PRODUCT CATALOGUE

RITMO

ELECTROFUSION WELDERS

Global Water Group (GWG)

Company Overview

Global Water Group (GWG) is a leading Australian supplier and solutions provider in the fluid movement and water services industry, with over 40 years of experience supporting projects across mining, civil, agriculture, aquaculture, and associated sectors. We pride ourselves on delivering high quality, custom products and services that meet the unique needs of our customers and the demanding conditions of the Australian market.

At GWG, quality is at the heart of everything we do, from design and raw material sourcing through to manufacturing, fabrication, distribution, and delivery. Our extensive product range includes polyethylene (PE) pipe spigot fittings, electrofusion fittings, valves, flanges, pipe systems, PE welding equipment, and specialised fabricated items, all designed to meet strict Australian and international standards.

Our team brings deep industry expertise and technical know-how to every project. We work closely with clients to provide tailored solutions, technical assistance, seamless supply logistics, installation support, and ongoing after sales service, ensuring the right solution for the right application every time.

GWG operates from strategically located, fully stocked warehouses along the Australian eastern seaboard, enabling us to support customers nationwide with fast turnaround times and reliable delivery. Our head office is located at our modern and efficient Brisbane facility, while our Townsville site includes a state of the art fabrication workshop staffed by certified welders capable of producing custom manifolds and complex polyethylene assemblies.

Through our commitment to quality, continuous improvement, and exceptional service, GWG has built a strong reputation as a trusted partner in water infrastructure and fluid movement solutions delivering value, reliability, and performance across every engagement.

"Together, we move water"



About This Catalogue

This catalogue has been produced by Global Water Group (GWG) to provide an overview of the Ritmo electrofusion welder range, for which GWG is a trusted Ritmo distributor. Welding cables, scrapers and other accessories are also available.

Measurements

All dimensions in this catalogue are shown in millimetres (mm) and weights in kilograms (kg) unless otherwise stated. Measurements and specifications are provided as a guide only and are subject to change without notice. For confirmation or further information, please contact our sales team.

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Drainage

Electrofusion welding machines for drainage systems

PE WELDING EQUIPMENT · ELECTROFUSION

Ritmo MUSTANG 160 V2 Electrofusion Machine

Compact, lightweight electrofusion unit for welding HDPE electrofusion fittings from Ø32 to Ø160 mm (1" IPS – 5" IPS) on low pressure conduits.



Ø32 – Ø160 MM | 230 V · 1000 W | IP 54 | 1 KG BODY

FEATURES

- Automatically detects connection to the fitting being welded
- Compensates supplied current according to ambient temperature
- Detects malfunctions before or during the welding procedure
- Lightweight structure — extremely easy to carry on site
- Made in compliance with current safety standards and Directives

STANDARD COMPOSITION

- Welding machine
- Welding cable with 90° connectors
- Fixing carabiner
- Plastic carrying case
- Manual scraper

TECHNICAL FEATURES

Parameter	Value
Working range	Ø32 – Ø160 mm
Materials	PE
Power supply	230 V single phase 50/60 Hz
Max. absorbed power	1000 W
Max. output current	5 A
Outside temperature range	-10 °C – 45 °C
Ambient temperature probe	Electronic
Protection degree	IP 54
Weight machine body (without accessories)	1 kg
Weight with carrying case	3.45 kg
Dimensions machine body	65 × 185 × 46 mm
Dimensions carrying case	400 × 330 × 160 mm



MUSTANG 160 V2 with welding cable and 90° connectors.

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PE WELDING EQUIPMENT · ELECTROFUSION

Ritmo UNIVERSAL 315 V1 Electrofusion Machine

Electrofusion welding machine with graphic display, automatic fitting recognition and on-board weld report memory. Ø20** to Ø315 mm, ½" IPS to 10" DIPS.

Ø20** – Ø315 MM | 230 V · 2470 W | 350 WELD REPORTS | IP 54



FEATURES

- Graphic display
- Auto recognition of fittings
- Memory with 350 welding reports
- Report in PDF file
- Serial/USB connector (optional)
- Self-compensation of supplied current to ambient temperature
- Firmware upgradable via USB
- PP-R from Ø20 mm** with optional cable

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

Cable	Range	Compatible fitting brands
Standard cables		
A00	Ø32 – Ø160 mm (1" IPS – 5" IPS)	Coes, Akatherm, Eurofusion, Geberit, Valsir, Wavin Vulcathene
A00+	Ø200 – Ø315 mm (6" DIPS – 10" DIPS)	Wavin (Waviduo)
A01	Ø200 – Ø315 mm (6" DIPS – 10" DIPS)	Akatherm, Valsir, Eurofusion
A02	Ø200 – Ø315 mm (6" DIPS – 10" DIPS)	Geberit
A04	Ø200 – Ø315 mm (6" DIPS – 10" DIPS)	Coes (Coestilen)
Optional cable		
A05	Ø20 – Ø63 mm (½" IPS – 2" IPS) PP-R	Coes (Coestherm — not 8 – 48 V)

TECHNICAL FEATURES

Parameter	Value
Working range	Ø20** – Ø315 mm · ½" IPS – 10" DIPS
Power supply	230 V single phase 50/60 Hz
Max. absorbed power	2470 W
Outside temperature range	-10 °C – 45 °C (14 °F – 113 °F)
Temperature compensation	Automatic, electronic
Protection degree	IP 54
Weight machine body	3.4 kg (7.5 lb)
Weight with carrying case	7.2 kg (15.9 lb)
Dimensions machine body	255 × 180 × 110 mm
Dimensions carrying case	220 × 450 × 180 mm

** Ø20 – Ø63 mm PP-R requires optional cable A05.



Supply and packaging

Supplied in an aluminium carrying suitcase with welding cables, extension cable, manual scraper and shoulder belt. Serial/USB adapter, A05 cable and printer available on request.

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Pressure

Electrofusion welding machines for pressure pipelines

ELECTROFUSION WELDING MACHINE

ELEKTRA LIGHT

Universal Electrofusion Welding Machine



Light-weight, easy-to-carry electrofusion machine for HDPE, PP and PP-R couplings, suited to gas, water and fire sprinkler system pipework, with in-built memory and PDF report transfer to PC/Laptop.

- Range 20–125/160mm
- Materials HDPE, PP, PP-R
- Output 8–48V
- Supply 230V
- Weight ~7kg
- Protection IP 54

IN THIS DATA SHEET

01 Overview & Standard Composition
02 Technical Specifications
03 Electrofusion Accessories

Global Water Group is an authorised Ritmo distributor for plastic welding equipment in Australia.

SECTION 01

Overview

ELEKTRA LIGHT is a universal electrofusion machine suitable for welding pipe and fittings for the transport of gas and water, and for welding fire sprinkler systems, with HDPE, PP and PP-R couplings from 8 to 48V. It is made in compliance with international standards, and its light-weight structure makes it extremely easy to carry around.

KEY FEATURES

- Light-weight structure, extremely easy to carry around
- Suitable for gas, water and fire sprinkler system pipework
- HDPE, PP and PP-R couplings, welding output 8–48V
- Made in compliance with international standards
- In-built memory of 325 welding cycles
- Welding reports saved as PDF file
- Data transfer to PC/Laptop via DB9M–USB adapter
- Control menu available in 19 languages

STANDARD COMPOSITION



90° Universal Connectors



Laser Scanner



Manual Scraper

ON REQUEST



DB9M–USB Adapter



Ritmo Transfer Software

SECTION 02

Technical Specifications

Model	**ELEKTRA LIGHT**
Working range *	20–125/160mm; ½" IPS – 4"/6" IPS
Materials	HDPE, PP, PP-R
Welding output voltage	8–48V
Power supply	230V Single Phase 50/60Hz
Absorbed power **	1300W
Max. output current	60A
60% Duty Cycle output	23A
Memory capacity	325 welding reports
Protection degree	IP 54
Languages	19
Dimensions, machine body	200 × 250 × 210mm; 7.9" × 9.8" × 8.3"
Weight, machine body	~7kg (15.4lb)
Recommended generator	3.5–4 kVA

* Working range might vary according to fittings brand. Check with the fitting manufacturer the power and welding time required. ** Power at 60% duty cycle.



SECTION 03

Electrofusion Accessories

Ritmo electrofusion — the complete system around your construction site.



Aligners

Up to Ø500mm



Pipe Scrapers

Up to Ø710mm



Shears

Up to Ø75mm



Pipe Cutter

Up to Ø315mm



Squeezers

Up to Ø200mm



Rerounders

Up to Ø800mm



Pipe Support

Up to Ø400mm



Bevelers

Up to Ø315mm

Talk to GWG about your welding equipment

Global Water Group is your trusted Ritmo distributor for PE welding solutions.

ELECTROFUSION WELDING MACHINE

ELEKTRA S

Universal Electrofusion Welding Machine



High-performance, reduced-weight electrofusion machine for PE, PP and PP-R fittings, with laser barcode reading to ISO 13950 and full ISO 12176 weld traceability.

- Range 20–200mm
- Materials PE, PP, PP-R
- Output 8–48V
- Supply 230V
- Weight 5.75kg
- Protection IP 54

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Global Water Group is an authorised Ritmo distributor for plastic welding equipment in Australia.

SECTION 01

Overview

ELEKTRA S is a universal electrofusion machine characterised by high performance and reduced weight. Running on a 230V single-phase supply, it is designed to weld EF fittings up to OD 200mm for PE, PP and PP-R high pressure pipelines, across a welding output range of 8–48V.

KEY FEATURES

- High resistance technopolymer shell
- Lifting handle and cable wrapping
- Welding report download via USB — PDF, CSV, BIN format
- 2.4" LCD graphic display
- 90° universal connectors 4.0–4.7mm — no adapters needed
- Manual entry of welding parameters (voltage/time) & barcode digits
- "Defender" protection against dust & rain
- In-built memory of 4000 welding reports
- USB port also upgrades firmware & drives an ESC-POS printer
- Intuitive control panel, customisable menu in 20 languages
- Laser barcode scanner, sets parameters to ISO 13950 automatically
- Traceability to ISO 12176-3 (operator) & ISO 12176-4 (fitting/pipe)

In-built GPS device available on request.

STANDARD COMPOSITION



90° Universal Connectors 4.0–4.7mm



Laser Scanner



Manual Scraper



Carrying Case



ON REQUEST
Ritmo Transfer Software

SECTION 02

Technical Specifications

Model	**ELEKTRA S**
Working range *	20–200mm (230V*)
Materials	PE, PP, PP-R
Welding output voltage	8–48V
Power supply	230V ±15% Single Phase 50/60Hz
Absorbed power **	1800W (230V)
Max. output current	70A (230V)
60% Duty Cycle output (ISO 12176-2)	45A
Operating mode	ISO 13950 welding barcode · Manual (barcode digits, tension/time)
Connections	USB port for the pen drive and for the ESC-POS printer
Memory	4000 welding reports
Ambient temperature	-20° to 50°C
T° probe precision	±1°C
Traceability	ISO 12176-3 · ISO 12176-4
Protection degree	IP 54
Languages	20
Dimensions, machine body	246 × 390 × 240mm
Dimensions, carrying case	290 × 445 × 295mm
Weight, machine body	5.75kg
Weight, body + cables + scanner	8.4kg
Recommended generator	3.5–4 kVA

* Working range might vary according to fittings brand. Check with the fitting manufacturer the power and welding time required. ** Power at 60% duty cycle.



SECTION 03

Electrofusion Accessories

Ritmo electrofusion — the complete system around your construction site.



Aligners

Up to Ø500mm



Pipe Scrapers

Up to Ø710mm



Shears

Up to Ø75mm



Pipe Cutter

Up to Ø315mm



Squeezers

Up to Ø200mm



Rerounders

Up to Ø800mm



Pipe Support

Up to Ø400mm



Bevelers

Up to Ø315mm

Talk to GWG about your welding equipment

Global Water Group is your trusted Ritmo distributor for PE welding solutions.

ELECTROFUSION WELDING MACHINE

ELEKTRA M

Universal Electrofusion Welding Machine

High-performance, reduced-weight electrofusion machine for PE, PP and PP-R fittings, with laser barcode reading to ISO 13950 and full ISO 12176 weld traceability.



- Range 20–315mm
- Materials PE, PP, PP-R
- Output 8–48V
- Supply 230V
- Weight 6.55kg
- Protection IP 54

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Global Water Group is an authorised Ritmo distributor for plastic welding equipment in Australia.

SECTION 01

Overview

ELEKTRA M is a universal electrofusion machine characterised by high performance and reduced weight. Running on a 230V single-phase supply, it is designed to weld EF fittings up to OD 315mm for PE, PP and PP-R high pressure pipelines, across a welding output range of 8–48V.

KEY FEATURES

- High resistance technopolymer shell
- "Defender" protection against dust & rain, with removable filter
- Lifting handle and cable wrapping
- In-built memory of 4000 welding reports
- Welding report download via USB — PDF, CSV, BIN format
- USB port also upgrades firmware & drives an ESC-POS printer
- 2.4" LCD graphic display
- Intuitive control panel, customisable menu in 20 languages
- 90° universal connectors 4.0–4.7mm — no adapters needed
- Laser barcode scanner, sets parameters to ISO 13950 automatically
- Manual entry of welding parameters (voltage/time) & barcode digits
- Traceability to ISO 12176-3 (operator) & ISO 12176-4 (fitting/pipe)
- In-built GPS device available on request.

STANDARD COMPOSITION



90° Universal Connectors 4.0–4.7mm



Laser Scanner



Manual Scraper



Carrying Case



ON REQUEST
Ritmo Transfer Software

SECTION 02

Technical Specifications

Model	**ELEKTRA M**
Working range *	20–315mm (230V*)
Materials	PE, PP, PP-R
Welding output voltage	8–48V
Power supply	230V ±15% Single Phase 50/60Hz
Absorbed power **	2300W (230V)
Max. output current	100A (230V)
60% Duty Cycle output (ISO 12176-2)	60A
Operating mode	ISO 13950 welding barcode · Manual (barcode digits, tension/time)
Connections	USB port for the pen drive and for the ESC-POS printer
Memory	4000 welding reports
Ambient temperature	-20° to 50°C
T° probe precision	±1°C
Traceability	ISO 12176-3 · ISO 12176-4
Protection degree	IP 54
Languages	20
Dimensions, machine body	246 × 390 × 240mm
Dimensions, carrying case	290 × 445 × 295mm
Weight, machine body	6.55kg
Weight, body + cables + scanner	9.2kg
Recommended generator	5.5–6 kVA

* Working range might vary according to fittings brand. Check with the fitting manufacturer the power and welding time required. ** Power at 60% duty cycle.



SECTION 03

Electrofusion Accessories

Ritmo electrofusion — the complete system around your construction site.



Aligners

Up to Ø500mm



Pipe Scrapers

Up to Ø710mm



Shears

Up to Ø75mm



Pipe Cutter

Up to Ø315mm



Squeezers

Up to Ø200mm



Rerounders

Up to Ø800mm



Pipe Support

Up to Ø400mm



Bevelers

Up to Ø315mm

Talk to GWG about your welding equipment

Global Water Group is your trusted Ritmo distributor for PE welding solutions.

ELECTROFUSION WELDING MACHINE

ELEKTRA XL

Universal Electrofusion Welding Machine



High-performance, reduced-weight electrofusion machine for PE, PP and PP-R fittings up to OD 1600mm, with laser barcode reading to ISO 13950 and full ISO 12176 weld traceability.

- Range 20–1600mm
- Materials PE, PP, PP-R
- Output 8–48V or 8–80V
- Supply 230V
- Weight 6.75kg
- Protection IP 54

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Global Water Group is an authorised Ritmo distributor for plastic welding equipment in Australia.

SECTION 01

Overview

ELEKTRA XL is a universal electrofusion machine characterised by high performance and reduced weight. Running on a 230V supply, it is designed to weld EF fittings up to OD 1600mm for PE, PP and PP-R high pressure pipelines, available in two welding output ranges — 8–48V or 8–80V — to suit the fitting.

KEY FEATURES

- High resistance technopolymer shell
- Lifting handle and cable wrapping
- Welding report download via USB — PDF, CSV, BIN format
- 2.4" LCD graphic display
- 90° universal connectors 4.0–4.7mm — no adapters needed
- Manual entry of welding parameters (voltage/time) & barcode digits
- In-built GPS device available on request.
- "Defender" protection against dust & rain, with removable filter
- In-built memory of 4000 welding reports
- USB port also upgrades firmware & drives an ESC-POS printer
- Intuitive control panel, customisable menu in 20 languages
- Laser barcode scanner, sets parameters to ISO 13950 automatically
- Traceability to ISO 12176-3 (operator) & ISO 12176-4 (fitting/pipe)

STANDARD COMPOSITION



90° Universal Connectors 4.0–4.7mm



Laser Scanner



Manual Scraper



Carrying Case



ON REQUEST
Ritmo Transfer Software

SECTION 02

Technical Specifications

Model	**ELEKTRA XL**
Working range *	20–1600mm
Materials	PE, PP, PP-R
Welding output voltage *	8–48V or 8–80V
Power supply	230V ±15% Single Phase 50/60Hz
Absorbed power **	3500W (230V)
Max. output current	120A (230V)
60% Duty Cycle output (ISO 12176-2)	95A
Operating mode	ISO 13950 welding barcode · Manual (barcode digits, tension/time)
Connections	USB port for the pen drive and for the ESC-POS printer
Memory	4000 welding reports
Ambient temperature	-20° to 50°C
T° probe precision	±1°C
Traceability	ISO 12176-3 · ISO 12176-4
Protection degree	IP 54
Languages	20
Dimensions, machine body	246 × 390 × 240mm
Dimensions, carrying case	290 × 445 × 295mm
Weight, machine body	6.75kg
Weight, body + cables + scanner	9.4kg
Recommended generator	6.5–7 kVA

* Working range might vary according to fittings brand. Check with the fitting manufacturer the power and welding time required. ** Power at 60% duty cycle.



SECTION 03

Electrofusion Accessories

Ritmo electrofusion — the complete system around your construction site.



Aligners

Up to Ø500mm



Pipe Scrapers

Up to Ø710mm



Shears

Up to Ø75mm



Pipe Cutter

Up to Ø315mm



Squeezers

Up to Ø200mm



Rerounders

Up to Ø800mm



Pipe Support

Up to Ø400mm



Bevelers

Up to Ø315mm

Talk to GWG about your welding equipment

Global Water Group is your trusted Ritmo distributor for PE welding solutions.

Pipe Preparation & Tools

Scrapers, squeezers, cutters, clamps and aligners for electrofusion

PE WELDING EQUIPMENT · PIPE PREPARATION

Ritmo PS Rotary Pipe Scrapers

Professional rotary scrapers that prepare plastic pipes and fittings before electrofusion welding. An adjustable chuck covers every diameter in the working range, and the orbital blade-holder arm removes a constant, regular shaving.

Ø61 – Ø426 MM | TWO MODELS | FULL SLEEVE LENGTH | ON-SITE REPAIRS



FEATURES

- Adjustable chuck covers all diameters of the working range
- Orbital blade-holder arm for even, controlled scraping
- Constant and regular removal of the shaving
- Scrapes the entire length of the electrofusion sleeve — ideal for on-site repairs

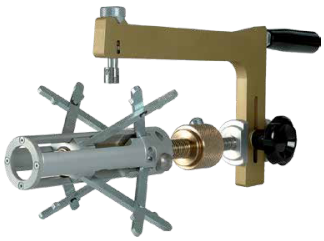
STANDARD COMPOSITION

- **PS 180** — supplied with transport bag and spare blade
- **PS 400** — supplied with transport case and spare blade

TECHNICAL FEATURES

Model	PS 180	PS 400
Working range — external	Ø75 – 200* mm	Ø137 – 426 mm
Working range — internal	Ø61 – 184 mm	Ø130 – 391 mm
Max scraping length	129 mm	160 mm
Max dimensions	595 × 272 × 190 mm	790 × 400 × 400 mm
Transport case dimensions	453 × 185 × 63 mm	550 × 350 × 90 mm
Weight standard composition	2.8 kg	5.5 kg

* Ø200 mm from SDR 6 to SDR 26.



PS 180



PS 180 in transport bag



PS 400 in transport case

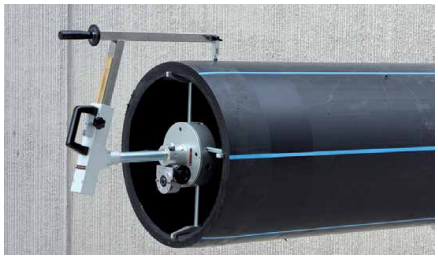
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PE WELDING EQUIPMENT · PIPE PREPARATION

Ritmo RTC Rotary Pipe Scrapers

Professional rotary scrapers designed and patented by Ritmo. They remove the oxidation layer caused by weather and UV exposure — which would otherwise severely compromise the joint — before electrofusion welding.

Ø50 – Ø710 MM | PATENTED BY RITMO | CONSTANT CHIP | ALUMINIUM CASE



FEATURES

- Keeps the continuous chip thickness constant, even on misshapen pipe
- Scraping length adjustable to the depth of the electrofusion coupler
- RTC 710 extendable arm scrapes the exact coupler length — ideal for maintenance and repair
- RTC 710 main chuck has four extendable arms clamping directly to the pipe bore

STANDARD COMPOSITION

- Pipe scraper and spare blade
- Adapters kit (except RTC 710)
- Handwheel key (RTC 315)
- Aluminium transport case
- Screwdriver and small cutter

TECHNICAL FEATURES

Model	RTC 160	RTC 315	RTC 710
Working range — external	Ø50 – 160 mm	Ø75 – 315 mm	Ø355 – 710 mm
Working range — internal	Ø38 – 154 mm	Ø58 – 300 mm	Ø290 – 675 mm
Max scraping length	114 mm	137 mm	530 mm
Max dimensions	380 × 120 × 250 mm	510 × 310 × 410 mm	825 × 805 × 695 mm
Transport case dimensions	390 × 210 × 135 mm	230 × 500 × 270 mm	800 × 580 × 350 mm
Weight RTC only	2.5 kg	4.5 kg	16 kg
Weight standard composition	5.65 kg	7.5 kg	39 kg



RTC 160 and RTC 315



Manual Scraper
Same principle as the RTC, with a practical plastic handle and blade. Recommended up to Ø63 mm.

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PE WELDING EQUIPMENT · PIPE PREPARATION

Ritmo TURBO Rotary Pipe Scrapers

Patented rotating-tool scrapers built for confined jobsite spaces, cutting scraping time dramatically. Ø16 to Ø180 mm, driven by any professional electric screwdriver (18 V recommended).

Ø16 – Ø180 MM | METRIC MODELS | PATENTED BY RITMO | 18 V CORDLESS DRIVE



FEATURES

- Rotating tool scrapes quickly and accurately without imperfections
- Designed for confined jobsite spaces
- Metal models Ø16 – 63 mm scrape *and* face uneven pipe ends
- Technopolymer models Ø75 – 180 mm scrape only
- Easily adjustable scraping depth selector for precise blade positioning
- Suits PE and PP pipe — contact Ritmo regarding PP and PP-R; inch and JIS versions available on request
- Supplied with a cover bag; transport case available on request for models 20 – 63

USE RECOMMENDATIONS

- Wear protective equipment (glasses, gloves)
- Manually rotate the depth selector
- Use an 18 V drill (recommended)
- Hold firmly with both hands
- Scrape at a moderate and continuous speed

SPEED TEST

TURBO 180
PE and PP pipe Ø180 mm
Scraping depth 125 mm

≈ 40 seconds

TURBO 160
PE and PP pipe Ø160 mm
Scraping depth 125 mm

≈ 25 seconds

TURBO 125
PE and PP pipe Ø125 mm
Scraping depth 100 mm

≈ 20 seconds



Supply and packaging
Each TURBO is supplied with its own cover bag. A transport case holding the Ø20 to Ø63 range is available upon request. TURBO is patented by Ritmo.

SCRAPE AND FACE — Ø16 TO Ø63 MM (METAL BODY)

Model	Item code	Working range	Pipe thickness min ÷ max	Scraping length max	Weight
TURBO 16	99890012	Ø16 mm	1.5 ÷ 2.28 mm	43 mm	0.4 kg
TURBO 20	99890000	Ø20 mm	2.3 ÷ 3.8 mm	45 mm	0.4 kg
TURBO 25	99890001	Ø25 mm	2.3 ÷ 5.3 mm	45 mm	0.5 kg
TURBO 32	99890002	Ø32 mm	2.3 ÷ 6.8 mm	45 mm	0.6 kg
TURBO 40	99890003	Ø40 mm	2.3 ÷ 8.3 mm	55 mm	0.8 kg
TURBO 45	99890067	Ø45 mm	2.6 ÷ 9 mm	55 mm	0.8 kg
TURBO 50	99890004	Ø50 mm	2.3 ÷ 10.3 mm	55 mm	1 kg
TURBO 63	99890005	Ø63 mm	2.3 ÷ 13.3 mm	55 mm	1.3 kg

SCRAPING ONLY — Ø75 TO Ø180 MM (TECHNOPOLYMER BODY)

Model	Item code	Working range	Pipe thickness min	Scraping length max	Weight
TURBO 75	99890069	Ø75 mm	4.5 mm	90 mm	0.9 kg
TURBO 90	99890071	Ø90 mm	5.4 mm	99 mm	1 kg
TURBO 110	99890072	Ø110 mm	6.6 mm	100 mm	1.2 kg
TURBO 125	99890073	Ø125 mm	7.4 mm	100 mm	1.3 kg
TURBO 160	99890077	Ø160 mm	9.4 mm	125 mm	1.7 kg
TURBO 180	99890076	Ø180 mm	10.6 mm	125 mm	1.9 kg



TURBO 180 scraping PE pipe with an 18 V cordless drill.

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PE WELDING EQUIPMENT · PIPE PREPARATION

Ritmo SQUEEZER Pipe Squeeze-Off Tools

Jobsite squeeze-off tools that stop gas or water flow in polyethylene pipelines — manual operation for Ø16 – 63 mm and hydraulic operation for Ø63 – 200 mm.

Ø16 – Ø200 MM | SDR 11 · SDR 17 | MANUAL & HYDRAULIC | STEEL FRAME



SQUEEZER 63 — MANUAL

- Easy and fast to apply on the worksite
- Squeezes between a movable cylindrical bar and an opposite bar
- Second bar removes to allow pipe insertion
- Two stop templates with 4 positions ensure a safe squeeze across the working range

SQUEEZER 63 – 200 — HYDRAULIC

- Hydraulic cylinder manually actuated with a pressing lever
- Force transferred to two cylindrical rods that squeeze the pipe until flow stops
- Steel frame with two handles for easy transport
- Side metallic rods protect against pressure loss or accidental impact
- SDR 11 and SDR 17 stoppers included as standard

TECHNICAL FEATURES

Model	SQUEEZER 63	SQUEEZER 63 – 200
Working range	Ø16 – 63 mm	Ø63 – 200 mm
Pipe series	SDR 11, SDR 17	SDR 11, SDR 17
Operation	Manual	Hydraulic
Overall dimensions	325 × 70 × 330 mm	476 × 165 × 722 mm
Weight	5.3 kg	45 kg



SQUEEZER 63 — open and closed on pipe



SQUEEZER 63 – 200 rods closed on pipe

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PE WELDING EQUIPMENT · PIPE PREPARATION

Ritmo Pipe Cutters & Shears

Professional hand tools for cutting plastic pipe — six pipe cutters up to Ø315 mm made from high-grade alloys, and three shears for PP, PP-R, HDPE, PB and PVDF up to Ø75 mm.

Ø6 – Ø315 MM | SIX CUTTERS | THREE SHEARS | SPECIAL BLADES



PIPE CUTTER FEATURES

- Made with the very best alloys — manageable and practical to use
- Accept special blades with cutting heights and penetration to suit different materials
- TC 108 and T1 with special blades cut copper and multilayer (PEX/Al, PP-R) pipe
- T4 cuts HDPE 80 / 100 up to Ø250 SDR 13 and Ø315 SDR 17.5

STANDARD COMPOSITION

- TC 108 pipe cutter with blade
- T1 + blade Ø25 mm · TU 75 + blade Ø44 mm
- TU 140, T3 and T4 + blade Ø53 mm
- Carrying case (T4 only)

ON REQUEST

- Blades of different diameters and heights

PIPE CUTTERS — TECHNICAL FEATURES

Model	Working range	Wall thickness	Overall dimensions	Weight
TC 108	Ø6 – 50 mm	up to 4.2 mm	178 × 228 × 65 mm	0.38 kg
T1	Ø6 – 64 mm	up to 5.5 mm	222 × 282 × 95 mm	0.60 kg
TU 75	Ø6 – 76 mm	up to 11.5 mm	247 × 330 × 105 mm	0.68 kg
TU 140	Ø50 – 140 mm	up to 17.5 mm	351 × 483 × 155 mm	1.38 kg
T3	Ø100 – 160 mm	up to 17.5 mm	372 × 465 × 200 mm	1.65 kg
T4	Ø180 – 315 mm	up to 19.4 mm	670 × 880 × 360 mm	7 kg

SHEARS

- Manual cutting of PP and PP-R pipe up to PN 25
- HDPE, PB and PVDF pipe up to Ø75 mm
- C3 AC shears made entirely of steel
- Supplied with shear body and blade



C 42 cutting PP-R pipe

SHEARS — TECHNICAL FEATURES

Model	Working range	Overall dimensions	Weight
C 42	up to Ø42 mm	110 × 27 × 225 mm	0.35 kg
C2 AC	up to Ø42 mm	120 × 25 × 225 mm	0.5 kg
C3 AC	up to Ø75 mm	170 × 35 × 520 mm	2.7 kg

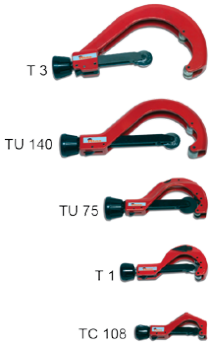
Suitable materials: HDPE, PP, PP-R, PB, PVDF.



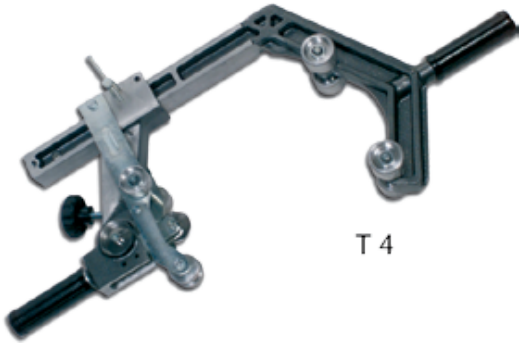
C2 AC shears



C3 AC steel shears



Pipe cutter range — TC 108 to T3



T4 pipe cutter, Ø180 – 315 mm

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PE WELDING EQUIPMENT · ALIGNERS

Ritmo KELA 16 – 63 Universal Aligner

A universal, compact aligner for plastic pipes, fittings and electrofusion saddles. Its clamp design holds pipes and fittings straight or at 45° and 90°.

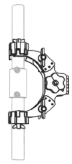
Ø16 – Ø63 MM | STRAIGHT · 45° · 90° | 1.4 KG | CTS & IPS VERSIONS

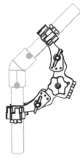


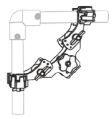
FEATURES

- Aligns pipes and fittings straight, at 45° or at 90°
- Wide plates give better grip and positioning for straight alignment
- Narrow plates make KELA more compact for 45° and 90° work, tight spaces and saddle welding
- Working range adjusted quickly with interchangeable plates
- Supplied with a transport bag

Technical features	
Working range	Ø16 – 63 mm CTS ½" – 2" IPS ½" – 2"
Alignment	Straight, 45°, 90°
Weight	1.4 kg
Weight with bag	2 kg
Min dimensions	206 × 155 × 104 mm
Max dimensions	298 × 126 × 153 mm
Bag dimensions	400 × 180 × 130 mm









Interchangeable plates



Wide plates for a better grip



Transport bag

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PE WELDING EQUIPMENT · ALIGNERS

Ritmo Electrofusion Pipe Aligners

Professional tools that hold pipes still and aligned during electrofusion — from the lightweight UNIVERSAL 63 to the all-steel ALIGNER 125 – 500.

Ø20 – Ø500 MM | FIVE MODELS | 45° · 90° · TEE | ALUMINIUM & STEEL



UNIVERSAL ALIGNER 63

Made almost entirely from a special aluminium alloy, with a central joint for fixed positions at 45° and 90° and four self-centring clamps that need no adapters.

One section of the clamp axis and one clamp can be removed, allowing tapping tees to be welded.

Standard composition: aligner with four clamps, service spanner and transport bag.



Technical features	
Working range	Ø20 – 63 mm
Max dimensions (straight)	600 × 160 × 116 mm
Transport bag	440 × 190 × 140 mm
Weight aligner	3.4 kg
Weight standard composition	3.9 kg

UNIVERSAL ALIGNER 160 LIGHT

Holds pipes Ø63 – 160 mm still and aligned during electrofusion. Aluminium alloy construction with a central joint for 45° and 90° and four self-centring clamps that need no adapters.

Quick-release clamps allow rapid extraction of the pipe once welded.

Standard composition: aligner with four clamps, transport bag or wooden transport case.

On request: 3rd axle with two clamps for welding tees.



Technical features	
Working range	Ø63 – 160 mm
Max dimensions (straight)	980 × 430 × 260 mm
Weight aligner	9 kg
Weight transport bag	1.5 kg
Weight transport case	14 kg

ALIGNER ECO 20 – 63

Two aluminium axes carry self-centring steel clamps that slide along their full length. A positioning plate allows in-line, 30°, 45°, 90° and tee welds.

Pipes are fixed with the supplied cable ties with fastener and quick release. Italian patent application N° 202015000029036.



Technical features	
Working range	Ø20 – 63 mm
Max dimensions	640 × 120 × 83 mm
Weight aligner	3 kg

ALIGNER ECO 63 – 180

All-steel aligner with a central adjustable joint set to four positions — 30°, 45°, 90°, in-line and tee welding. V-shaped clamps with fastening belts also centre the pipe; each axis has two guides for the clamps.

Side handles for easy handling. Available with 2 axes, or 3 axes for tee fittings.



Technical features	
Working range	Ø63 – 180 mm
Max dimensions 2 / 3 axes	915 × 140 × 130 / 915 × 575 × 130 mm
Weight 2 / 3 axes	7.5 / 10 kg

ALIGNER 125 – 500

All-steel aligner with a central adjustable joint for 45°, 90°, in-line and tee welding. V-shaped clamps with fastening belts also centre the pipe; each axis has two guides for the clamps.

Side handles for easy handling. Available with 2 axes, or 3 axes for tee fittings.



Technical features	
Working range	Ø125 – 500 mm
Max dimensions 2 / 3 axes	1815 × 610 × 410 / 1815 × 1230 × 410 mm
Weight 2 / 3 axes	38 / 52 kg

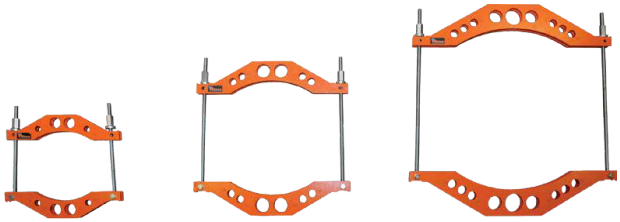
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PE WELDING EQUIPMENT · PIPE PREPARATION

Ritmo Rerounders for Plastic Pipe

Steel jobsite tools whose mechanical thread remodels the ends of ovalised pipes so they can be inserted into an electrofusion coupling — avoiding the cost of discarding good pipe.

Ø250 – Ø800 MM | THREE MODELS | STEEL CONSTRUCTION | STEEL TRANSPORT CASE



FEATURES

- Manual clamping of the tool stems pushes the ovalised end back into shape
- Restores pipe ends within the ovalisation range required by most standards
- Allows insertion into an electrofusion coupling without cutting back good pipe
- Steel construction built for jobsite use

SUPPLY

- Three models: 250 – 400, 450 – 560 and 630 – 800 mm OD
- Each model sold separately with a steel transport box
- Models 450 – 560 and 630 – 800 supplied in a steel case with two wheels

TECHNICAL FEATURES

Model	Rerounders 250 – 400	Rerounders 450 – 560	Rerounders 630 – 800
Working range (OD)	Ø250 – 400 mm	Ø450 – 560 mm	Ø630 – 800 mm
Dimensions	610 × 255 × 120 mm	980 × 495 × 200 mm	1240 × 555 × 200 mm
Weight	27 kg	41 kg	60 kg
Transport	Steel box	Steel case, 2 wheels	Steel case, 2 wheels



Ovalised pipe end before and after rerounding



Wheeled steel transport case (450 – 560 and 630 – 800)

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PE WELDING EQUIPMENT · ACCESSORIES

Ritmo Pipe Support Rollers

Support pipes while they are welded with butt fusion machines, minimising pipe friction and drag force whatever the jobsite conditions.

UP TO Ø1000 MM | TWO MODELS | STACKABLE | LIGHT CONSTRUCTION



FEATURES

- **ROLLER 355** supports pipes up to Ø355 mm — easy to use and light
- **ROLLER 1000** supports pipes Ø315 – 1000 mm with a light, easy-to-carry structure
- ROLLER 1000 disassembles and reassembles in a few steps — up to eight rollers stack on a single pallet
- Offset rollers move the pipe easily, even with weld beads present

STANDARD COMPOSITION

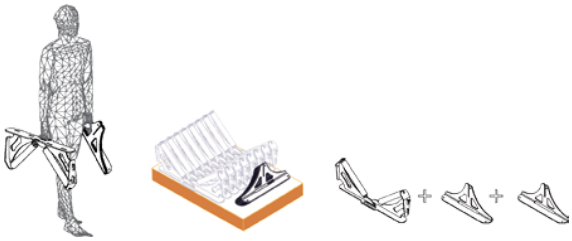
- Complete roller with tools

TECHNICAL FEATURES

Model	ROLLER 355	ROLLER 1000
Working range	up to Ø355 mm	Ø315 – 1000 mm
Dimensions	360 × 220 × 200 mm	1040 × 600 × 320 mm
Weight	6 kg	27 kg



ROLLER 1000



ROLLER 1000 — portable, palletised and modular

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Together, we move water

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