PRODUCT CATALOGUE

RITMO BASIC · DELTA · EASY LIFE

BUTT FUSION 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 BASIC, DELTA and EASY LIFE butt fusion welder range, for which GWG is a trusted Ritmo distributor. Inserts, trolleys, data-loggers 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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BASIC Series

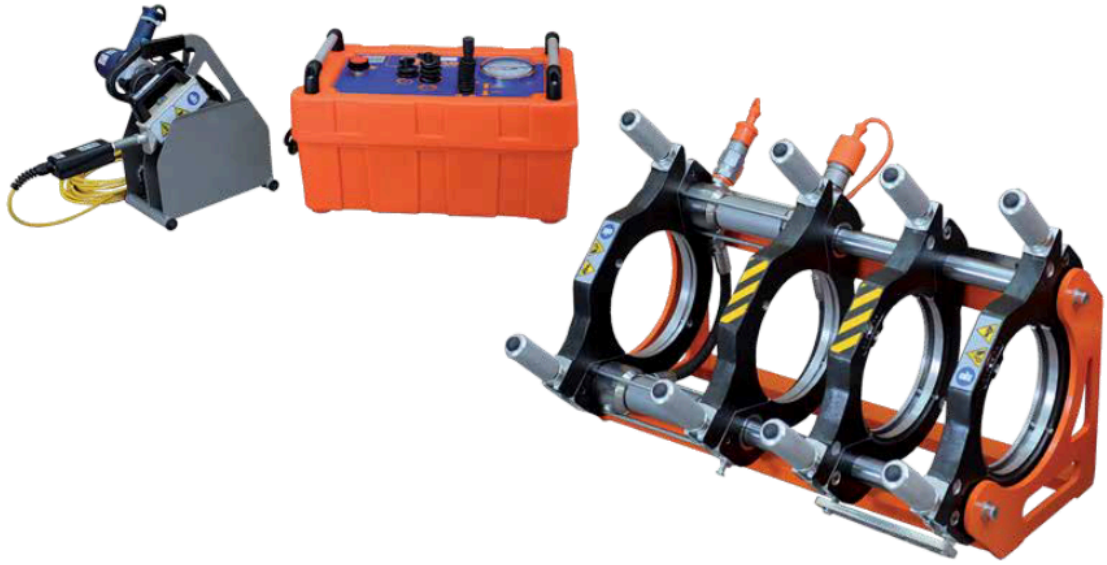
Self-aligning hydraulic butt fusion · Ø40 – Ø355 mm

PE WELDING EQUIPMENT · BUTT FUSION

Ritmo BASIC 160 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding pressure pipes from Ø40 to Ø160 mm — water, gas and other fluids.

Ø40 – Ø160 MM | 230 V · 2220 W | 3.5 – 4 KVA GEN. | DIGITAL DRAGON



FEATURES

- Self-aligning hydraulic butt fusion machine for pressure pipes carrying water, gas and other fluids
- Built to international standards UNI 10565 and ISO 12176-1
- Machine body with supporting frame, four clamps and two hydraulic cylinders with fast non-drip couplings
- PTFE-coated heating plate with independent thermometer and “Digital Dragon” high-precision thermoregulator (±1 °C), digital display and LED status indicators
- Extractable electric milling cutter with safety micro-switch and thermal circuit breaker
- Electro-hydraulic gearcase with clamp control lever, maximum pressure and discharge valves (suits “Dual Pressure” welding), non-drip hoses and timer
- Preset for connection to THE INSPECTOR electronic data-logger
- Welds fittings such as elbows, tees, Y-branches and flange necks

STANDARD COMPOSITION


Machine body


Gearcase


Heating plate with Digital Dragon


Milling cutter


Support

Also supplied: Inserts Ø1" – 5" IPS; 3" – 4" DIPS · Pre-insulated bag for heating plate

TECHNICAL FEATURES

Parameter	Value
Working range	Ø40 – Ø160 mm · 1" IPS – 5" IPS
Materials	HDPE, PP, PP-R, PVDF — for other materials contact Ritmo
Power supply	230 V single phase 50/60 Hz
Total absorbed power	2220 W
Suggested power generator	3.5 – 4 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 20 min
Dimensions machine body (W × D × H)	606 × 365 × 375 mm
Weight machine body	32 kg (70.5 lb)
Weight standard composition	77 kg (170 lb)

ON REQUEST

- THE INSPECTOR data-logging
- Trolley
- Inserts Ø40 – Ø140 mm
- Rollers

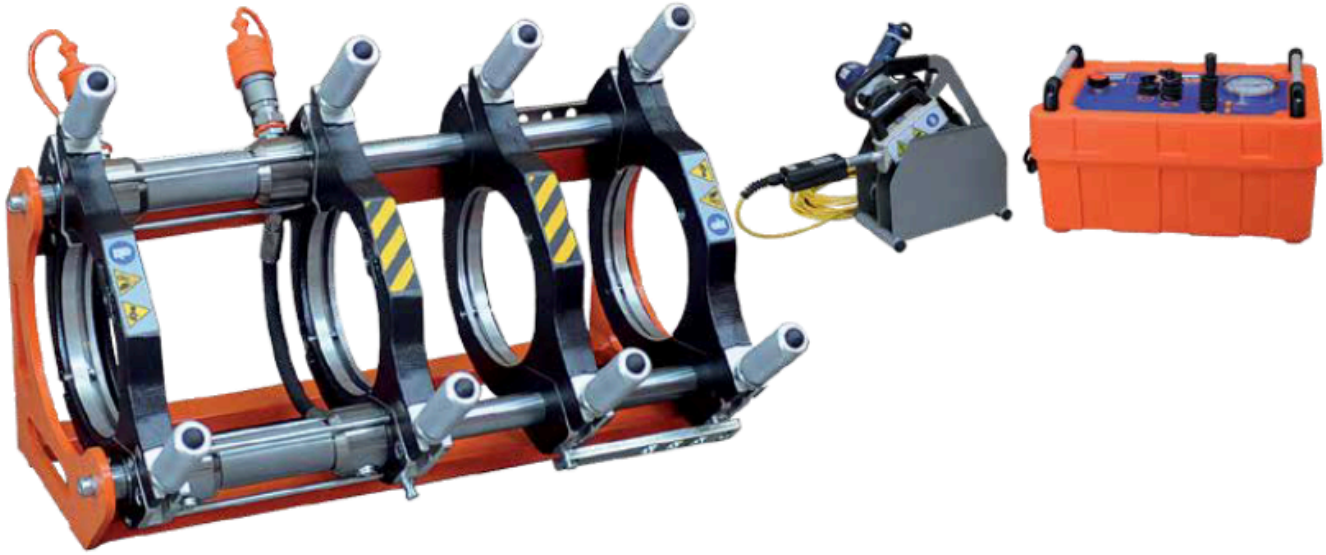
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PE WELDING EQUIPMENT · BUTT FUSION

Ritmo BASIC 200 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding pressure pipes up to Ø200 mm — water, gas and other fluids.

Ø63 – Ø200 MM | 230 V · 3250 W | 5.5 – 6 KVA GEN. | DIGITAL DRAGON



FEATURES

- Self-aligning hydraulic butt fusion machine for pressure pipes carrying water, gas and other fluids
- Built to international standards UNI 10565 and ISO 12176-1
- Machine body with supporting frame, four clamps and two hydraulic cylinders with fast non-drip couplings
- PTFE-coated heating plate with independent thermometer and “Digital Dragon” high-precision thermoregulator (±1 °C), digital display and LED status indicators
- Extractable electric milling cutter with safety micro-switch and thermal circuit breaker
- Electro-hydraulic gearcase with clamp control lever, maximum pressure and discharge valves (suits “Dual Pressure” welding), non-drip hoses and timer
- Preset for connection to THE INSPECTOR electronic data-logger
- Welds fittings such as elbows, tees, Y-branches and flange necks

STANDARD COMPOSITION


Machine body


Gearcase


Heating plate with Digital Dragon


Milling cutter


Support

Also supplied: Inserts Ø2" – 6" IPS; 3" – 6" DIPS · Pre-insulated bag for heating plate

TECHNICAL FEATURES

Parameter	Value
Working range	Ø63 – Ø200 mm · 2" IPS – 6" DIPS
Materials	HDPE, PP, PP-R, PB, PVDF — for other materials contact Ritmo
Power supply	230 V single phase 50/60 Hz
Total absorbed power	3250 W
Suggested power generator	5.5 – 6 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 20 min
Dimensions machine body (W × D × H)	685 × 460 × 420 mm
Weight machine body	39 kg (86 lb)
Weight standard composition	93 kg (205 lb)

ON REQUEST

- THE INSPECTOR data-logging
- Trolley
- Tool for flange necks
- Inserts Ø63 – Ø180 mm
- Rollers

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PE WELDING EQUIPMENT · BUTT FUSION

Ritmo BASIC 250 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding pressure pipes from Ø75 to Ø250 mm, with Ritmo's patented SMARTLock adapter system.

Ø75 – Ø250 MM | 230 V · 3450 W | 5.5 – 6 KVA GEN. | SMARTLOCK



FEATURES

- Self-aligning hydraulic butt fusion machine for pressure pipes carrying water, gas and other fluids
- Built to international standards UNI 10565 and ISO 12176-1
- Machine body with supporting frame, four clamps and two hydraulic cylinders with fast non-drip couplings; SMARTLock fast-locking adapter system, patented by Ritmo
- PTFE-coated heating plate with independent thermometer and "Digital Dragon" high-precision thermoregulator (±1 °C), digital display and LED status indicators
- Extractable electric milling cutter with safety micro-switch and thermal circuit breaker
- Electro-hydraulic gearcase with clamp control lever, maximum pressure and discharge valves (suits "Dual Pressure" welding), non-drip hoses and timer
- Preset for connection to THE INSPECTOR electronic data-logger
- Welds fittings such as elbows, tees, Y-branches and flange necks

STANDARD COMPOSITION


Machine body


Detach device for heater


Gearcase


Heating plate with Digital Dragon


Milling cutter


Support

Also supplied: Inserts Ø2" – 8" IPS; 3" – 8" DIPS · Pre-insulated bag for heating plate · Trolley for milling cutter / heating plate · Wooden case for inserts

TECHNICAL FEATURES

Parameter	Value
Working range	Ø75 – Ø250 mm · 2" IPS – 8" DIPS
Materials	HDPE, PP, PP-R, PB, PVDF — for other materials contact Ritmo
Power supply	230 V single phase 50/60 Hz
Total absorbed power	3450 W
Suggested power generator	5.5 – 6 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 20 min
Dimensions machine body (W × D × H)	850 × 470 × 400 mm
Weight machine body	63 kg (139 lb)
Weight standard composition	124 kg (273.4 lb)

ON REQUEST

- THE INSPECTOR data-logging
- Trolley for machine body
- Tool for flange necks
- Inserts Ø75 – Ø225 mm
- Top clamp short elbows / tee
- Rollers

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PE WELDING EQUIPMENT · BUTT FUSION

Ritmo BASIC 315 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding pressure pipes from Ø90 to Ø315 mm, with Ritmo's patented SMARTLock adapter system.

Ø90 – Ø315 MM | 230 V · 4500 W | 6.5 – 7 KVA GEN. | SMARTLOCK



FEATURES

- Self-aligning hydraulic butt fusion machine for pressure pipes carrying water, gas and other fluids
- Built to international standards UNI 10565 and ISO 12176-1
- Machine body with supporting frame, four clamps and two hydraulic cylinders with fast non-drip couplings; SMARTLock fast-locking adapter system, patented by Ritmo
- PTFE-coated heating plate with independent thermometer and "Digital Dragon" high-precision thermoregulator (±1 °C), digital display and LED status indicators
- Extractable electric milling cutter with safety micro-switch and thermal circuit breaker
- Electro-hydraulic gearcase with clamp control lever, maximum pressure and discharge valves (suits "Dual Pressure" welding), non-drip hoses and timer
- Preset for connection to THE INSPECTOR electronic data-logger
- Welds fittings such as elbows, tees, Y-branches and flange necks

STANDARD COMPOSITION


Machine body


Detach device for heater


Gearcase


Heating plate with Digital Dragon


Milling cutter


Support

Also supplied: Inserts Ø3" – 10" IPS; 3" – 10" DIPS · Pre-insulated bag for heating plate · Trolley for milling cutter / heating plate · Wooden case for inserts

TECHNICAL FEATURES

Parameter	Value
Working range	Ø90 – Ø315 mm · 3" IPS – 10" DIPS
Materials	HDPE, PP, PP-R, PVDF — for other materials contact Ritmo
Power supply	230 V single phase 50/60 Hz
Total absorbed power	4500 W
Suggested power generator	6.5 – 7 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 20 min
Dimensions machine body (W × D × H)	981 × 586 × 520 mm
Weight machine body	86 kg (190 lb)
Weight standard composition	166 kg (366 lb)

ON REQUEST

- THE INSPECTOR data-logging
- Trolley for machine body
- Tool for flange necks
- Inserts Ø90 – Ø280 mm, master Ø250 mm
- Rollers

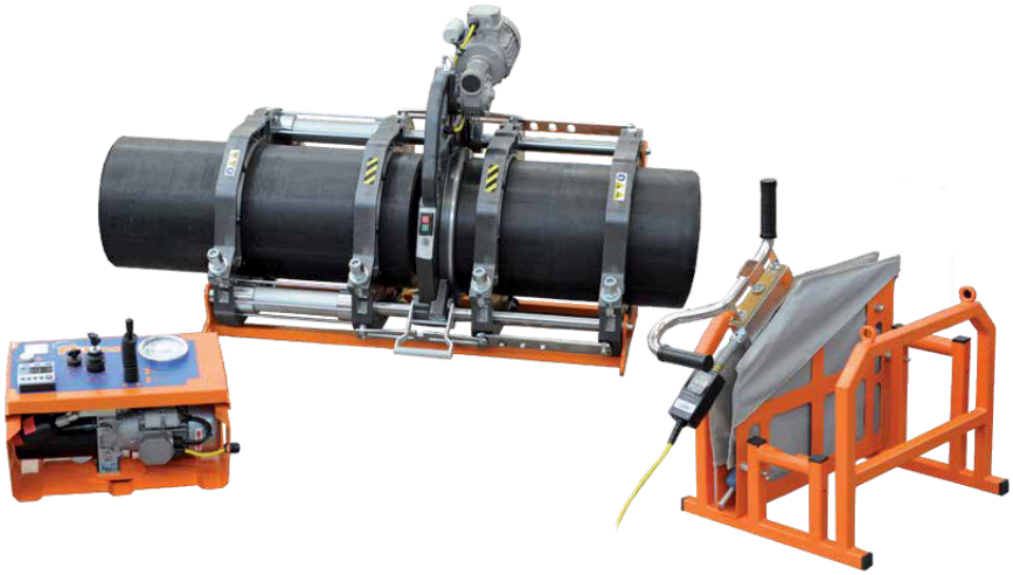
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PE WELDING EQUIPMENT · BUTT FUSION

Ritmo BASIC 355 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding pressure pipes from Ø125 to Ø355 mm, with Ritmo's patented SMARTLock adapter system.

Ø125 – Ø355 MM | 230 V · 5750 W | 8 – 8.5 KVA GEN. | SMARTLOCK



FEATURES

- Self-aligning hydraulic butt fusion machine for pressure pipes carrying water, gas and other fluids
- Built to international standards UNI 10565 and ISO 12176-1
- Machine body with supporting frame, four clamps and two hydraulic cylinders with fast non-drip couplings; SMARTLock fast-locking adapter system, patented by Ritmo
- PTFE-coated heating plate with independent thermometer and "Digital Dragon" high-precision thermoregulator (±1 °C), digital display and LED status indicators
- Extractable electric milling cutter with safety micro-switch and thermal circuit breaker
- Electro-hydraulic gearcase with clamp control lever, maximum pressure and discharge valves (suits "Dual Pressure" welding), non-drip hoses and timer
- Preset for connection to THE INSPECTOR electronic data-logger
- Welds fittings such as elbows, tees, Y-branches and flange necks

STANDARD COMPOSITION


Machine body


Detach device for heater



Gearcase


Heating plate with Digital Dragon


Milling cutter


Support

Also supplied: Inserts Ø4" – 12" IPS; 4" – 12" DIPS, master Ø250 mm · Pre-insulated bag for heating plate · Wooden case for inserts

TECHNICAL FEATURES

Parameter	Value
Working range	Ø125 – Ø355 mm · 4" IPS – 14" IPS
Materials	HDPE, PP, PP-R, PVDF — for other materials contact Ritmo
Power supply	230 V single phase 50/60 Hz
Total absorbed power	5750 W
Suggested power generator	8 – 8.5 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 20 min
Dimensions machine body (W × D × H)	1077 × 510 × 715 mm
Weight machine body	100 kg (220.5 lb)
Weight standard composition	205 kg (452 lb)

ON REQUEST

- THE INSPECTOR data-logging
- Trolley
- Tool for flange necks
- Inserts Ø125 – Ø315 mm, master Ø250 mm
- Rollers

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DELTA Series

Large-diameter hydraulic butt fusion · Ø200 – Ø1200 mm

PE WELDING EQUIPMENT · BUTT FUSION

Ritmo DELTA 500 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding pressure ducts from Ø200 to Ø500 mm — water, gas and oil.

Ø200 – Ø500 MM | 400 V 3-PHASE · 7200 W | 12 KVA GEN. | DIGITAL DRAGON



FEATURES

- Self-aligning butt fusion machine for pressure ducts carrying water, gas and other fluids
- Designed to international standards UNI 10565 and ISO 12176-1
- Machine body with steel bearing frame, four steel clamps, two hydraulic thrust cylinders with non-drip quick couplings and steel inserts
- Self-detaching device assists removal of the heating plate during welding
- Extractable heating plate with separate thermometer
- Extractable electric milling cutter with safety microswitch and overload cut-out; metal-framed control box with fast removing system
- Electro-hydraulic gearcase with clamp lever, maximum pressure and release valves (“Dual Pressure”), non-drip hoses and timer; preset for THE INSPECTOR
- “Digital Dragon” high-precision (±1 °C) temperature controller in a protective enclosure
- 3rd clamp anchors to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional tool

STANDARD COMPOSITION


Machine body


Detach device for heater



Gearcase


Electronic thermoregulator


Milling cutter


Heating plate


Support

Also supplied: Inserts Ø8" – 18" IPS; 8" – 18" DIPS · Pre-insulated bag for heating plate · Wooden transport case or metal cage for machine body / trolley and gearcase / plate / cutter

TECHNICAL FEATURES

Parameter	Value
Working range	Ø200 – Ø500 mm · 8" IPS – 18" DIPS
Materials	HDPE, PP, PVDF — for other materials contact Ritmo
Power supply	400 V three phase 50/60 Hz
Total absorbed power	7200 W
Suggested power generator	12 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 20 min
Dimensions machine body (W × D × H)	1265 × 790 × 780 mm
Weight machine body	230 kg (507 lb)
Weight standard composition	408 kg (900 lb)

ON REQUEST

- Rollers
- THE INSPECTOR data-logging
- Electrical crane
- Trolley
- Tool for flange necks
- Inserts Ø200 – Ø450 mm

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PE WELDING EQUIPMENT · BUTT FUSION

Ritmo DELTA 630 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding pressure ducts from Ø280 to Ø630 mm — water, gas and oil.

Ø280 – Ø630 MM | 400 V 3-PHASE · 12350 W | 18 KVA GEN. | DIGITAL DRAGON



FEATURES

- Self-aligning butt fusion machine for pressure ducts carrying water, gas and other fluids
- Designed to international standards UNI 10565 and ISO 12176-1
- Machine body with steel bearing frame, four steel clamps, two hydraulic thrust cylinders with non-drip quick couplings and steel inserts
- Self-detaching device assists removal of the heating plate during welding
- Extractable heating plate with separate thermometer
- Extractable electric milling cutter with safety microswitch and overload cut-out; metal-framed control box with fast removing system
- Electro-hydraulic gearcase with clamp lever, maximum pressure and release valves (“Dual Pressure”), non-drip hoses and timer; preset for THE INSPECTOR
- “Digital Dragon” high-precision (±1 °C) temperature controller in a protective enclosure
- 3rd clamp anchors to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional tool

STANDARD COMPOSITION


Machine body


Detach device for heater



Gearcase


Electronic thermoregulator


Milling cutter


Heating plate


Support

Also supplied: Inserts Ø10" – 24" IPS; 10" – 20" DIPS · Wooden transport case or metal cage for machine body / trolley and gearcase / plate / cutter

TECHNICAL FEATURES

Parameter	Value
Working range	Ø280 – Ø630 mm · 10" IPS – 24" IPS
Materials	HDPE, PP, PVDF — for other materials contact Ritmo
Power supply	400 V three phase 50/60 Hz
Total absorbed power	12350 W
Suggested power generator	18 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 20 min
Dimensions machine body (W × D × H)	1550 × 1010 × 1000 mm
Weight machine body	415 kg (915 lb)
Weight standard composition	708 kg (1560 lb)

ON REQUEST

- THE INSPECTOR data-logging
- Electrical crane
- Trolley
- Tool for flange necks
- Rollers
- Hydraulic rollers
- Inserts Ø280 – Ø560 mm

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PE WELDING EQUIPMENT · BUTT FUSION

Ritmo DELTA 800 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding pressure ducts from Ø500 to Ø800 mm — water, gas and oil.

Ø500 – Ø800 MM | 400 V · 16500 W | 30 KVA GEN. | DIGITAL DRAGON



FEATURES

- Self-aligning butt fusion machine for pressure ducts carrying water, gas and other fluids
- Designed to international standards UNI 10565 and ISO 12176-1
- Machine body with bearing frame, four clamps, two hydraulic thrust cylinders with non-drip quick couplings and steel inserts
- Extractable heating plate with separate thermometer
- Extractable electrically controlled milling cutter with safety microswitch and overload cut-out
- Electro-hydraulic gearcase with clamp lever, maximum pressure and discharge valves (“Dual Pressure”), non-drip hoses and timer
- Extractable electrical panel with heating plate outlet, electronic thermoregulator, differential circuit breaker and THE INSPECTOR connection
- 3rd clamp anchors to the movable clamps to weld bends, tees, branches and flange necks; reduced-tang necks with optional tool

STANDARD COMPOSITION


Machine body


Detach device for heater


Gearcase


Electronic thermoregulator


Milling cutter


Heating plate


Support

Also supplied: Inserts Ø20" – 30" IPS; 18" – 24" DIPS

TECHNICAL FEATURES

Parameter	Value
Working range	Ø500 – Ø800 mm · 20" IPS – 30" IPS
Materials	HDPE, PP, PVDF — for other materials contact Ritmo
Power supply	400 V 3F+N+PE 50/60 Hz
Total absorbed power	16500 W
Suggested power generator	30 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 45 min
Dimensions machine body (W × D × H)	2100 × 1350 × 1300 mm
Weight machine body	821 kg (1810 lb)
Weight standard composition	1260 kg (2777 lb)

ON REQUEST

- Inserts Ø500 – Ø710 mm
- Tool for flange necks
- Trolley
- Electrical crane
- THE INSPECTOR data-logging
- Rollers

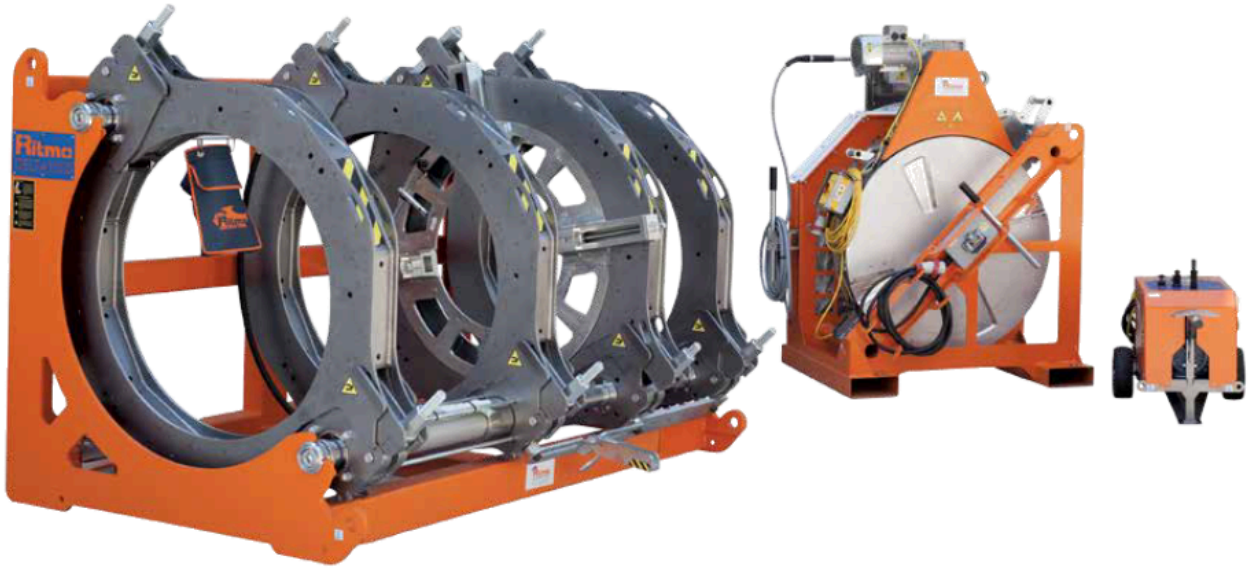
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PE WELDING EQUIPMENT · BUTT FUSION

Ritmo DELTA 1000 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding large-diameter pressure ducts from Ø630 to Ø1000 mm.

Ø630 – Ø1000 MM | 400 V · 25000 W | 40 KVA GEN. | LIFTING HOLES



FEATURES

- Self-aligning butt fusion machine for large-diameter pressure ducts carrying water and other fluids
- Designed to international standards UNI 10565 and ISO 12176-1
- Machine body with bearing frame, four steel clamps, two hydraulic thrust cylinders with non-drip quick couplings and steel inserts
- Extractable heating plate with separate thermometer
- Extractable electrically controlled milling cutter with self-detaching device, safety microswitch, overload cut-out and emergency push button
- Electro-hydraulic gearcase with clamp lever, maximum pressure and discharge valves (“Dual Pressure”), non-drip hoses, timer and differential circuit breaker
- Milling cutter / heating plate support with electronic thermoregulator
- Lifting holes in the chassis for rapid, easier handling
- 3rd clamp anchors to the movable clamps to weld elbows, tees, branches and flange necks; reduced-tang necks with optional tool

STANDARD COMPOSITION


Machine body


Detach device for heater


Gearcase


Electronic thermoregulator


Milling cutter


Heating plate


Support

Also supplied: Inserts Ø24" – 36" IPS

TECHNICAL FEATURES

Parameter	Value
Working range	Ø630 – Ø1000 mm · 24" IPS – 36" IPS
Materials	HDPE, PP — for other materials contact Ritmo
Power supply	400 V 3F+N+PE 50/60 Hz
Total absorbed power	25000 W
Suggested power generator	40 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 45 min
Dimensions machine body (W × D × H)	2386 × 1746 × 1711 mm
Weight machine body	2090 kg (4607 lb)
Weight standard composition	2942 kg (6486 lb)

ON REQUEST

- Tool for flange necks
- Trolley
- Electrical crane
- THE INSPECTOR data-logging
- Rollers
- Inserts Ø630 – Ø900 mm

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PE WELDING EQUIPMENT · BUTT FUSION

Ritmo DELTA 1200 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding large-diameter HDPE pressure ducts from Ø710 to Ø1200 mm (DELTA 48": 28" – 48" IPS).

Ø710 – Ø1200 MM | 400 V · 28200 W | 50 KVA GEN. | LIFTING HOLES



FEATURES

- Self-aligning butt fusion machine for large-diameter pressure ducts carrying water and other fluids
- Designed to international standards UNI 10565 and ISO 12176-1
- Machine body with bearing frame, four steel clamps, two hydraulic thrust cylinders with non-drip quick couplings and steel inserts
- Extractable heating plate with separate thermometer
- Extractable electrically controlled milling cutter with self-detaching device, safety microswitch, overload cut-out and emergency push button
- Electro-hydraulic gearcase with clamp lever, maximum pressure and discharge valves (“Dual Pressure”), non-drip hoses, timer and differential circuit breaker
- Milling cutter / heating plate support with electronic thermoregulator
- Lifting holes in the chassis for rapid, easier handling
- 3rd clamp anchors to the movable clamps to weld elbows, tees, branches and flange necks; reduced-tang necks with optional tool

STANDARD COMPOSITION


Machine body


Detach device for heater


Gearcase


Electronic thermoregulator


Milling cutter


Heating plate


Support

Also supplied: Trolley for support heating plate / facer

TECHNICAL FEATURES

Parameter	Value
Working range	DELTA 1200: Ø710 – Ø1200 mm · DELTA 48": 28" IPS – 48" IPS
Materials	HDPE, PP — for other materials contact Ritmo
Power supply	400 V 3F+N+PE 50/60 Hz
Total absorbed power	28200 W
Suggested power generator	50 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 45 min
Dimensions machine body (W × D × H)	2465 × 1870 × 1900 mm
Weight machine body	2500 kg (5510 lb)
Weight trolley	830 kg (1830 lb)

ON REQUEST

- Tool for flange necks
- Electrical crane
- THE INSPECTOR data-logging
- Rollers
- Trolley for machine body
- Inserts Ø710 – Ø1100 mm, master Ø1000 mm
- DELTA 48" inserts Ø28" – 48" IPS; Ø30" – 42" DIPS

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Easy Life Butt Fusion

Semi-automatic welding cycle · Wi-Fi ready

PE WELDING EQUIPMENT · BUTT FUSION CONTROL

Ritmo EASY LIFE Control System

Semi-automatic butt fusion control that simplifies work on the jobsite and avoids human error. Set the parameters once — the Easy Life gearcase repeats every welding cycle exactly.

AUTOMATED WELDING CYCLE | 4,000 WELD MEMORY | 50 PRE-SET CYCLES | WI-FI READY



EASY LIFE CONCEPT

EASY LIKE PUSHING A BUTTON

Designed to simplify on-site operations while minimising human error. Easy Life is Wi-Fi ready and works with the SET & GO PRO app.

HOW IT WORKS

Hardware and software share data through the entire workflow. Once the parameters are set, the system repeats the welding cycle; the operator just confirms each phase with one button, and pressure adjustments during welding are handled automatically.

QUALITY IN WELDING

Integrated data logging stores up to 4,000 welds on an internal drive, with up to 50 customised welding cycles. Reports are generated as PDF and downloaded via USB.

EXTREME RELIABILITY

Introduced in 2002, the Easy Life system is now in its fourth generation.

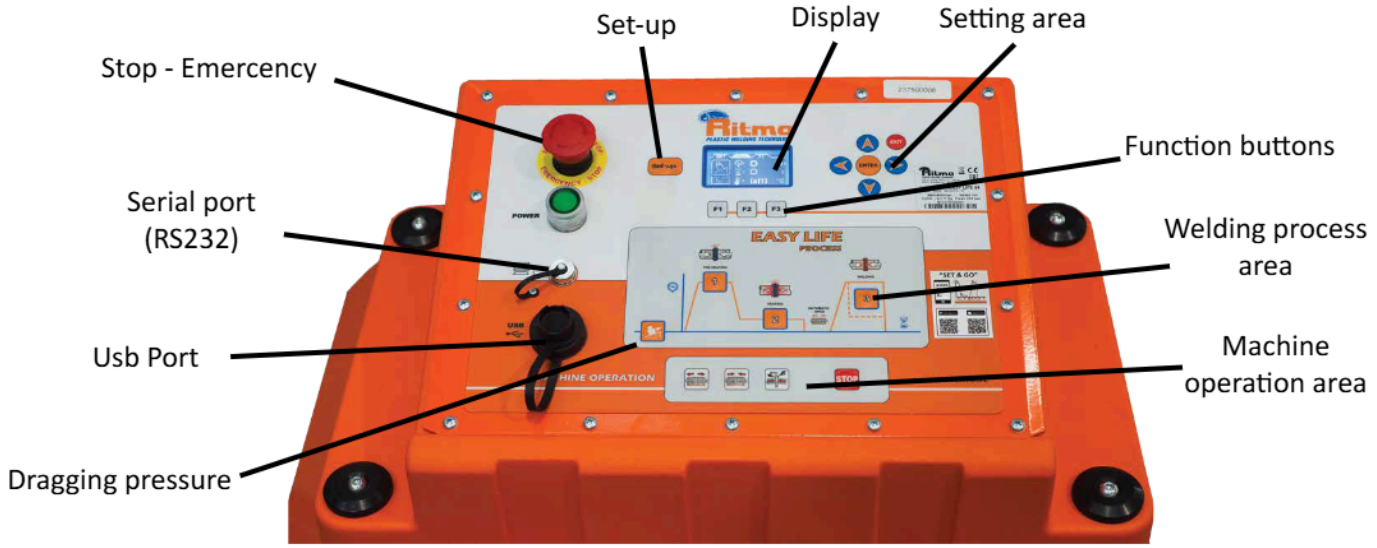
GEARCASE FUNCTIONS

Welding cycle
Fully automated — zero errors

Facer / milling cutter
Managed from the control unit

Machine carriage
Opening and closing movement

Heating plate
Temperature management



Easy Life control panel — emergency stop, set-up, display, function buttons, welding process and machine operation areas, RS232 serial and USB ports.

MANUAL CYCLE VS EASY LIFE



Manual welding cycle

Three operations: open the carriage, remove the heating plate, close the carriage and perform the weld — with room for mistakes.



Easy Life system

One operation: remove the heating plate. The gearcase handles everything else.

0% ERRORS | EASY SETTING & USE | PRECISION | REPEAT WELDING CYCLES | UP TO 50 PRE-SETS | 4,000 PDF REPORTS | DATA LOGGING | WI-FI | 10 LANGUAGES

SET & GO PRO APP

A professional Android app for smartphones and tablets that works with Ritmo Easy Life machines — combining the advantages of a CNC welding system with significantly lower cost, and removing the need for separate data-logging hardware.

- **Setup** — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR
- **Wi-Fi control** — transmits parameters and manages the welding process
- **Data collection** — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos
- **Welding reports** — PDF reports with graphs, pressures and times; share by email or WhatsApp, or save to cloud
- **Ease of use** — visual and acoustic signals guide the operator

Version	Offers
SET & GO PRO	Full functionality — Wi-Fi connectivity, data logging and reporting. Annual subscription; Google Play only.
SET & GO LIGHT	Free welding parameter calculator for Ritmo machines — replaces welding tables. Available on the App Store and Google Play.



Report by
EASY LIFE + "SET & GO! PRO"



Report by EASY LIFE

EASY LIFE RANGE

Model	Working range	Power supply	Total absorbed power
BASIC 160 EASY LIFE	Ø40 – Ø160 mm	230 V single phase	3000 W
BASIC 200 EASY LIFE	Ø63 – Ø200 mm	230 V single phase	4100 W
BASIC 250 EASY LIFE	Ø75 – Ø250 mm	230 V single phase	1100 W
BASIC 315 EASY LIFE	Ø90 – Ø315 mm	230 V single phase	5050 W
BASIC 355 EASY LIFE	Ø125 – Ø355 mm	230 V single phase	5750 W
DELTA 500 EASY LIFE	Ø200 – Ø500 mm	400 V three phase	7200 W
DELTA 630 EASY LIFE	Ø280 – Ø630 mm	400 V three phase	12350 W
DELTA 800 EASY LIFE	Ø500 – Ø800 mm	400 V 3F + N + PE	17200 W
DELTA 1000 EASY LIFE	Ø630 – Ø1000 mm	400 V 3F + N + PE	17200 W

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PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo BASIC 160 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø160 mm (5" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø40 – Ø160 MM | 230 V · 3000 W | 5.5 – 6 KVA GEN. | WI-FI READY









EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four aluminium clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts
- Self-detaching device assists removal of the heating plate during the welding cycle
- PTFE-coated heating plate with built-in independent thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø40 – Ø160 mm · 1" – 5" IPS
Materials	HDPE, PP, PP-R, PVDF
Power supply	230 V single phase 50/60 Hz
Total absorbed power	3000 W
Suggested power generator	5.5 – 6 kVA
Working temperature	180 – 280 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 20 min
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	606 × 365 × 375 mm
Dimensions Easy Life gearcase (W × D × H)	585 × 384 × 463 mm
Weight machine body	32 kg
Weight standard arrangement	88 kg

STANDARD INCLUSIONS


Machine body


Facer / Heater cradle


Easy Life gear case


Facer / Miller


Heating plate

OPTIONAL EXTRAS


Inserts Ø 40-140mm


Stub Chuck


Machine Body trolley


Rollers


App "Set & Go Pro"

SET & GO PRO APP

Wi-Fi control — sends parameters to the machine and manages the welding process

Data collection — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos

Welding reports — PDF reports with graphs, pressures and times; share by email or WhatsApp

Setup — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR

Versions — PRO (annual subscription, Google Play) for full connectivity; LIGHT (free) as a parameter calculator

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PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo BASIC 200 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø200 mm (6" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø63 – Ø200 MM | 230 V · 4100 W | 5.5 – 6 KVA GEN. | WI-FI READY









EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four aluminium clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts; SMARTLock fast-locking insert system
- Self-detaching device assists removal of the heating plate during the welding cycle
- PTFE-coated heating plate with built-in independent thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø63 – Ø200 mm · up to 6" IPS
Materials	HDPE, PP, PP-R, PB, PVDF
Power supply	230 V single phase 50/60 Hz
Total absorbed power	4100 W
Suggested power generator	5.5 – 6 kVA
Working temperature	180 – 280 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 20 min
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	685 × 460 × 420 mm
Dimensions Easy Life gearcase (W × D × H)	585 × 384 × 463 mm
Weight machine body	39 kg
Weight standard arrangement	100 kg

STANDARD INCLUSIONS


Machine body


Facer / Heater cradle


Easy Life gear case


Facer / Miller


Heating plate

OPTIONAL EXTRAS


Inserts Ø 63-180mm


Stub Chuck


Machine Body trolley


Rollers


App "Set & Go Pro"

SET & GO PRO APP

Wi-Fi control — sends parameters to the machine and manages the welding process

Data collection — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos

Welding reports — PDF reports with graphs, pressures and times; share by email or WhatsApp

Setup — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR

Versions — PRO (annual subscription, Google Play) for full connectivity; LIGHT (free) as a parameter calculator

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PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo BASIC 250 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø250 mm (8" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø75 – Ø250 MM | 230 V · 1100 W | 5.5 – 6 KVA GEN. | WI-FI READY



EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four aluminium clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts; SMARTLock fast-locking insert system
- Self-detaching device assists removal of the heating plate during the welding cycle
- PTFE-coated heating plate with built-in independent thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø75 – Ø250 mm · up to 8" IPS
Materials	HDPE, PP, PVDF
Power supply	230 V single phase 50/60 Hz
Total absorbed power	1100 W
Suggested power generator	5.5 – 6 kVA
Working temperature	180 – 280 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 20 min
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	850 × 470 × 400 mm
Dimensions Easy Life gearcase (W × D × H)	450 × 250 × 370 mm
Weight machine body	63 kg
Weight standard arrangement	121 kg

STANDARD INCLUSIONS


Machine body


Detach device for heater

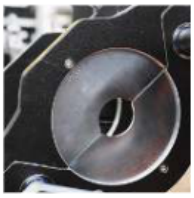

Easy Life gear case


Facer / Miller


Heating plate

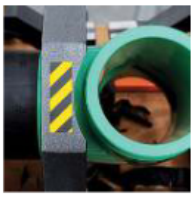

Facer / Heater cradle

OPTIONAL EXTRAS


Inserts Ø 75-225mm


Stub Chuck


Machine Body trolley


Top Clamp - Short Spigot


Rollers


App "Set & Go Pro"

SET & GO PRO APP

Wi-Fi control — sends parameters to the machine and manages the welding process

Data collection — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos

Welding reports — PDF reports with graphs, pressures and times; share by email or WhatsApp

Setup — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR

Versions — PRO (annual subscription, Google Play) for full connectivity; LIGHT (free) as a parameter calculator

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PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo BASIC 315 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø315 mm (10" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø90 – Ø315 MM | 230 V · 5050 W | 6.5 – 7 KVA GEN. | WI-FI READY



EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four aluminium clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts; SMARTLock fast-locking insert system
- Self-detaching device assists removal of the heating plate during the welding cycle
- Extractable heating plate with separate thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø90 – Ø315 mm · up to 10" IPS
Materials	HDPE, PP, PP-R, PB, PVDF
Power supply	230 V single phase 50/60 Hz
Total absorbed power	5050 W
Suggested power generator	6.5 – 7 kVA
Working temperature	180 – 280 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 20 min
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	981 × 586 × 520 mm
Dimensions Easy Life gearcase (W × D × H)	585 × 384 × 463 mm
Weight machine body	86 kg
Weight standard arrangement	174 kg

STANDARD INCLUSIONS


Machine body


Detach device for heater

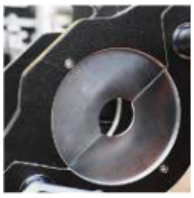

Easy Life gear case


Facer / Miller


Heating plate


Facer / Heater cradle

OPTIONAL EXTRAS


Inserts Ø 90-280mm


Stub Chuck


Machine Body trolley


Top Clamp - Short Spigot


Rollers


App "Set & Go Pro"

SET & GO PRO APP

Wi-Fi control — sends parameters to the machine and manages the welding process

Data collection — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos

Welding reports — PDF reports with graphs, pressures and times; share by email or WhatsApp

Setup — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR

Versions — PRO (annual subscription, Google Play) for full connectivity; LIGHT (free) as a parameter calculator

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PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo BASIC 355 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø355 mm (12" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø125 – Ø355 MM | 230 V · 5750 W | 8 – 8.5 KVA GEN. | WI-FI READY



EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four aluminium clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts; SMARTLock fast-locking insert system
- Self-detaching device assists removal of the heating plate during the welding cycle
- Extractable heating plate with separate thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø125 – Ø355 mm · up to 12" IPS
Materials	HDPE, PP, PP-R, PB, PVDF
Power supply	230 V single phase 50/60 Hz
Total absorbed power	5750 W
Suggested power generator	8 – 8.5 kVA
Working temperature	180 – 280 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 20 min
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	1077 × 510 × 715 mm
Dimensions Easy Life gearcase (W × D × H)	585 × 384 × 463 mm
Weight machine body	100 kg
Weight standard arrangement	216 kg

STANDARD INCLUSIONS


Machine body


Detach device for heater

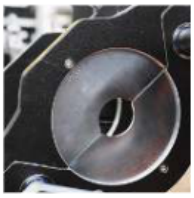

Easy Life gear case


Facer / Miller


Heating plate


Facer / Heater cradle

OPTIONAL EXTRAS


Inserts Ø 125-315mm


Stub Chuck


Machine Body trolley


Pre-Insulated Bag


Rollers


App "Set & Go Pro"

SET & GO PRO APP

Wi-Fi control — sends parameters to the machine and manages the welding process

Data collection — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos

Welding reports — PDF reports with graphs, pressures and times; share by email or WhatsApp

Setup — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR

Versions — PRO (annual subscription, Google Play) for full connectivity; LIGHT (free) as a parameter calculator

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PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo DELTA 500 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø500 mm (18" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø200 – Ø500 MM | 400 V 3-PHASE · 7200 W | 12 KVA GEN. | WI-FI READY



EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four steel clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts
- Self-detaching device assists removal of the heating plate during the welding cycle
- Extractable heating plate with separate thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø200 – Ø500 mm · up to 18" IPS
Materials	HDPE, PP, PVDF
Power supply	400 V three phase 50/60 Hz
Total absorbed power	7200 W
Suggested power generator	12 kVA
Working temperature	180 – 280 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 20 min
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	1265 × 790 × 780 mm
Dimensions Easy Life gearcase (W × D × H)	585 × 384 × 463 mm
Weight machine body	230 kg
Weight standard arrangement	418 kg

STANDARD INCLUSIONS


Machine body


Detach device for heater

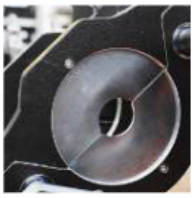

Easy Life gear case


Facer / Miller


Heating plate


Facer / Heater cradle

OPTIONAL EXTRAS


Inserts Ø 200-450mm


Stub Chuck


Machine Body trolley


Electric Crane


Rollers


App "Set & Go Pro"

SET & GO PRO APP

Wi-Fi control — sends parameters to the machine and manages the welding process

Data collection — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos

Welding reports — PDF reports with graphs, pressures and times; share by email or WhatsApp

Setup — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR

Versions — PRO (annual subscription, Google Play) for full connectivity; LIGHT (free) as a parameter calculator

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PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo DELTA 630 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø630 mm (24" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø280 – Ø630 MM | 400 V 3-PHASE · 12350 W | 18 KVA GEN. | WI-FI READY



EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four steel clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts
- Self-detaching device assists removal of the heating plate during the welding cycle
- Extractable heating plate with separate thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø280 – Ø630 mm · up to 24" IPS
Materials	HDPE, PP, PVDF
Power supply	400 V three phase 50/60 Hz
Total absorbed power	12350 W
Suggested power generator	18 kVA
Working temperature	180 – 280 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 20 min
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	1550 × 1010 × 1000 mm
Dimensions Easy Life gearcase (W × D × H)	1000 × 580 × 680 mm
Weight machine body	415 kg
Weight standard arrangement	700 kg

STANDARD INCLUSIONS


Machine body


Detach device for heater

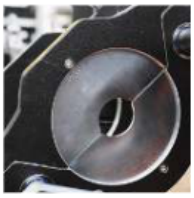

Easy Life gear case


Facer / Miller


Heating plate


Facer / Heater cradle

OPTIONAL EXTRAS


Inserts Ø 280-560mm


Stub Chuck


Machine Body trolley


Electric Crane


Hydraulic Rollers


App "Set & Go Pro"

SET & GO PRO APP

Wi-Fi control — sends parameters to the machine and manages the welding process

Data collection — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos

Welding reports — PDF reports with graphs, pressures and times; share by email or WhatsApp

Setup — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR

Versions — PRO (annual subscription, Google Play) for full connectivity; LIGHT (free) as a parameter calculator

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PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo DELTA 800 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø800 mm (30" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø500 – Ø800 MM | 400 V 3-PHASE · 17200 W | 30 KVA GEN. | WI-FI READY



EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four steel clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts
- Self-detaching device assists removal of the heating plate during the welding cycle
- Extractable heating plate with separate thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø500 – Ø800 mm · 20" – 30" IPS
Materials	HDPE, PP
Power supply	400 V 3F + N + PE 50/60 Hz
Total absorbed power	17200 W
Suggested power generator	30 kVA
Working temperature	180 – 260 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 45 min
Pressure range	0 – 250 bar
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	2100 × 1350 × 1300 mm
Dimensions Easy Life gearcase (W × D × H)	1543 × 600 × 800 mm
Weight machine body	821 kg
Weight standard arrangement	1330 kg

STANDARD INCLUSIONS


Machine body


Detach device for heater


Easy Life gear case


Facer / Miller


Heating plate


Facer / Heater cradle

OPTIONAL EXTRAS


Inserts Ø 500-710mm


Stub Chuck


Machine Body trolley


Electric Crane


Rollers


App "Set & Go Pro"

SET & GO PRO APP

- **Wi-Fi control** — sends parameters to the machine and manages the welding process
- **Data collection** — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos
- **Welding reports** — PDF reports with graphs, pressures and times; share by email or WhatsApp
- **Setup** — choose ISO, DVS, UNI or ASTM standard, pipe diameter and SDR
- **Versions** — PRO (annual subscription, Google Play) for full connectivity; LIGHT (free) as a parameter calculator

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PE WELDING EQUIPMENT · BUTT FUSION · SEMI-AUTOMATIC

Ritmo DELTA 1000 EASY LIFE Butt Fusion Machine

Self-aligning butt fusion machine for pressure pipes up to Ø1000 mm (36" IPS), with the automated welding process managed by the Easy Life gearcase.

Ø630 – Ø1000 MM | 400 V 3-PHASE · 17200 W | 40 KVA GEN. | WI-FI READY



EASY LIFE SYSTEM

Automated cycle
Operator confirms each phase with a single button; pressure adjustments handled automatically

4,000 welds
Internal data logging with PDF reports downloadable via USB

50 pre-sets
Customisable welding cycles stored on the gearcase

SET & GO PRO
Wi-Fi ready — Android app for setup, GPS, barcodes and reports

FEATURES

- Self-aligning butt fusion machine for pressure pipes carrying water, gas and other fluids; built to UNI 10565 and ISO 12176-1
- Machine body with steel load-bearing frame, four steel clamps and two hydraulic cylinders with non-drip quick couplings and steel inserts
- Self-detaching device assists removal of the heating plate during the welding cycle
- Extractable heating plate with separate thermometer
- Extractable electric milling cutter with safety microswitch and overload protection; metal-framed control box with quick-removal system
- Easy Life electro-hydraulic control unit in an impact- and corrosion-resistant box — repeats welding cycles and controls preset parameters automatically; the operator only confirms each phase
- Wi-Fi ready and compatible with the SET & GO PRO app; graphic display for fast parameter setup
- Data logging of up to 4,000 welds with time stamp; PDF reports exported via USB
- Third clamp fixes to the movable clamps to weld elbows, tees, wyes and stub ends; short-neck stub ends with optional accessory

TECHNICAL FEATURES

Parameter	Value
Working range	Ø630 – Ø1000 mm · 24" – 36" IPS
Materials	HDPE, PP
Power supply	400 V 3F + N + PE 50/60 Hz
Total absorbed power	17200 W
Suggested power generator	40 kVA
Working temperature	180 – 260 °C
Outside temperature range	-10 – 40 °C
Time to reach welding temperature	< 45 min
Pressure range	0 – 250 bar
Memory	4000 welding cycles
Pre-set welding cycles	50 customised
Dimensions machine body (W × D × H)	2386 × 1746 × 1711 mm
Dimensions Easy Life gearcase (W × D × H)	1543 × 600 × 800 mm
Weight machine body	2090 kg
Weight standard arrangement	2939 kg

STANDARD INCLUSIONS


Machine body


Detach device for heater


Easy Life gear case


Facer / Miller


Heating plate


Facer / Heater cradle

OPTIONAL EXTRAS


Inserts Ø 630-900mm


Stub Chuck


Machine Body trolley


Electric Crane


Rollers


App "Set & Go Pro"

SET & GO PRO APP

- **Wi-Fi control** — sends parameters to the machine and manages the welding process
- **Data collection** — scans pipe/fitting barcodes and operator badges, records GPS weld locations, before-and-after photos
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Pipe Preparation & Tools

Debeaders, cutters, rollers, rerounders and squeezers for butt fusion

PE WELDING EQUIPMENT · DEBEADERS

Ritmo RED External Debeader

Removes the external bead from completed butt fusion joints on pipes Ø63 – Ø1200 mm — and from plastic sheets.

Ø63 – Ø1200 MM | THREE SIZES | PIPES & SHEETS | INTUITIVE · ACCURATE



HOW IT WORKS

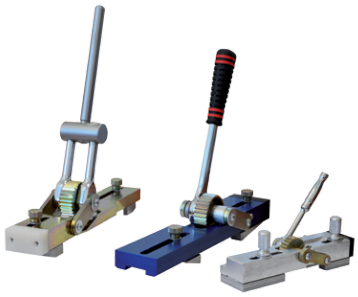
- The tool knocks onto the pipe bead
- Alignment blocks slide against the pipe surface to guide it around the pipe
- The blade cuts under the bead while the handle pulls the tool around, cutting the bead away
- Also works on flat surfaces — removes the bead from sheets without the pipe guides

FEATURES

- Intuitive and easy to use
- Accurate, clean bead removal
- Versatile — pipes up to Ø1200 mm and sheets
- Available in three sizes

TECHNICAL FEATURES

Model	Working range
RED 63 – 125	Ø63 – 125 mm
RED 90 – 400	Ø90 – 400 mm
RED 400 – 1200	Ø400 – 1200 mm
Material	HDPE



RED range — three sizes



Operating RED on a butt fusion joint

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PE WELDING EQUIPMENT · DEBEADERS

Ritmo RID Internal Debeader

Removes the internal bead from butt fusion welded pipe Ø90 – Ø630 mm. Intuitive, accurate and versatile — and composed of few parts.

Ø90 – Ø630 MM | SIX HEADS | HDPE · PP · PVDF | FEW PARTS



COMPLETE KIT

- 6 alloy rods, 2.15 m each — one acts as the turn handle
- 5 centre rings keep the rods centred in the pipe
- Rods delivered in a carrying bag with handle
- Debeader heads: 90 – 110, 125 – 160, 160 – 200, 225 – 315 and 355 – 500 mm

SOLD SEPARATELY

- Debeader head 560 – 630 mm

TECHNICAL FEATURES

Head working range	Max bead width
Ø90 – 110 mm	20 mm
Ø125 – 160 mm	25 mm
Ø160 – 200 mm	25 mm
Ø225 – 315 mm	35 mm
Ø355 – 500 mm	35 mm
Ø560 – 630 mm	45 mm

Materials: HDPE, PP, PP-R, PVDF — contact GWG for other materials and the reference chart of SDR covered.



RID removing the internal bead after butt fusion

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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

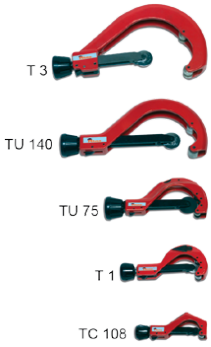
Suitable materials: HDPE, PP, PP-R, PB, PVDF.



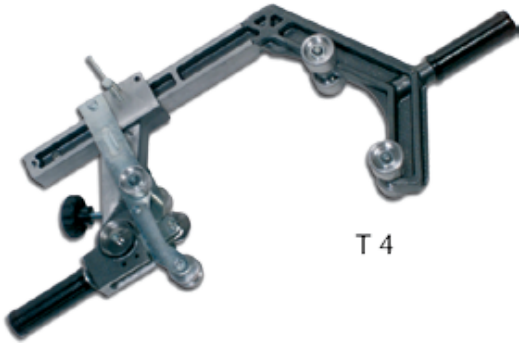
C2 AC shears



C3 AC steel shears



Pipe cutter range — TC 108 to T3



T4 pipe cutter, Ø180 – 315 mm

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PE WELDING EQUIPMENT · 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

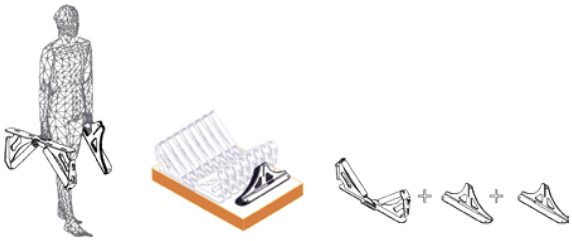
- Complete roller with tools

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

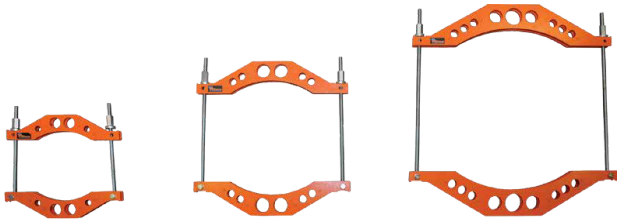
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PE WELDING EQUIPMENT · PIPE PREPARATION

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 · 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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Together, we move water

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