	2" LINER FOR TRI1754
TRI17543	3" LINER FOR TRI1754
TRI1758	8″
TRI17586	6" LINER FOR TRI1758



MTD Multiclamps

The MTD Multiclamp is specifically designed to cover 1-1/4" through 16", the range of pipe sizes commonly used in natural gas distribution systems. Each clamp is width adjustable and articulates to restrain straight joints, 22.5°, 45° and 90° elbows and can be lined on each side for use with reducers. Every MTD multiclamp ships in a protective storage case.

Part No.	Size
TRI2001	1-1/4" - 4"
TRI2018	4", 6", & 8"
TRI2020	6" - 16"





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Electrofusion Peelers



MTD

MTD Polypeel

MTD Polypeel Outlet Peelers are designed to deliver the most consistent peel with the lowest amount of effort. They are equipped with a specially designed rotatable relief blade, with four cutting edges to ensure smooth operation and even peeling. Each ships in a protective storage sleeve.

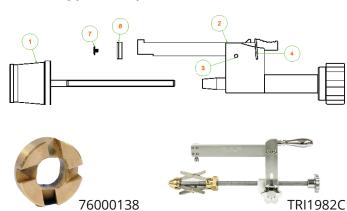
Part No.	Description
TRI1958	1/2" CTS - 2" IPS POLYPEEL
TRI1960	1/2" CTS POLYPEEL
TRI1963	1/2" IPS POLYPEEL
TRI1965	34" IPS POLYPEEL
TRI1970	1" CTS POLYPEEL
TRI1975	1" IPS POLYPEEL
TRI1978	1¼" IPS POLYPEEL
TRI1979	1¼" CTS POLYPEEL
TRI1980	2" IPS POLYPEEL
TRI1982C	2" - 6" EXPANDABLE POLYPEEL
TRI1984C	8" - 16" EXPANDABLE POLYPEEL



Peelers above are designed to peel a range of wall thicknesses. Peelers also available for specific wall thicknesses.



MTD Polypeel - Replacement Parts



Item Part No. Description Mandrel 1 *Varies 2 Console *Varies 3 76000144 Hinge Pin 4 Set Clip 76000140 5 (Internal) 76000142 Set Spring **Relief Blade** 6 76000138 7 76000139 Blade Screw

*For mandrel and console, part number is dependent on tool size. Please specify size of tool when ordering. All sizes are not listed.

Electrofusion Peelers



MTD Rotary Peelers

MTD Rotary Peelers are designed to perform with high consistency, even on pipe that is not perfectly round. Equipped with a floating wear-resistant carbide blade, each peeler rides on sealed ball bearings to ensure a smooth operation and even peeling. Each ships in a protective carrying case.

Part No.	Description
TRI1922C	1¼" IPS Rotary Peeler
TRI1924C	2" IPS Rotary Peeler
TRI1926C	3" IPS Rotary Peeler
TRI1928C	4" IPS Rotary Peeler
TRI1930C	6" IPS Rotary Peeler
TRI1932C	8" IPS Rotary Peeler
TRI1934C	12" IPS Rotary Peeler
TRI1938C	16" IPS Rotary Peeler







Highland Peeler

The Highland Peeler is designed for use on 2" diameter to 12" diameter DR 11 pipes. It is semi-automatic, clamping onto the wall of the pipe and rotating around while peeling a continuous ribbon 0.008" thick from the pipe's outer surface. This quick and easyto use tool ensures the optimum preparation is made to the pipe OD.

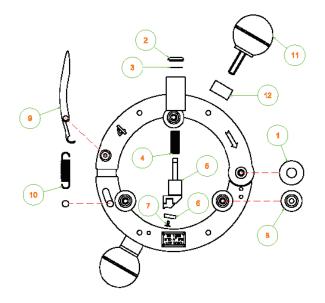
Part No.	Description
77067412	2"-12" DR 11 Pipes (4"-10" DIPS)



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MTD Rotary Peeler - Replacement Parts



ltem	Part No.	Description
1	76000132	Frame Bushing
2	76000133	Housing Cap
3	76000143	Shaft Snap Ring
4	76000137	Plunger Spring
5	76000136	Plunger Assembly
6	77008511	Blade
7	77008511	Blade Screw
8	77008516	Wheel Assembly
9	76000134*	Latch Handle
10	76000135*	Latch Spring
11	NS	Knob
12	NS	Knob Bushing

*Indicates part number is a kit including additional items not pictured. Replacement blade and screw sold together; not stocked separately. Knobs are available, but are non-stock parts.

Storage / Carry Cases

Part No.	Description
76000164	Case for Single Peeler
76000165	Case for Multiple Peelers





76000164

Electrofusion Peelers





RTC 160

Essential patented (RTC series) tools for plastic pipes preparation before electrofusion. All models are composed of a mandrel device to cover all working diameters, a rotating arm with a blade, service tools and transport case.

- Working range external: Ø 2" IPS to 6" IPS
- Mandrel device to cover all working diameters
- Rotatine arm with a blade supported
- Device designed to mantain constant thickness of the continuous chip



Working	Scraping	Max	Transport	Weight	Weight Standard
Range	Length	Dimensions	Case	Scraper	Composition
2" IPS-6" IPS	4.49"	14.9"x4.7"x9.8"	15.3"x8.2"x5.3"	5.5 lbs	12.4 lbs

RTC 315

Essential patented (RTC series) tools for plastic pipe preparation before electrofusion. All models are composed of a mandrel device to cover all working diameters, a rotating arm with a blade, service tools and transport case.

- Working range external: Ø 3" IPS to 12" IPS
- Mandrel device to cover all working diameters
- Rotatine arm with a blade supported
- Device designed to mantain constant thickness of the continuous chip



Working	Scraping	Max	Transport	Weight	Weight Standard
Range	Length	Dimensions	Case	Scraper	Composition
3" IPS-12" IPS	5.4″	20"x12.2"x16.1"	9"x19.7"x10.6"	9.9 lbs	16.5lbs

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Pipe Cutting Tools







Reed Ratchet Shears

- Ratchet Shears are ideal for cutting PE, PEX, PP and ABS pipe and tubing.
- Smoothest ratchet action for easiest cuts.
- Replace or resharpen blades for longer tool life and faster cuts.

Catalog No.	Item Code	Capacity	Length	Weight
RS1PLT	04175	1 1/4" nom. IPS	8.3 inches	0.8 pounds
RS1	04176	1 1/4" nom. IPS	8.3 inches	0.8 pounds
RS2	04177	2" nom. IPS	17 inches	2.8 pounds
RS7290	04182	2" nom. IPS	13.25 inches	2.4 pounds
RSP1	04276	1 1/4" nom. IPS	8.75 inches	0.9 pounds
RSP2	04277	2" nom. IPS	11.5 inches	1.56 pounds

Reed Guillotine Cutter

- Squarest cut available, within 1/8" (3 mm) on medium and high density pipe, due to strong frames and unique blade design.
- Saves facing cost: no facing needed for electrofusion, less needed for butt-fusion.
- HPC12 cuts PE up to 12" (350 mm).
- Requires minimal clearance, only 4" 6" (102 152 mm) around pipe.
- Clean and safe! No chips to clog valves and apertures.
- Many high quality cuts, with durable non-stick coated tool steel blade. (resharpenable and replaceable)

Catalog No.	Item Code	Capacity	SDR	Length	Weight
HPC4	04604	2"-4"	SDR15.5-SDR9	19 inches	15.6 pounds
HPC8+	04609	3"-8" DIPS & IPS	SDR15.5-SDR9	29.6 inches	27.4 pounds
HPC12	04612	4"-12"	SDR17-SDR9.3	51 inches	100 pounds



Reed Large Diameter Cutter 6-12"

- Safe to use as it creates no dust and chips fall where they are cut. There is no danger of chips being blown well into pipe.
- Only 6"-8" clearance needed to turn PLAS tool around pipe.
- Cuts out-of-round pipe because of spring loaded nuts.
- With PVC models, simultaneously cut and bevel PVC using cut-off blade and bevel blade.
- Inexpensive tool for contractors to make a cut for a tie-in or pipe break and then get the line back in use. Reduce overall labor costs!



Catalog No.	ltem Code	Capacity	Weight
PLAS1	04470	6"-12"	52 lbs.

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Service Line Tapping & Testing

MTD

MTD Tapping Tee Tools

MTD Tapping Tee tools were designed to be as efficient as possible. Each tool slots into the cutter with no additional tooling needed. Additionally, we over SafeTap version of each tool which includes an aluminum cap to keep the tool in place and eliminate any blow-by.

Part No.	Description
TRI1774	T-HANDLE TAPPING TEE TOOL
TRI1775	1/2" RATCHET DRIVE TAPPING TEE TOOL
TRI1776	SAFETAP T-HANDLE TAPPING TEE TOOL
TRI1777	SAFETAP 1/2" RATCHET DRIVE TAPPING TEE TOOL

Details:

- Solid steel construction.
- Equipped with travel stops, which bottom out to indicate tap is complete.
- Laser engraved retraction lines to indicate full retraction of the cutter.
- SafeTap tools are equipped with sealing elements which prevent blow-by during operation.

MTD High-Volume Tapping Tee Tools

MTD High-Volume Tapping Tee tools were designed to be as efficient and safe as possible. Each tool utilizes our SafeTap technology which includes a back-pressure safety adapter to keep the tool in place under line pressure. Additionally, each tool includes an integrated buttress thread PE cap for zero leak operation.

Part No.	Description
TRI1785	1/2" RATCHET DRIVE HV TAPPING TEE TOOL
TRI1786	T-HANDLE HV TAPPING TEE TOOL
TRI 1788	16" SAFETAP HV RATCHET TAP TEE TOOL

Details:

- Solid steel construction.
- Equipped with travel stops, which bottom out to indicate tap is complete.
- Laser engraved retraction lines to indicate full retraction of the cutter.
- PE Caps are equipped with sealing elements which prevent blow-by during operation.
- Back-pressure safety adapter threads into the top of the cutter, preventing tool movement under pressure.





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MTD Tapping Tee Accessories

MTD offers multiple accessories to be used with our tapping tees. Our unique cap design facilitates the use of a dedicated cap wrench which puts equal forces on the cap when tightening. Additionally, various test caps are available for joint testing.

Part No.	Description
TRI1783	Standard Tapping Tee Cap Wrench
TRI1793	High-Volume Tapping Tee Cap Wrench
TRI1779	Standard Tapping Tee Test Cap with 1/4" NPT male threads (no gauge or valve)
TRI1781	Standard Tapping Tee Test Cap with 160psi gauge and valve
TRI1787	High-Volume Tapping Tee Test Cap with 1/4" NPT male threads (no gauge or valve)
TRI1790	High-Volume Tapping Tee Test Cap with 160psi gauge and valve

Details:

- MTD cap wrenches are designed specifically to work with the MTD TriFusion tapping tees. This wrench ensures even pressure is applied when tightening and greatly reduces the stress applied to the tee.
- Test caps are available with a test gauge and valve already installed or as a raw cap to which you can connect any 1/4" NPT fitting you would like.

McElroy Test Caps

- · Quick and easy air pressure testing of polyethylene pipe
- Easily installed and removed for repeated use
- Test caps meet 49 CFR 192.513
- Tests pipe sizes from 1/2" CTS to 2" IPS
- Safety lanyard for added operator protection



Part No.	Pipe Size
TP-301	1⁄2″ CT
TP-302	1⁄2″ IPS
TP-303	3⁄4″ CTS
TP-303	¾″ IPS
TP-305	1" CTS
TP-306	1" IPS
TP-307	1 ¼" CTS
TP-308	1 ¼" IPS
TP-309	1 1⁄2″ IPS
TP-310	2" IPS





Butt Fusion Equipment

ISCO

Butt Fusion Equipment



McElroy 2LC

Fusion capability for 1/2" CTS - 2" IPS and 16mm - 60mm

> 13 inches long 14 inches wide 15 inches tall Weight: 23 pounds

Inserts - 2LC & 2CU

Inserts	Pipe OD	Part No.
1 1/2" IPS	1.90" (48mm)	207515
1 1/4" IPS	1.66" (42mm)	207514
1 1/2" CTS	1.63" (41mm)	207533
1 1/4" CTS	1.38" (35mm)	207519
1" IPS	1.32" (33mm)	207513
1" CTS	1.13" (29mm)	207518
3/4" IPS	1.05" (27mm)	207512
3/4" CTS	0.88" (22mm)	207517
1/2" IPS	0.84" (21mm)	207521
1/2" CTS	0.63" (16mm)	207516



McElroy Pit Bull® 14

Fusion capability for 1" IPS - 4" DIPS PIPE and 32mm - 110mm

15.5 inches long 16.5 inches wide 31.8 inches tall Weight: 35 pounds

Inserts - Pit Bull[®] 14

Inserts	Pipe OD	Part No.	
4" IPS Master	4.50" (114mm)	430701	
All inser 4" N	rts below re laster inse	equire rts	
3" IPS	3.50" (89mm)	410103	
2" IPS Master	2.38" (60mm)	410007	
All inserts below require 2" Master inserts			
1 1/2" IPS	1.90" (48mm)	207515	
1 1/4" IPS	1.66" (42mm)	207514	
1 1/2" CTS	1.63" (41mm)	207533	
1 1/4" CTS	1.38" (35mm)	207519	
1" IPS	1.32" (34mm)	207513	



McElroy Pit Bull[®] 26

Fusion capability for 2" IPS - 6" DIPS PIPE and 63mm - 180mm

> 15.4 inches long 19.7 inches wide 30.4 inches tall

Weight: 50 pounds

Inserts - Pit Bull® 26

Inserts	Pipe OD	Part No.
All inserts b jaws: 6" Dl		
6" IPS/DIPS Master	6.63" (168mm)	709307
6" IP	s below re S/180mm c S Master i	or
4" IPS /100mm JIS	4.50" (114mm)	809434
3" IPS	3.50" (89mm)	809323
2" IPS	2.38" (60mm)	809215



Butt Fusion Equipment





McElroy Pit Bull[®] 28

Fusion carriage, 8" IPS/DIPS Master inserts, heater, facer, and insulated heater stand. All Pit Bull carriages require 240V Hydraulic Power Unit (HPU), sold separately.

44 inches long 30 inches wide 23 inches tall Weight: 315 pounds



McElroy Rolling 28

Fusion capability for 2" IPS - 8" DIPS and 63mm - 225mm

65.5 inches long 38 inches wide 49.5 inches tall Weight: 575 pounds



Inserts - Rolling, PitBull, Dynamac & TracStar 28

Inserts	Pipe OD	4-Jaw Part Number		
All inserts below fi	t in machine jaws: 8"	DIPS (9.05"/230mm)		
8" IPS/DIPS Master	8.63" (219mm)	807203		
All inserts below require 8" IPS/DIPS Master inserts				
6" IPS Master	6.63" (168mm)	801510		
All inserts below require 6" IPS and 8" IPS/DIPS Master inserts				
4" IPS / 100mm JIS	4.50" (114mm)	809408		
3" IPS	3.50" (89mm)	809304		
2" IPS	2.38" (60mm)	809204		







McElroy TracStar® 412

Fusion capability for 4" IPS - 12" DIPS and 110mm - 340mm

Part No. AT 1223602 High Cylinder Force
97 inches long
53 inches wide
53 inches tall
Weight: 2,000 pounds

McElroy Rolling 412

Fusion capability for 4" IPS - 12" DIPS and 340mm - 315mm

85 inches long 49 inches wide 46 inches tall Weight: 1,225 pounds

Inserts - Rolling, Pit Bull®, Dynamac® & TracstarR® 412

Inserts	Pipe OD	4-Jaw Part No.		
All inserts below fit in	machine jaws: 12" Dll	PS (13.20"/335mm)		
12" IPS/DIPS Master	12.75" (324mm)	1203102		
All inserts below require 12" IPS/DIPS Master inserts				
10" IPS	10.75" (273mm)	1207204		
8" IPS	8.63" (219mm)	1207104		
6" IPS Master	6.63" (168mm)	1207007		
All inserts below require 6" IPS and 12" IPS/DIPS Master inserts				
4" IPS / 100mm JIS	4.50" (114mm)	809408		









McElroy Sidewinder® Fusion Machine

Fusion capacity up to 4" (110mm) Branch Saddles, Tapping Tees & Service Saddle fittings on for all main sizes.

Models	Chain Clamp	Compact Chain Clamp	Jaw Clamp	Compact
1500 PSI	ASW00110	ASW00120	ASW00130	ASW00140
1000 PSI	ASW00111	ASW00121	ASW00131	ASW00141
600 PSI	ASW00112	ASW00122	ASW00132	ASW00142
300 PSI	ASW00113	ASW00123	ASW00133	ASW00143
Weight	28 lbs (13 kg)	27 lbs (12 kg)	26 lbs (11.7 kg)	25 lbs (11 kg)
Length	12.5" (318mm)	12.5" (318mm)	7.75" (203mm)	7.75" (203mm)
Width	12.5" (318mm)	12.5" (318mm)	10.5" (267mm)	10.5" (267mm)
Height	26.5" (673mm)	21.4" (546mm)	28" (711mm)	23" (584mm)

Butt Fusion Equipment





McElroy Replacement Heater Plates

Part No.	Description
A215701	2" heater plate kit / Includes screws
A425201	4" heater plate kit / Includes screws
A707901	6" heater butt plate kit
A848706	8" heater plate kit / Includes screws
A1242108	12" heater butt plate kit / includes screws
A3617201	Heater butt plate kit



McElroy Replacement Facer Plates

Part No.	Description
205702	2" Facer blades / 1988 & newer
204802	2" Facer blades / 1988 & older
413702	4" Facer blades / Fits all with screws
710602	6" Facer blade set - 6 blade set
710604	6" Facer blade set - 4 blade set
T1208602	8" Facer blades / 2003 & newer
3615702	8" Facer blades / 2003 & older
846702	8" Facer blades / Pitbull / 2004 & older
3615703	12" Facer blades / 1997 & older
3615714	12" Facer blades / 1997 thru Oct 2003
T1208603	12" Facer blades / Oct 2003 & up
T1208610	Facer Blades, 6.12"L



McElroy DataLogger[®] 7

Part No. DLP0857716

- Record and document key parameters of the fusion process
- Upload data from the field via wireless network to the DataLogger Vault[™]
- Intuitive user interface with large touch screen buttons
- Tablet powered by Andriod features integrated camera, bar code scanner and GPS
- Multi-language support.

Butt Fusion Equipment





McElroy Pipe Support Stands

Height is adjustable to properly support, position and align pipe to be fused.

Maximum Load: 4"-20": 2,750 lbs. Maximum Load: 8"-36": 4,500 lbs.



McElroy Low Profile Rollers

- 4" IPS 20" OD (110mm - 500mm)
- 40 per case -Supports approx.
 1,000' (304m) of pipe.



McElroy Pyrometer

Part No. A218804

Used for checking surface temperatures of heaters. Contact or laser-guided models available.

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Footage C50 Manual

The C50 features a swing-out/lock-in bottom bar design, with oversqueeze protection provided by 4-sided, positive locking, indexable gauge plates. Aircraft grade aluminum squeeze bars, plated steel side shafts and a heat treated feed screw combine durability and function for years of trouble-free use. The C50 comes complete with our standard 5' grounding spike to ensure safety during the squeeze process.

Part No.	Range	Height	Width	Weight
C50-A2	1/2" CTS to 1-1/4" IPS	8.5″	8″	4.5 lbs

Footage C100 Manual

The C100 features 6-sided, positive locking indexable gauge plates, aircraft grade aluminum squeeze bars, chrome plated steel side shafts and a coated feed screw, reducing corrosion and friction.

This tool can be operated with the detachable torque bar or with a ratchet on the integral hex at the top of the feed screw. The unique swing-out/lock-in bottom bar design allows for quick and easy access to the pipe even in confined spaces, and the detachable stabilizing bar provides added stability during the squeeze process.

Part No.	Range	Height	Width	Weight
C100-B001	1/2" CTS to 2" IPS	12″	6.5″	9.5 lbs



Footage C132

The Model C132 Squeeze Off Tool is designed to squeeze 1/2" to 3/4" PE pipe. The C132 features a positive clamp style, with fixed gap squeeze settings to ensure that the gas line is completely closed off without damage. It's lightweight, compact size and many uses makes this tool a great addition to service line work. The C132 also includes a static electricity grounding spike to ensure safety during the squeeze process.

Part No.	Range	Height	Width	Weight
C100-B001	1/2" to 3/4"	2.5″	10"	1.5 lbs



Footage C156 Manual

Similar to the C100, the C156 features 6-sided, positive locking indexable gauge plates, aircraft grade aluminum squeeze bars, chrome plated steel side shafts and a coated feed screw, reducing corrosion and friction.

This tool can be operated with the detachable torque bar or with a ratchet on the integral hex at the top of the feed screw. The unique swing-out / lock-in bottom bar design allows for quick and easy access to the pipe even in confined spaces, and the detachable stabilizing bar provides added stability during the squeeze process.

Part No.	Range	Height	Width	Weight
C156-A004	1" IPS to 4" IPS	19.5″	10.5″	27 lbs





Footage C200 Manual Remote

This tool is constructed almost entirely of aircraft grade aluminum alloys, allowing for a lightweight, strong and versatile tool. The jaws flat bars with radiused edges provide center springs on either side of the jaws to ensure the pipe is properly aligned every time.

The C200 incorporates a collapsible fixed handle and a detachable rotating handle for ease of storage. The tool also features a rotating gauge plate, 5/8" hex drive for use in confined spaces, and a convenient carrying handle located at the balance point.

Part No.	Range	Height	Width	Weight
C200-A2	1/2"CTS to 1-1/4"IPS	5'	N/A	28 lbs



Footage C400 Manual Gear Operated

The C400 incorporates all the features of the manual models, plus a unique worm gear drive, providing superior power delivery for larger diameter pipes. This tool features 6-sided, positive locking, indexable gauge plates, aircraft grade aluminum squeeze bars, chrome plated steel side shafts and a coated feed screw, reducing corrosion and friction.

The unique swing-out/lock-in bottom bar design allows for quick and easy access to the pipe even in confined spaces, and the stabilizing bar provides added stability during the squeeze process.

Part No.	Range	Height	Width	Weight
C400-A3	2" IPS to 6" IPS	20"	13.5"	50 lbs

Footage C177 Hydraulic

The C177 features 6-sided, positive locking, indexable gauge plates, aircraft grade aluminum squeeze bars, and an easy access hydraulic connector for when the tool is in the pit.

The unique lock-in / swing-out bottom bar design allows for quick and easy access to the pipe, even in confined spaces, and the lock down bolts ensure that a squeeze is maintained even if the hydraulics are disconnected.

Part No.	Range	Height	Width	Weight
C177-A2	1" IPS to 4" IPS	19.5"	10.5"	42 lbs

*requires pump C148-28

C148-28 Squeeze Off Pump

Lightweight singe stange hydraulic hand pump c/w pressure gauge and 8' hose.





Squeeze-Off Tools • Polyethelene



Footage C600 Hydraulic

The C600 features 8-sided, positive locking, indexable gauge plates, a centering plate to ensure proper alignment, and upward pointing hydraulic connectors for easy access when the tool is in the pit.

Moveable carrying handles turn inward to decrease tool width for easy storage and working in con fined spaces. Locking pins allow the handles to be secured in the inward or outward position using dual plunger pins.

Part No.	Range	Height	Width	Weight
C6990-A002	2" IPS to 6" IPS	29"	19"	75 lbs

*requires pump C148-355



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Footage C850 Hydraulic

The C850 features 8-sided, positive locking, indexable gauge plates, a centering plate to ensure proper alignment, and upward pointing hydraulic connectors for easy access when the tool is in the pit.

Moveable carrying handles turn inward to decrease tool width for easy storage and working in confined spaces. Locking pins allow the handles to be secured in the inward or outward position using dual plunger pins.

Part No.	Range	Height	Width	Weight
C850-A1	4" IPS to 8" IPS	27" / 40"	22" / 26.5"	123 lbs

*requires pump C148-355 Custom gauge plates are available upon request.

C148-355 Squeeze Off Pump

Pump kit with controlled release valve, pressure gauge, and 8' hoses.







Footage C1200 Hydraulic

The model C1200 Hydraulic Squeeze Off Tool is designed tosqueeze 8 " to 12 " MDPE and HDPE pipe safely and effectively.

The C1200 features 8-sided, positive locking, indexable gauge plates, aircraft grade aluminum squeeze bars, chromeplated steel side shafts and a 10,000 PSI hydraulic system with quick connect fittings. This CNC machined tool contains no welded parts and exerts 150 tons of squeezing force.

Part No.	Range	Height	Width	Weight
C1200	8" IPS to 12" IPS	37-51"	34″	525 lbs

*requires pump C1200-25

C1200-25 Squeeze Off Pump

Air/Hydraulic pump kit, foot operated c/w controlled release valve, pressure gauge and 20' hoses.





The model C1600 Hydraulic Squeeze Off Tool is designed to squeeze 12" to 16" MDPE and HDPE pipe safely and effectively.

The C1600 features block stops for a variety of pipe sizes and SDR's, aircraft grade aluminum squeeze bars, chrome plated steel side shafts and a 10,000 PSI hydraulic system with quick connect fittings. This CNC machined tool contains no welded parts and exerts 261 tons of squeezing force.

Part No.	Range	Height	Width	Weight
C1600	12" IPS to 16" IPS	51.5″	70″	1300 lbs

*requires pump C812S-AK1

C812S-AK1 Squeeze Off Pump

Air/Hydraulic pump kit, lever operated c/w filter/lubricator.





Squeeze-Off Tools • Steel







Footage C165 Steel Hydraulic

Our new C165 Emergency Steel Squeeze Off Tool is designed to control steel anodeless riser breaks remotely, keeping the operator a safe distance from the damage point. When an emergency arises the C165 will help control gas leaks effectively, efficiently and safely. Safety is the primary goal of the C165.

Features include a three-position head that will pivot to 45° and 90°, telescopic handle that can extend from 7' to 14' keeping the operator a safe distance from the gas line break.

Part No.	Range	Height	Width	Weight
C165-AK2-KIT	3/4" IPS to 2" IPS	18"	7"	45 lbs



Footage C170 Steel Hydraulic

The model C170 Steel Squeeze Off Tool is designed to squeeze 1/2" to 2" pipe. The C170 Bottom swing out bar allows for easy installation on the pipe. Safety locking collar secures bars together once squeeze is complete. Bar profile with built in stops to prevent pipe cutting.

Single stage hydraulic hand pump provides 10,000 PSI in a lightweight and compact design.

Part No.	Range	Height	Width	Weight
C170-A2	1/2"IPS to 2"IPS	22"	7"	47 lbs

**requires pump C148-28*

C148-28 Squeeze Off Pump

Air/Hydraulic pump kit, foot operated c/w controlled release valve, pressure gauge and 20' hoses.



C148-165EG Squeeze Off Pump

Lightweight single stage hydraulic hand pump c/w pressure gauge lock out needle valve and 15' hose.









Footage C36S Steel Hydraulic

The model C36S Steel Squeeze Off Tool is designed to squeeze 3" to 6" pipe. The C36S features a Bottom swing out bars with positive safety latch. Dual-acting hydraulic cylinders for the more compact profile. Safety lock-down bolts to secure bars once squeeze is complete. Jaw profile will not cut or shear steel pipe.

Air over hydraulic pump kit. c/w Needle Valve, Pressure Gauge, Filter Regulator Lubricator and 20' Hoses.

Part No.	Range	Height	Width	Weight
C36S-A1	3"IPS to 6"IPS	31"	23"	260 lbs

*requires pump C1200-25

C1200-25 Squeeze Off Pump

Air/Hydraulic pump kit, foot operated c/w controlled release valve, pressure gauge and 20' hoses.





Footage C812S Steel Hydraulic

The model C812S Steel Squeeze Off Tool is designed to squeeze 8" to 12" pipe. The C812S features a Bottom swing out bars with positive safety latch. Dual-acting hydraulic cylinders for the more compact profile. Safety lock-down bolts to secure bars once squeeze is complete. Jaw profile will not cut or shear steel pipe.

Air over hydraulic pump kit. c/w Needle Valve, Pressure Gauge, Filter Regulator Lubricator and 20' Hoses.

Part No.	Range	Height	Width	Weight
C812S-A1	8"IPS to 12"IPS	43"	36"	920 lbs

*requires pump C812S-AK1

C812S-AK1 Squeeze Off Pump

Air/Hydraulic pump kit, lever operated c/w filter/lubricator.



Stopping 9

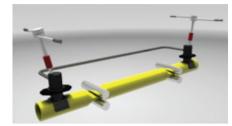
Line Stopping

ISCO[°]

MTD

The MTD Line Stopping System boasts extremely light weight for equipment of it's type, thanks in part to materials like Aluminum, Titanium and Stainless Steel. The entire assembled system on a 12" stop weighs less than 200 lbs.





Permanent repair with electrofusion fittings following an emergency squeeze-off.



Double-stop and abandonment after installing permanent bypass with POLYTAPP valves

Typically, line stopping is used for main relocations and permanent repair of sections of main that have been squeezed because of an emergency.

2" thru 4" Line Stopping for Steel Pipe

How it works:



Folded plugging head is inserted into pipe vertically, through a hot-tapped hole.



Folded plugging head is unfolded, in line with flow of gas.

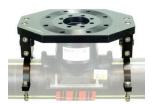


Opened plugging head is turned perpendicular to the main, like a butterfly valve, and the flow of product is stopped.

Line Stopping



MTD



Valve-to-fitting adapters include support arms which transfer stress away from the fitting and help re-round.



Aluminum valves include an internal bypass for equalizing pressure across valve prior to operating under pressure.



Universal line stopping fittings are manufactured by MTD, with integrated under-clamps. All MTD fittings are F2897 compliant and fuse at 40V through 4.7mm terminal pins.



Plugging machine housings include a 1/4" port for purge and a 2" port for temporary bypass between plugging machines.

MTD Line Stopping Kits

Line stopping machines are sold in kits. Everything needed to perform a single-position stop contained in a custom-fit rotomolded storage / transport case. All system parts are available individually. Consult your sales rep for more information.

Part No.	Description
STOPPE0304-SPK	3X4 Complete Line Stopping Kit
STOPPE0406-SPK	4X6 Complete Line Stopping Kit
STOPPE0608-SPK	6X8 Complete Line Stopping Kit
STOPPE0812-SPK	8X12 Complete Line Stopping Kit

MTD Line Stopping Fittings

Line stopping fittings are a specialized version of a branch saddle, with either a threaded outlet or 'Type II' flanged outlet. Each fitting includes a completion plug with O-ring and a body cap for final sealing prior to burial. All fittings are PE4710, DR11 rated, universal self-restraining electrofusion.

Part No.	Description
TRI1339	3X4 EF Line Stop Fitting
TRI1351	4X6 EF Line Stop Fitting
TRI1361	6X8 EF Line Stop Fitting
TRI1382	8X12 EF Line Stop Fitting

HOt

Hot Tapping

MTD

MTD Tapping Machines

The POLYTAPP system from MTD is an easy-to-use solution for hot tapping live gas and water mains. Each tapping machine is light weight and simple to operate. The patented POLYTAPP HDPE ball valve further simplifies the process.



POLYTAPP hot tap valves and saddles are available in 2", 4", 6", and 8" for size-on-size taps. Other saddles are also available for reduced-branch hot taps.

Accessory kits include an exclusive cutter and pilot design that retains shavings behind the coupon as well a tapping adapter, test cap and wrench.



Optional pneumatic drive and reduction gearbox are available for effortless operation.

Machine	Travel	Weight	Part No.
PE25	25"	3.22	TRI1082
PE37	37"	5.56	TRI1082-37
Valve	Part No.	Valve Clamp	Part No.
2" Nominal	TRI1090	2" Nominal	TRI11300
4" Nominal	TRI1100	4" Nominal	TRI113004
6" Nominal	TRI1110	6" Nominal	TRI113006
8" Nomnial	TRI1120	8" Nomnial	TRI113008
Accessory Kit	Part No.	Nominal Size	Diameter
2"	TRI1099	2"	1.50"
4"	TRI1109	4"	3.35"
6"	TRI1119	6"	4.72"
8"	TRI1129	8"	5.88"





MTD

Optional Accessories for PE Taps

The available reduction gearbox and pneumatic motor make the process of hot tapping a PE pipe semi-automated, reducing operator fatigue and making the already fast process even faster.

Part No.	Description
TRI1084	Reduction Gearbox for PE25/32/37
ST30-6000-0000	Angle-drive reversible air motor





Hot Tap Tools

- The most precise and economical way to tap through 2", 3", 4", or 6" branch saddles. This tool can be used with the 2LC, 2CU, Pit Bull® 14, or the 28CU fusion machines in combination with the Sidewinder™.
- Metric Hot Tap available in 63, 90, 110, 125, and 160mm.

Pipe Size	Medium Density (2406/2708)	High Density (3408/4710)
2" IPS	220002	220003
3" IPS	220106	220107
4" IPS	220206	220207
6" IPS	220302	220303



Sweetwater Trailers







Sweetwater Model CT2710C-LT-SL

Combo trailer with McElroy 3"-6" LineTamer[™], self-loading option

Width	Lengtl	n Height	Max Weight	Capacity	Empty Weight
8′	27′	10′	10,000 lbs	3,300 lbs.	6,300 lbs.
	Ν	lax. Outsid	e Dia: 125"		
COIL SIZ	ZES: N	/lin. Inside [Dia: 46″		
		lax. Width:	66″		

Sweetwater Model CT1143TT

Lazy Susan Coil Trailer with Hydraulic Turntable Brake & McElroy 2" LineTamer™

Width	Len	gth	Height	Max Weight	Capacity	Empty Weight
8′	12′	5"	7′ 4″	4,300 lbs	2,460 lbs.	1,840 lbs.
			x. Outside			
COIL SIZES:		Min. Inside Dia: 43 ½" Max. Width: 50"				
		ivia	x. width:	50		





Sweetwater Model CT2786C-LT

Combo trailer with McElroy 3"-6" LineTamer™, non self loading

Width	Leng	;th	Height	Max Weight	Capacity	Empty Weight
8′	27	,	8′ 4″	8,600 lbs	3,300 lbs.	5,300 lbs.
				e Dia: 125"		
COIL SIZES:		Min. Inside Dia: 46"				
		Max. Width: 66"				

Sweetwater Trailers



Sweetwater Model CT1135TT

Lazy Susan Coil Trailer with Optional Turntable Brake

Width	Leng	gth	Height	Max Weight	Capacity	Empty Weight
88″	13	11	7′ 4″	3,500 lbs	1,200 lbs.	800 lbs.
		Ма	x. Outside	e Dia: 80"		
COIL SIZES:		Mir	n. Inside D)ia: 45″		
		Ма	x. Width:	50"		



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Sweetwater Model ST4096

Stick Pipe Trailer

	Width	Length	Height	Max Weight	Capacity	Empty Weight
	8′ 5″	46′ 6"	7′ 4″	14,000 lbs	9,340 lbs.	4,650 lbs.
•	Drop Hauls	/hite Mod Foot Jack: 40' or les	700 lbs s pipe	• 37	20# at 80 ps 50# at 80 ps es - ST235/8	si

4 Racket straps

Sweetwater Model CT1986

Coil hauler

Width	Length	Height	Max Weight	Capacity	Empty Weight
96″	19"	8′ 4″	8,600 lbs	3,800 lbs.	4,800 lbs.

Eliminates the need for pipe laying equipment to leave the jobsite to reload. Needs only one man to transport coiled pipe, includes permanent winches and straps to secure coil while in transit. Easily transports 10' or 8' coils.







About ISCO Industries

Since 1962, ISCO Industries, a global total piping solutions provider headquartered in Louisville, Ky., has stocked and sold a wide variety of HDPE pipe and piping materials. ISCO offers custom piping fabrication to provide solutions for multiple applications such as: industrial, municipal, power, marine, nuclear, oil and gas, mining, waterworks, environmental, geothermal, golf, culvert-lining and landfill. The company also rents, services and sells McElroy fusion equipment. ISCO has more than 35 locations in North America – inventorying large stockpiles of HDPE pipe and piping products.

In 2019, ISCO acquired MT Deason known for providing customers with innovative and safe products for the gas distribution industry. For more information on ISCO, visit www.isco-pipe.com or call 1-800-345-ISCO.





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