

# FUSIONTECH AUSTRALIA

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## TOOLS



FUSIONTECH  
AUSTRALIA PTY LTD

08 81860269

[www.fusiontechaust.com.au](http://www.fusiontechaust.com.au)

# Top Loading Clamp

The Strap Clamp locates in the Hexagonal drive on the cutter of the tapping saddle and is especially useful where trench space is tight. The straps and 'easy-operating' strap clamps make adjustment for any size of pipe quick and efficient

(For saddles without an integral cutter, an Adaptor is available)

Product Code	Description	Size Range
TLOADCLAMPA	089-000432 - Top Load Clamp Strap Type	63-500mm
TLOADFOOT	089-000344 - Saddle Foot Adaptor	63-90-125mm
TLOAD280630	799350477 - 280-630mm Top Load Clamp	280-630mm
Product Code	Description	
CUTKEY10	Cutkey Small 10mm	
CUTKEY16	Cutkey Medium 16mm	
CUTKEY17	Cutkey Large 17mm	



Branch Saddle Adaptor



Cutter Drive Key



# FUSIONTECH

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## Pipe Cutters

### Secateur Pipe Cutters

A range of Secateurs from stock for cutting plastic pipes up to a max. of 63mm diameter.

### Guillotine Cutters

Quickly and accurately cut medium and high-density PE pipe and have been chosen for their robust, durable design. The Guillotines achieve a straight, square cut with minimal blade wear.

Product Code	Description	Size Range
PCH42	117-000190 - PE Pipe Cutter Heavy Duty, Ratchet Action	20-42mm
PCH63	117-000015 - PE Pipe Cutter Heavy Duty, Ratchet Action	20-63mm
PCVX125	117-000081 - VIRAX Guillotine Pipe Cutter	125mm (max)
PCVX225	117-000030 - VIRAX Guillotine Pipe Cutter	225mm (max)



Virax Guillotine

# Turbo 16mm-180mm Pipe Scraper

TURBO scrapers are designed to work in confined jobsite spaces, significantly reducing the scraping time. The rotating tool enables a quick and accurate scraping without imperfections. Thanks to the introduction of new models, the diameter range of Turbo is now extended up to 180mm. The metal models range from 16 to 63mm and they carry the two functions: pipe scraping and facing, while the models with diameter from 75 to 180 mm, made of techno-polymer, carry out the scraping function only. Each TURBO is equipped with an easily adjustable scraping depth selector, which enables an easy and precise blade positioning.

\*\*TURBOS are to be used with a cordless drill on low speed only.

Product Code	Description	Scraping Length	Weight
PTS16A	99890012 - Pipe Turbo Scraper 16mm	43mm	0.4kg
PTS20	99890000 - Pipe Turbo Scraper 20mm	45mm	0.4kg
PTS25	99890001 - Pipe Turbo Scraper 25mm	45mm	0.5kg
PTS32	99890002 - Pipe Turbo Scraper 32mm	45mm	0.6kg
PTS40	99890003 - Pipe Turbo Scraper 40mm	55mm	0.8kg
PTS50	99890004 - Pipe Turbo Scraper 50mm	55mm	1kg
PTS63	99890005 - Pipe Turbo Scraper 63mm	55mm	1.3kg
PTS75	99890069 - Pipe Turbo Scraper 75mm	90mm	0.9kg
PTS90	99890071 - Pipe Turbo Scraper 90mm	99mm	1kg
PTS110	99890072 - Pipe Turbo Scraper 110mm	100mm	1.2kg
PTS125	99890073 - Pipe Turbo Scraper 125mm	100mm	1.3kg
PTS160	99890077 - Pipe Turbo Scraper 160mm	125mm	1.7kg
PTS180	99890076 - Pipe Turbo Scraper 180mm	125mm	1.9kg



\*\*TURBO is patented by Ritmo.

## PrepMaster Multi: Mechanical Rotary Scraping Tool

Manually operated mechanical rotary scraping tool for removal of the outer surface of PE pipe. PrepMaster Multi scrapers incorporate a hardened blade and give a controlled depth of cut. Available for pipe sizes between 63 and 710mm.

Product Code	Description	Size Range
Uniprep 315	700-000247 - 63-315mm diameter pipe & tool box	63-315mm
Uniprep 400	700-000248 - 90-400mm diameter pipe & tool box	90-400mm
Uniprep 500	700-000249 - 110-500mm diameter pipe & tool box	110-500mm
Uniprep 710	700-000149 - 250-710mm diameter pipe	250-710mm
	*Replacement blades available	



Easy adjustment for differing pipe walls



PrepMaster Multi Diameter 250-710mm



Robust bronze knobs for "fast traverse" & blade positioning



PrepMaster Multi 63-315mm

# Rotary Peeler RS

This innovative Rotary Peeler RS is designed to use for universal peeling at the pipe end, for electrofusion couplings, tees and elbows and as well as for electrofusion saddles. Suitable for peeling of pipes made of PE 80, PE 100, PEX, PP

**+GF+**



d (mm)	Article	Code	SP	Weight (kg)
40	RS 40	790 136 001	1	2.340
50	RS 50	790 136 002	1	2.115
63	RS 63	790 136 003	1	2.090
75	RS 75	790 136 004	1	2.350
90	RS 90	790 136 005	1	2.460
110	RS 110	790 136 006	1	2.430
125	RS 125	790 136 007	1	3.895
140	RS 140	790 136 008	1	3.890
160	RS 160	790 136 009	1	3.790
180	RS 180	790 136 010	1	4.150
200	RS 200	790 136 011	1	3.995
225	RS 225	790 136 012	1	3.935
250	RS 250	790 136 013	1	5.575
280	RS 280	790 136 014	1	5.440
315	RS 315	790 136 015	1	5.380

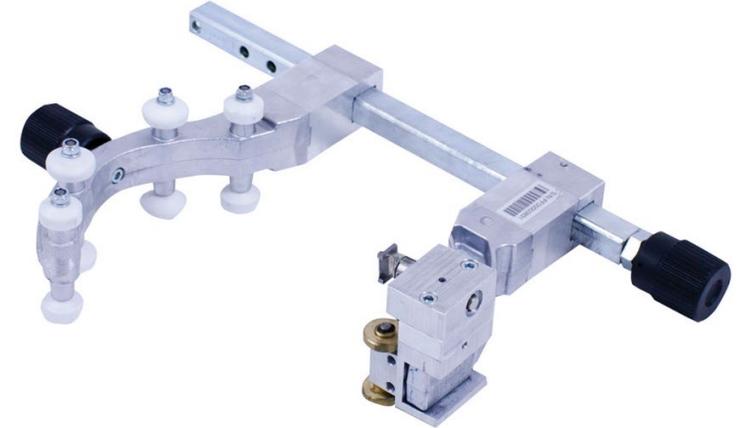
## Rotational Peeling Tool

The Rotational Peeler is the most flexible unit on the market for sizes DN20 – DN315 with the ability to peel pipe end for sockets and the middle of the pipe for saddle applications.

The engineered blade removes a consistent peel of oxidized pipe layer which is essential to a successful electrofusion weld.

### Features –

- Quick adjustment mechanism
- Peels both pipe end for sockets & also middle of the pipe for saddle applications
- Consistent and uniform peel of oxidized pipe layer depth due to engineered blade
- Allows for imperfections in the pipe due to spring loaded mechanism
- Faster and more efficient than hand scraping
- Ensures compliance with PIPA POP001 guideline



Product Code	Description
PSR20-63	20-63mm Rotational Pipe Scraper Tool
PSR63-125	63-125mm Rotational Pipe Scraper Tool
PSR90-315	90-315mm Rotational Pipe Scraper Tool



## External & Internal Debeaders

**External De-beading Tools** are used to remove the outer bead that is formed by the Butt Fusion process.

**Internal De-beading Tools** are used to remove the inner weld beads in PE pipes that are formed by the Butt Fusion process.



Internal Debeaders

Product Code	Description	Size Range
EXTDB125	External De-Breader 63-125mm	63-125mm
EXTDB400	External De-Breader 90-400mm	90-400mm
INTDB500	Internal De-Beader 90-500mm Kit	90-500mm



External Debeaders

## Squeeze Off Tools

These tools are used to limit the flow in PE pipe. Different diameters can be accommodated by using the appropriate 'Pipe stop' setting to ensure the optimum 'squeeze gap'.

Product Code	Description	Size Range
SQT32	089-000053 - 32mm Squeeze Off Unit	16-32mm
SQT63	089-000241 - 63mm Squeeze Off Unit	16-63mm
SQT125	089-000715 - 125mm Squeeze Off Unit	63-125mm
SQT200H	089-000522 - 200mm Squeeze Off Unit Hydraulic	63-200mm
SQT400H	SOU 400 Hydraulic Squeeze Off Tool c/w Electric Pump	250-400mm



SOU32  
(16 - 32mm dia.)



SOU63HF  
(20 - 63mm dia.)



SOU125 (63 - 125mm dia.)

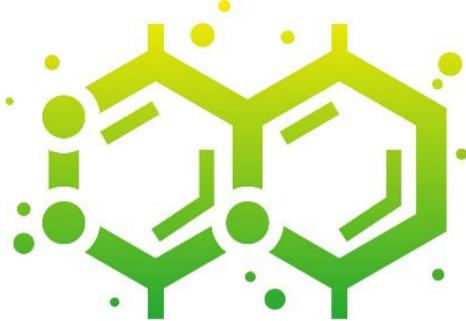


SOU180/SOU200



#### Kit Includes

- 2 Hydraulic Cylinders
- 4 Top Beam Assembly
- 4 Bottom Beam Assembly
- 1 Power Unit



## A-Frame Squeeze Off Tools

Pioneering 'A' Frame design that is extremely lightweight yet very robust for 'in-trench' conditions... the Frame folds and can be locked 'flat' for ease of carrying and transportation.

The principle of operation is that the squeeze is carried out, the Top and Bottom beams are then mechanically locked together and then the 'A' Frame is detached and used in conjunction with a second beam set. Using this concept all four squeeze points are accomplished using just one 'A' Frame assembly and one Power Unit.

The squeeze is carried out, the Top and Bottom beams are then mechanically locked together and then the hydraulic cylinders are 'unclipped' and used in conjunction with a second beam set. Using this concept... all four squeeze points are accomplished using just one pair of hydraulic cylinders. Available in two options... as shown, with a pneumatic input / hydraulic output power unit for easy and safe operation from a compressor, or with a hydraulic hand-pump in lieu of the power unit and 'spring return' hydraulic cylinder.

The Top Squeeze beam is fitted with 'Pipe Stops' to suit the diameter and wall thickness (SDR) of the pipe to be squeezed. These Pipe stops form a positive 'stop' between the Top and Bottom beams and hence optimise the squeeze gap in order to ensure the pipe is not over-squeezed.



SOU250 with pneumatic input / hydraulic output power unit



SOU250 with electrical input / hydraulic output power unit

## Re-Rounding Tools

A complete range of Re-rounding clamps for PE pipe ranging from 16mm to 710mm diameter. The clamps are designed for use on the pipe prior to electrofusion where ovality is present either due to manufacture or storage.



63mm Hinged Collar Type Re-rounding Tool

Product Code	Description
RRP63	63mm Hinged Collar Type Re-rounding Tool (089-000534)
RRP90	90mm Hinged Collar Type Re-rounding Tool (089-000536)
RRP110	110mm Hinged Collar Type Re-rounding Tool (089-000537)
RRP125	125mm Hinged Collar Type Re-rounding Tool (089-000538)
	** Other sizes available on request

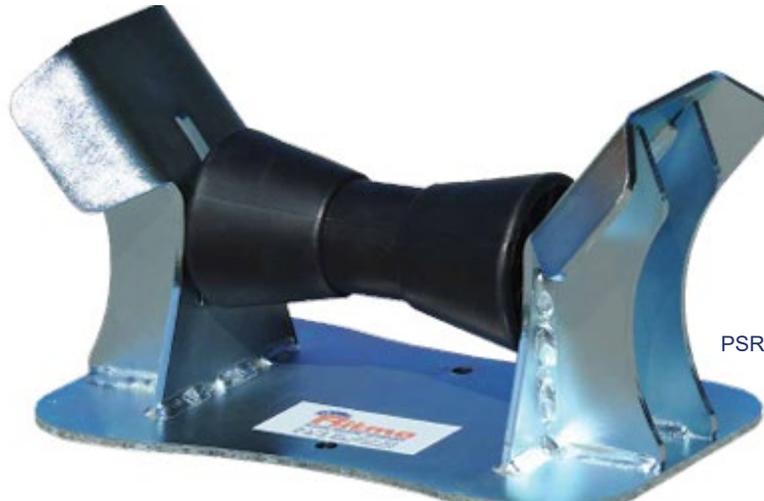
## Pipe Rollers

This device is essential for supporting the pipes while they are being welded with the butt fusion machines. The roller minimizes pipe friction and drag force independently of the jobsite conditions.

Product Code	Description
PSROLL315	Pipe Support Roller 63-315mm Each
PSROLL355	Pipe Support Roller 63-355mm Each
PSROLL400	Pipe Support Roller 63-400mm Each



Pipe Roller 63-315mm Fixed Height



PSROLL355



Pipe Roller 63-400mm

# Uni-Clamps

Brand new range of precision engineered clamps designed to be tough, strong, rigid and amongst the most accurate clamps available! Manufactured using the latest water-jetting techniques, the clamps have a 'feel of quality'... more importantly they remain 'rigid' even under arduous pipe/site conditions where lesser clamps would defect and lose accuracy of alignment.

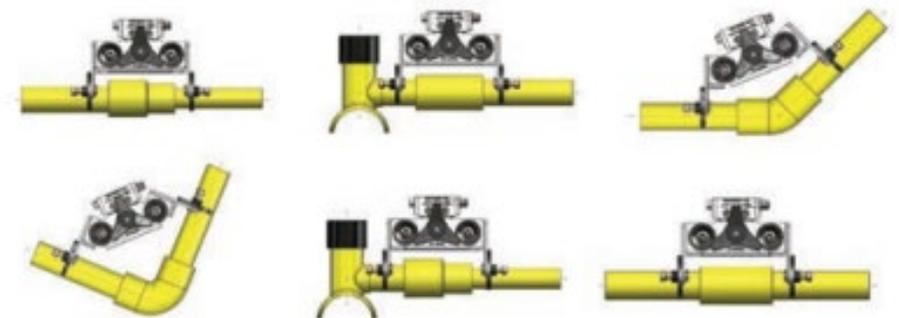
Product Code	Description	Size Range
UNISMALL	089-000737 - 20-40 Uni-Clamp	20-40mm
UNILARGE	089-000735 - 16-63 Uni-Clamp	16-63mm



EFRAC 20-40 Uni-Clamp



EFRAC 16-63 Uni-Clamp



# Alignment Clamps

## EFRAC 180 Standard and Deluxe Kits; Restraining and Alignment Clamp

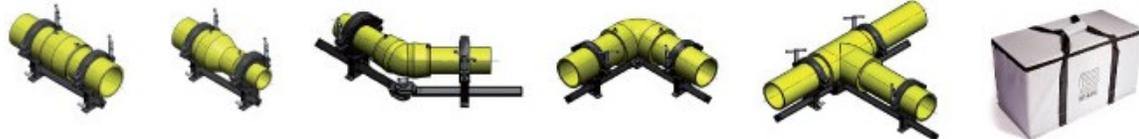
Extremely rigid and powerful Clamp available in two Kit options and with the option of additional accessories. **New...** 'Click-tight' liners for quick and easy adjustment for different pipe diameters... screws and allen keys are not required!

The standard Clamp caters for straight and reducing fittings, whilst the Deluxe Clamp can also handle elbows. Both kits come in a tough carry-bag and have the option of additional size liners and a 90° arm attachment to enable the use of a third clamp ring for welding 90° equal tees.

\*Table showing all 'click-tight' liners available – note other size liners are available on request:

Product Code	Description	Size Diameter Range
EFRACS180	089-000302 Kit – Standard, complete with straight bar, standard liners and bag	63, 90, 125 & 180mm
EFRACD180	089-000345 Kit – Deluxe, complete with knuckled bar, standard liners and bag	63, 90, 125 & 180mm
EFRAC180T	089-000305 - 180 90deg tee adaptor clamp	63, 90, 125 & 180mm

Product Code	Description
EFRACL63	604-000005 63mm Liner, each (4 required)
EFRACL75	604-000009 75mm Liner, each (4 required)
EFRACL90	604-000004 90mm Liner, each (4 required)
EFRACL110	604-000006 110mm Liner, each (4 required)
EFRACL125	604-000003 125mm Liner, each (4 required)
EFRACL140	604-000007 140mm Liner, each (4 required)
EFRACL160	604-000008 160mm Liner, each (4 required)



*\*Deluxe Kit*



*\*Tee Adaptor*



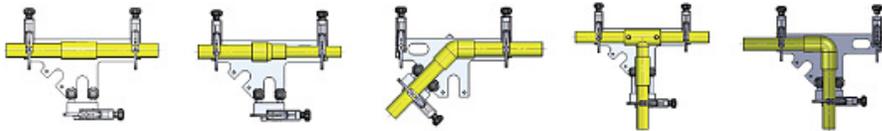
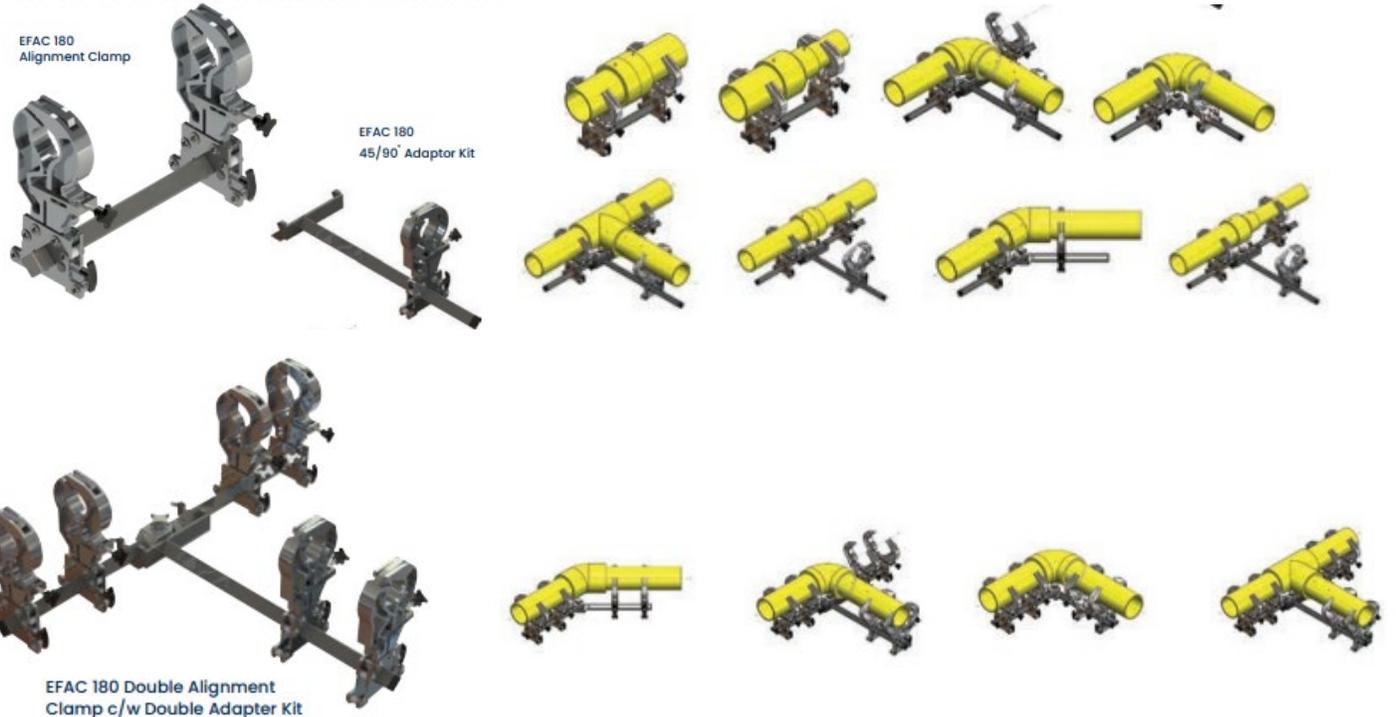
Product Code	Description	Size Range
EFRAC250	089-000657 EFRAC 250 Alignment Clamp	180-250mm*
EFRACL250	604-000078 Liner 250/180 (4 required)	
EFRAC315	089-000681 EFRAC 315 Alignment Clamp	250-315mm*
EFRACL315	604-000082 Liner 315/250 (4 required)	
	*Liners Required	



# Electrofusion Alignment Clamps

The Hy-Ram range of Electrofusion Alignment Clamps. The clamps are easy to use, and their robust construction has made them favourites among both specifiers and field operatives. When launched, the EFAC63 and EFAC180 Service and Mains Clamps were unique in design, requiring no liners for any combination of pipe sizes within the clamp range... whilst also maintaining the centre-line. This lightweight design, represented a major step forward in clamping technology with no 'loose-pieces' to lose and a quick and easy assembly around the pipe

Product Code	Description	Size Range
EFAC63	089-000050 - 63mm Alignment Clamp Single	16-63mm
EFAC63CK	089-000166 - 63mm 45/90° Alignment Clamp Complete	16-63mm
EFAC180	089-000048 - 180mm Alignment Clamp Single	63-180mm
EFAC180AK	089-000049 - 45/90° Adaptor Kit for EFAC180	63-180mm
EFAC180DBL	089-000686 - 180mm 'Double' Alignment Clamp c/w 'Double' Adaptor Kit	63-180mm



EFAC63 Standard Alignment Clamp

EFAC63 45/90° Alignment Clamp

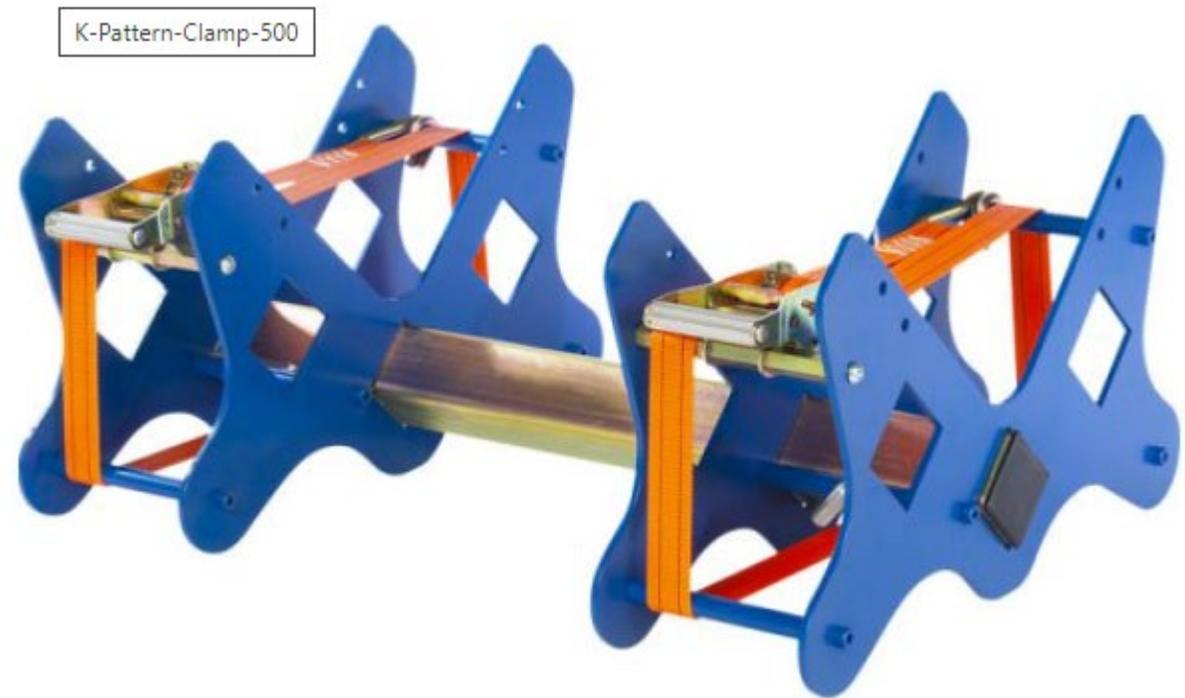
# Positioning Clamp

The K Pattern Clamp 500 is a lightweight, fast set up clamp that will hold pipe securely in position during the weld process for pipe sizes 125-500mm. The K Pattern Clamp is robust and compact, featuring a simple strap design

## Features

- Pipe range 125-500mm Ø
- Simple to use webbing strap design
- Compact design
- Fast acting “tug and tension” straps
- Available with angle maker base
- No liners required

Order Code: **SCLAMP125-500** (089-000581)



## ELEKTRA LIGHT

ELEKTRA LIGHT is the universal electrofusion machine, suitable for welding pipe/fittings for the transport of gas, water and for welding fire sprinkler system (PE, PP, PP-R couplings from 8 to 48 V).

The Elektra Light machine is made in compliance with international standards. This is welding machine's structure is light weight, so it is extremely easy to carry around.

Composed of:

machine body, an in-built memory with 325 welding cycles, featuring the possibility of transferring data to a Pc/Laptop, report in PDF file.

The Elektra Light EF Welder can weld EF fittings from 20 – 125mm. 140mm and 160mm couplers can be welded by allowing the machine to cool down between operations.



\* Working range might vary according to fittings brand. Check with the fitting manufacturer the power and the welding time required.

\*\* Power at 60% Duty Cycle



### STANDARD COMPOSITION



Universal connectors 90°

Laser scanner

Manual scraper

### ON REQUEST



Software Ritmo Transfer

Adapter DB9M-USB



Order Code: Elektra Lite

## ELEKTRA S, M & XL

Product Code	Description	Size Range
Elektra S	Elektra S EF Welder Complete Kit	20-200mm
Elektra M	Elektra M EF Welder Complete Kit	20-315mm
Elektra XL	Elektra XL EF Welder Complete Kit	20-1600mm

### ELEKTRA M

ELEKTRA M is a universal electrofusion machine characterized by high performance and reduced weight.

The welding machine has been designed to weld EF fittings up to OD 315\* mm (230 V version) for PE, PP, PP-R high pressure pipelines.

#### Provided with:

- High resistance techno-polymer shell
- "Defender" protection system against dust and rain complete of removable filter
- Lifting handle and cable wrapping
- In-built memory of 4000 welding report
- Possibility to download the welding report thanks to the USB port in PDF, CSV, BIN format.
- 2,4" LCD Graphic display
- Intuitive control panel with the possibility to customize the menu with 20 different languages
- 90° universal connectors 4.0-4.7mm, no need of adapters
- Laser scanner to read the EF fitting barcode and to set automatically the welding parameters according to the ISO 13950. The laser technology of the scanner enhances the reading quality in case of severe light reflections or contrasts. It is also possible to enter manually both the welding parameters (Voltage/Time) and the welding barcode digits.
- Traceability: ISO 12176-3 Operator traceability; ISO 12176-4 Fitting/ pipe traceability



### ELEKTRA XL

ELEKTRA XL is an universal electrofusion machine characterized by high performance and reduced weight.

The welding machine has been designed to weld EF fittings up to OD 1600\* mm for PE, PP, PP-R high pressure pipelines.

#### Provided with:

- High resistance techno-polymer shell
- "Defender" protection system against dust and rain complete of removable filter
- Lifting handle and cable wrapping
- In-built memory of 4000 welding report
- Possibility to download the welding report thanks to the USB port in PDF, CSV, BIN format.
- 2,4" LCD Graphic display
- Intuitive control panel with the possibility to customize the menu with 20 different languages
- 90° universal connectors 4.0-4.7mm, no need of adapters
- Laser scanner to read the EF fitting barcode and to set automatically the welding parameters according to the ISO 13950. The laser technology of the scanner enhances the reading quality in case of severe light reflections or contrasts. It is also possible to enter manually both the welding parameters (Voltage/Time) and the welding barcode digits.
- Traceability: ISO 12176-3 Operator traceability; ISO 12176-4 Fitting/ pipe traceability



# MSA 125 Automatic Electrofusion Unit

The MSA 125 automatic electro fusion unit combines light weight and compact design, for installers who need to weld fittings up to diameter 125mm (160mm if ELGEF), in building technology and gas/water distribution applications. The unit is extremely simple to use, with a few basic operations required to operator: connect, confirm, scan, and start the fusion. It is robust, safe and ergonomic. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time. The unit has 350 fusion protocols permanently stored in the internal memory. The user can copy the fusion reports in an USB stick to print them out in PDF format. **Scope of delivery includes:** 1 pair of angle adapter clips 4.0 mm, operating instructions and robust transport case

## Technical Data:

- Operating temperature: -10°C to 45°C
- Fusion data input mode: bar code, manual
- Mains voltage: 230V (205V - 255V)
- Mains frequency: 50-60 Hz
- Welding technique: Voltage controlled
- Fusion voltage: 8-42 V
- Fusion current: 50 A (max)
- Internal memory capacity: 350 protocols
- Fittings range: d20-125 mm (ELGEF up to d160)
- Protocols format: PDF, CSV
- USB Port: Type A
- Protection factor: Class 1 / IP 54
- Fusion cable: 3 m • Mains cable: 4 m
- Weight: 13 kg
- Display: Graphical LCD, adjustable contrast
- Languages support: English, Italian, Chinese and French

## MSA 125



**+GF+**

	Type	Code	Weight (kg)
Manual mode version		790 160 040	12.000
Barcode (scanner) and manual mode version		790 160 042	15.000

**Order Code: MSA1.25** (790160042)

# MSA 2.1 Automatic Electrofusion Unit

The MSA 2.1 automatic electro fusion unit combines light weight and high efficiency, thanks to its inverter technology and furthermore provides fusion documentation in PDF. The unit is extremely fast and simple, with three basic operations required to operator: connect, scan, start the fusion. It is robust, safe and ergonomic. All is meant to simplify the job: the barcode scanner, for long distance reading, the cooling system to joint in series, the icon system, to keep the interaction between user and machine intuitive. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time. The internal Bluetooth Low Energy device offers the possibility to enter data, monitor the fusion from remote and collect the data recorded via wireless with consumer smartphones, to send them to the headquarter even in real time. The unit has 1000 protocols permanently stored in the internal memory. The user can copy the fusion reports in an USB stick to print them out in PDF format.

**Scope of delivery includes:** transport box, angle adapters (4.0 mm and 4.7 mm), operating instructions, START/STOP badge and USB memory stick with PC applications.

## Technical Data:

- Operating temperature: -20°C to +50°C
- Mains voltage and frequency: 230V (190V - 265V), 50-60Hz
- Fusion voltage: 8-42 V (48 V)
- Fusion data input mode: bar code, manual
- Fusion current: 90 A (max)
- Suggested power generators: 3.5 kVA
- USB Port: Type A
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m / Fusion cable: 4 m
- Weight: ca. 11.9 kg
- Display: Graphical LCD, adjustable contrast
- Independent from languages



**+GF+**

Order Code: MSA 2.1 (790156003)

# MUSTANG 160 v2 Low pressure/drainage

This electrofusion machine is suitable for welding electrofusion fittings in HDPE from Ø 32 to Ø 160 mm (1" IPS ÷ 5" IPS, for low pressure conduits (Vulcathene-Eurofusion, Akatherm, Geberit, Valsir, Coes, Waviduo). MUSTANG 160 V2 automatically detects connection to the fitting to be welded and compensates current supplied according to ambient temperature. It is also capable of detecting any malfunction that could occur before or during welding procedures. MUSTANG 160 V2 is made in compliance with the current safety standards and Directives, and the structure is light weight which makes it extremely easy to carry around.

#### SUPPLIED WITH

- Welding machine complete with welding cable with 90 ° connectors, fixing carabiner, plastic carrying case and manual scraper
- transport case and manual scraper.



#### TECHNICAL FEATURES

Working range	32 ÷ 160 mm; 1" IPS ÷ 5" IPS
Materials	HDPE
Power supply	230 V Single Phase 50/60 Hz
Max. absorbed power	1000 W
Max. output current	5 A (230 V)
Outside temperature range	- 10° ÷ 45° C (14° ÷ 113° F)
Ambient temperature probe	Electronic
Protection degree	IP 54
Weight machine body	1Kg (2.2 lb)
Weight with carrying case	3,5 Kg (7.7 lb)
Dimensions machine body	65 x 185 x 46 mmmm; 2.5" x 7.2" x 1.8"
Dimensions carrying case	400 x 330 x 160 mm; 15.7" x 13" x 6.2"

**Order Code: MUST160V2**

## UNIVERSAL 315 v1 Low pressure/drainage

Electrofusion welding machine: PP-R from Ø 20 mm\*\* (optional cables)

- Graphic display
- Auto recognition of fittings
- Memory with 350 welding reports
- Report in PDF File
- Serial/USB connector (optional)
- Self-compensation of the current supplied (according to the ambient temperature)
- Transport case
- Firmware upgradable via USB

### STANDARD COMPOSITION

- carrying suitcase
- welding cables (A00, A00+, A01, A02, A04)
- welding extension cable
- manual scraper
- shoulder belt

### ON REQUEST

- serial/USB adapter (welding data transfer)
- welding cable (A05)
- Printer



** WELDING CABLES	
STANDARD CABLES	A00 YELLOW 32 ÷ 160 mm (1" IPS ÷ 5" IPS) Coes, Akatherm, Eurofusion, Geberit, Valsir, Wavin Vulcathene
	A00+ BLACK 200 ÷ 315mm (6" DIPS ÷ 10" DIPS) Wavin (Waviduo)
	A01 BLUE 200 ÷ 315mm (6" DIPS ÷ 10" DIPS) Akatherm, Valsir, Eurofusion
	A02 RED 200 ÷ 315mm (6" DIPS ÷ 10" DIPS) Geberit
	A04 WHITE 200 ÷ 315mm (6" DIPS ÷ 10" DIPS) Coes (Coestilen)
OPTIONAL CABLE	
	A05 BROWN 20 ÷ 63mm (½" IPS ÷ 2" IPS) (PP-R) Coes (Coestherm - not 8÷48 V)

Order Code: UNIV315V1



### TECHNICAL FEATURES

Working range	20** ÷ 315 mm; ½" IPS ÷ 10" DIPS
Power supply	230 V Single Phase 50/60 Hz 110 V Single Phase 50/60 Hz
Max. absorbed power	2470 W (230 V) 2700 (110 V)
Outside temperature range	-10° ÷ 45° C ( 14° ÷ 113° F)
Temperature compensation	Automatic Electronic
Protection degree	IP 54
Weight machine body	3,4 Kg (7.5 lb) (230 V) 19 Kg (41.8 lb) (110 V)
Weight with carrying case	7,2 Kg (15.9 lb)
Dimensions machine body	255 x 180 x 110mm; 10" x 7.1" x 4.3" (230 V) 330 x 270 x 220mm; 13" x 10.6" x 8.6" (110V)
Dimensions carrying case	220 x 450 x 180mm; 8.7" x 17.7" x 7.1" (230V) 410 x 290 x 485mm; 16.1" x 11.4" x 19.1" (110V)