

# **MACHINES & TOOLING**

CATALOGUE



**ASMUSS**  
STEEL & FLOW CONTROL

**THE SMARTER CHOICE.**



## MACHINES & TOOLING

For the most up-to-date pricing and information, please Contact us on:

**E [flowcontrol@asmuss.co.nz](mailto:flowcontrol@asmuss.co.nz)**



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## OUR STORY.

A successful New Zealand-owned business, Asmuss has been trusted to deliver for over 100 years.

Founded in 1920, the Asmuss Group has supplied product to many of New Zealand's biggest industrial and construction projects and is one of the largest privately owned companies in its field.

A focus on quality products, technical excellence and exceptional customer service has always been our cornerstone philosophy.

We believe business longevity is about having a true partnership with our valued suppliers and customers — to ultimately maintain consistency and quality, and succeed together.

## ONE COMPANY, MANY SOLUTIONS.

Prior to 2020 Asmuss traded nationwide under four separate steel and flow control specialist brands.

To make it easier and more simple for our customers to get everything they need from one place, we've recently brought it all together within one company.

This means we will deliver a greater range of products and provide solutions faster — but customers can be assured of continued availability to the specialist Asmuss teams they have come to know and trust.

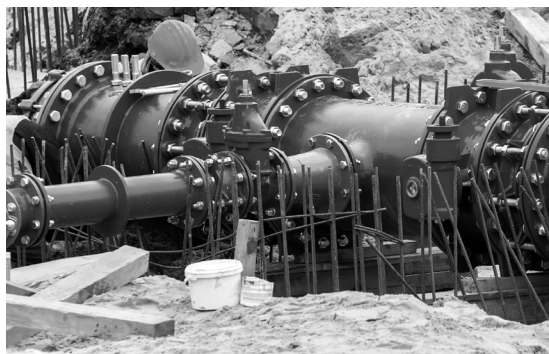
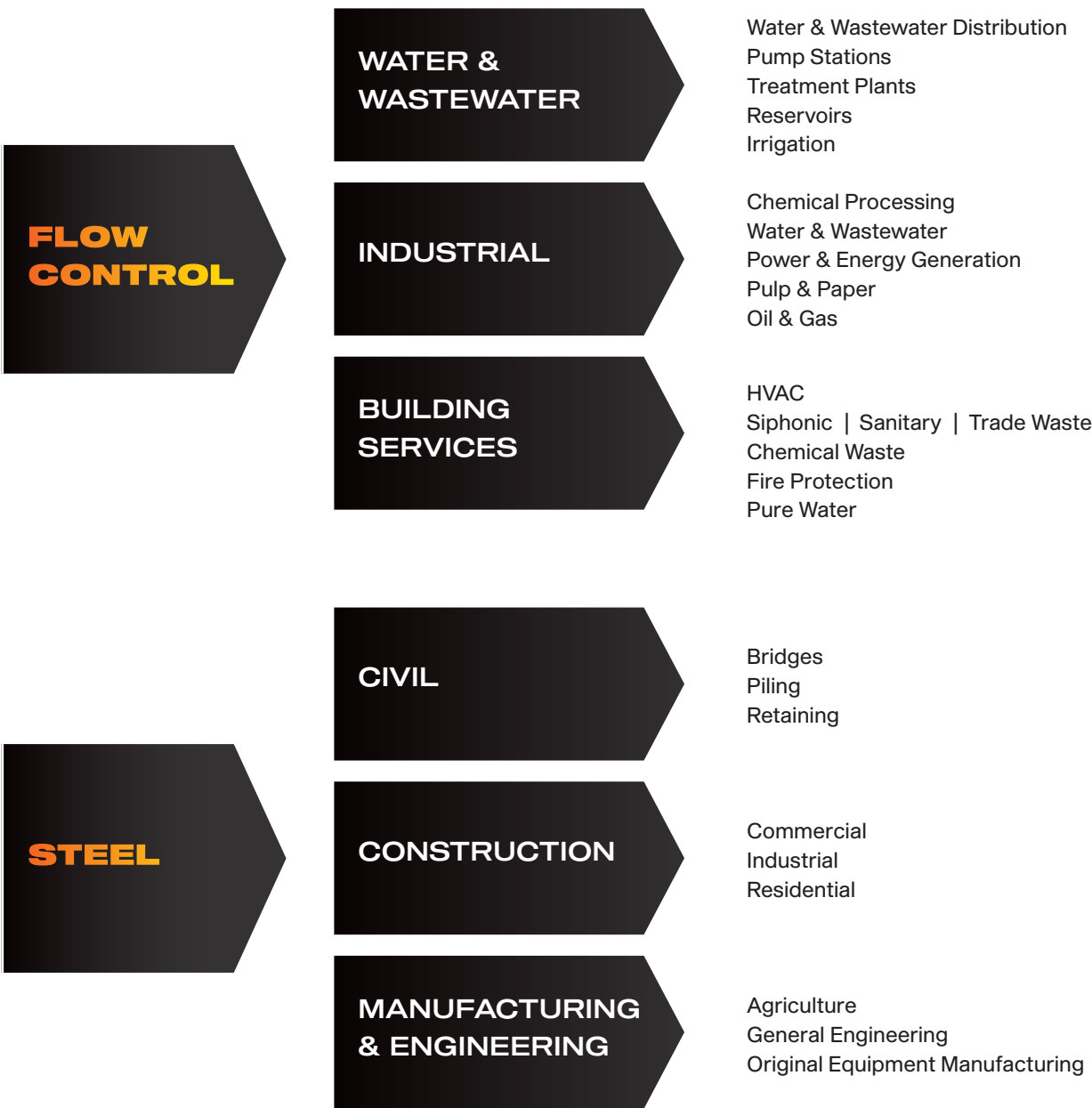
## THE SMARTER CHOICE.

# NATIONWIDE PRESENCE.

With branches strategically located throughout New Zealand, we provide an integrated approach by coordinating our resources across all sites to ensure our customers receive optimal product combinations, tailored to meet specific needs.



# WHAT WE DO.







## WHAT MAKES US DIFFERENT?

We are problem solvers — that's our core business — and we represent some of the world's best steel and flow control brands and products.

Even though our product range is extensive, what makes us different is our people.

We are responsive and easy to deal with; just ask our customers. We build long-term relationships and know our products better than any of our competitors.

By combining our broad product range with local knowledge we offer our clients comprehensive, tailored solutions.

We believe that promptly delivering quality makes infrastructure and construction in New Zealand stronger.

When our customers and suppliers succeed, we succeed.

**We're focussed on creating a stronger New Zealand by helping our customers, communities & people to succeed.**



## THE SMARTER CHOICE.



## MACHINES & TOOLING

### SERVICING AND CALIBRATION.

**Asmuss has an in-house service department with trained and certified technicians, that provide servicing, calibration, trouble shooting and repairs for all the tools we support which include Ritmo, Plasson, Grossenbacher and Novapress**

Our service workshop has state-of-the-art manufacturers approved testing and calibration equipment and we hold a range of spare parts, so we can get your machines and tools back in the field as quickly as possible.

As authorised repair agents we extend our services to all repairs and maintenance even for items that have not been purchased through Asmuss.





# OUR BRANDS.

**Asmuss sources tools and machinery from a range of quality manufacturers to provide the best options for our customers varying needs.**

Before making your selection please contact our team so we can recommend the appropriate tools and machines that best suit your requirements. Not all parts shown in this catalogue are held in stock.

Please request pricing, technical advice and availability from our customer service team on 0800 ASMUSS.



## THE SMARTER CHOICE.



# ELECTROFUSION MACHINES

## PLASSON CONTROL BOX COMPARISON TABLE

FEATURES	PF MONOMATIC	PF POLYMATIC PLUS USB	PF POLYCONTROL PLUS V2
5M lead	2001001	2001005	
10M lead	2001002	2001006	2001008
15M lead	2001005	BE90M/025	
Welds	Only Plasson automatic fittings up to 355mm	All EF fittings up to 800* (*Sizes above 355mm require a cooling period between welds.)	All EF fittings. Continuous welding. (No cooling between welds)
Weld tip size	4.0mm	4.0mm	4.0mm
Plasson SmartFuse mode (Automatic)	Y	Y	Y
Manual input of welding time	N	Y	Y
Welding voltage	40V	8-48V	8-48V
Output current (maximum)	60A (80A)	80A (110A)	80A (110A)
USB data interface	Y	Y	Y
Bluetooth	Y	Y	Y
Multilingual display messages (7)	Y	Y	Y
Error messages in plain text	Y	Y	Y
Adjustable display contrast	Y	Y	Y
Dynamic process supervision	Y	Y	Y
Auto software check	Y	Y	Y
Resistance check	Y	Y	Y
Ramped start	Y	Y	Y
Service message	After 200 Hours or 12 Months	After 200 Hours or 12 Months	After 200 Hours or 12 Months
Barcode reading capability	N	Y	Y
Fitting and operator traceability	N	Y	Y
Earth pin	15A	15A	15A
Active cooling	N	N	Y

\*Detailed specifications for each model available from Plasson.

## PLASSON CONTROL BOX

### REQUIRED GENERATOR SPECIFICATIONS

Input voltage range	190-300V
Frequency	40-70V
Minimum output	18A at 240V - single phase
Must be able to drive inductive loads Must have phase cut control Mechanically regulated with brushes is the preferred system Synchronized generator Minimum 6.5 kVA - Mechanically controlled 7.5 kVA - Electronically controlled	

### MINIMUM REQUIRED GENERATOR OUTPUT POWER 240 V, 50HZ, 1-PHASE

DIAMETER	OUTPUT POWER
20-75mm	2 kW
90-160mm	3.2 kW
180-500mm	4.5 kVA (mechanically controlled)
	5 kVA (mechanically controlled)
>- 500mm	6.5 kVA (mechanically controlled)
	7.5 kVA (mechanically controlled)

ELECTROFUSION MACHINES

PLASSON ELECTROFUSION MACHINES

MONOMATIC DATA  
(USB + BLUETOOTH)



For Plasson “SmartFuse” fittings only.

Built in memory of 500 welds.

**PFMONU5B5MFXED4.0**  
Working range 20-355mm  
(Plasson fittings only)

**Standard Composition:**

- Transport case
- 4.0-4.7mm adaptor pins
- Plasson automatic detection (Smart Fuse system)
- Data recording (USB)
- Bluetooth / SmartFuse App

POLYMATIC PLUS  
(USB + BLUETOOTH)



Suitable for PE, PP & PPR from 8-48v.

Built in memory of 1000 welds.

**PFPOLYMATICPLUSBT/V2**  
Working range 20-800mm

**Standard Composition:**

- Transport case
- 4.0-4.7mm adaptor pins
- Scanner
- Plasson automatic detection (Smart Fuse system)
- Data recording (USB)
- Bluetooth / SmartFuse App
- Manual input of time and voltage option

POLYMATIC PLUS  
(USB + BLUETOOTH) V2.0



Suitable for PE, PP & PPR from 8-48v.

Built in memory of 1000 welds.

**POLYCONTROLPLUSV2-4.0**  
Working range all sizes

**Standard Composition:**



- Transport case
- 4.0-4.7mm adaptor pins
- Bar Code pen
- Plasson automatic detection (Smart Fuse system)
- Data recording (USB)
- Bluetooth / SmartFuse App
- Manual input of time and voltage option

## TECHNICAL FEATURES RITMO ELEKTRA S-M


FEATURES	ELEKTRA S	ELEKTRA M
Working range *	20 - 200*	20 - 315*
GPS	On request	On request
Automatic ambient temperature compensation	√	√
Continuous welding cycle monitoring	√	√
Barcode scanner (ISO 13950)	√	√
Manual welding parameters input	Tension/time welding barcode digits	Tension/time welding barcode digits
Welding report	√	√
Connections	USB port (type A)	USB port (type A)
Welding report format	PDF - BIN - CSV	PDF - BIN - CSV
Memory	4000 Cycles	4000 Cycles
Sound alarm	√	√
Error detection	√	√
Fusion time	√	√
Cooling time	√	√
Connectors	90° Universal adapters 4.00 - 4,7 mm	90° Universal adapters 4.00 - 4,7 mm
Ambient temperature range	-20° - 50° C	-20° - 50° C
Power supply (Vac)	110 V ± 15% 230 V ± 15%	110 V ± 15% 230 V ± 15%
Frequency	50/60 Hz	50/60 Hz
Max output current	"60 A (110 V) 70 A (230 V)"	"80 A (110 V) 100 A (230 V)"
Welding output voltage **	8 - 48 V	8 - 48 V
Absorbed power ***	1700W (110 V) *** 1800 W (230 V)***	2200 W (110 V) *** 2300 W (230 V) ***
Suggested generator	3,5 - 4 kVA	5,5 - 6 kVA
Protection degree	IP 54	IP 54
Electrical fuse protection	√	√
Display	2,4" LCD Graphic	2,4" LCD Graphic
Machine body overall dimensions	246 x 390 x 240 mm	246 x 390 x 240 mm
Carrying case overall dimensions	290 x 445 x 295 mm	290 x 445 x 295 mm
Weight machine body	5,75 Kg	6,55 Kg

ELECTROFUSION MACHINES

RITMO ELECTROFUSION MACHINES

ELEKTRA SMALL PE PRESURE MACHINE	
	Suitable for PE, PP & PPR from 8-48v. Built in memory of 4000 welds.
	<b>RITMOELEKTRA200</b> Working range 20-200mm
	<b>Standard Composition:</b> <ul style="list-style-type: none"><li>• Transport case</li><li>• 4.0-4.7mm adaptor pins</li><li>• Optical barcode scanner</li></ul>
ELEKTRA MEDIUM PE PRESURE MACHINE	
	Suitable for PE, PP & PPR from 8-48v. Built in memory of 4000 welds.
	<b>RITMOELEKTRA315/V2</b> Working range 20-315mm
	<b>Standard Composition:</b> <ul style="list-style-type: none"><li>• Transport case</li><li>• 4.0-4.7mm adaptor pins</li><li>• Optical barcode scanner</li></ul>


GEBERIT ELECTROFUSION MACHINES - DRAINAGE


GEBERIT ESG 3 PE DRAINAGE MACHINE	
	Suitable for PE, PP & PPR from 8-48v.
	<b>GEBERITESG3 –</b> Working range 40-315mm
	<b>Standard Composition:</b> <ul style="list-style-type: none"><li>• Transport case</li><li>• Leads for 40-160mm &amp; leads for 200-315mm Couplers</li><li>• 3 Link leads for welding up to 3 fittings 40-110mm at once</li></ul>




## TOOLS


### WELDING TERMINAL PIN ADAPTORS

PLASSON ADAPTORS		
	Code	Details
	PF20300004	<ul style="list-style-type: none"> <li>Adaptor 4.0 lead</li> <li>4.7 fitting</li> <li>90° angle (pair)</li> </ul>


SMARTFUSE ADAPTORS		
	Code	Details
	PF20200007	<ul style="list-style-type: none"> <li>Adaptor 4.0 lead</li> <li>4.7 fitting</li> <li>90° angle (pair)</li> </ul>

CALDERTECH FITTING CONNECTOR TERMINAL ADAPTORS		
	Code	Details
	APEEFG-FADPT	<ul style="list-style-type: none"> <li>4.0mm Ø male probe</li> <li>x 4.7mm Ø female receptacle</li> <li>2 pack</li> </ul>
	APEEFADPT	<ul style="list-style-type: none"> <li>4.7mm Ø male probe</li> <li>x 4.0mm Ø female receptacle</li> <li>2 pack</li> </ul>

### INTERNAL DE-BEADING TOOLS

RITMODEBEAD/90-500			
	Features	Options	SDR
	<p>Intuitive, easy to use, versatile and composed of few parts. A complete kit set has a working range of 90mm – 500mm and is composed of:</p> <ul style="list-style-type: none"> <li>6 pcs of alloy rods 2.15m each (one is acting as a turn handle)</li> <li>5 pcs of centre rings to ensure that the rods are in the centre of the pipe.</li> <li>Alloy rods are delivered in a special carrying bag with a handle.</li> </ul> <p>Internal Debeader Heads included and also available separately.</p>	90 – 110mm	17-26
		125 – 140mm	11-26
		160 – 200mm	11-26
		225 – 315mm	11-26
		355 – 500mm	11-26 up tp 450mm
		500mm	17-26

### SQUEEZE OFF TOOLS

RITMOSQUEEZEOFF/063			
	Features	Options	SDR
	Manually operated and quick and easy to operate making it suitable for on-site applications to stop water or gas flow.	20-63mm	SDR17 and SDR11

## TOOLS

### PE PEELING TOOLS

#### PLASSON PES PIPE END PEELER SDR11 WITH CORDLESS DRILL



- Suitable for several pipe dimensions by changing the mandrels
- Ovality compensation
- Variants for individual dimensions are also available
- Compatible with common cordless screwdrivers
- Suitable for PE, PE-HD, PE-X, PP
- Mandrels for other SDR are available on request
- Also available without cordless drill 4\_4200\_100

**PF44200S100**

Working range 32-63mm (SDR11)

#### PLASSON HAND PEELER

	Code	Details
		Suitable for drainage pipework.
	<b>PF53002001</b>	1½" Blade
	<b>PF53002003</b>	2½" Blade

#### PLASSON RATIONAL PIPE END PEELING TOOL

Features	Code	Details
Covers a range of pipe diameters. Rapid assembly on pipe end. Consistent peel depth. Ovality compensation.	<b>PF44200015</b>	63-200mm
	<b>PF44200027</b>	90-315mm
	<b>PF44200016</b>	180-400mm
	<b>PF24201003</b>	Spare blade for 90-315mm peeler
	<b>PF24201005</b>	Spare blade for 63-200mm peeler
	<b>PF24201008</b>	Spare blade for 315 and 400mm peeler



#### PLASSON ROTATIONAL CHAIN PEELING TOOL

Features	Code	Details
Covers a range of pipe diameters. Provides consistent peel depth. Ovality compensation. Used on pipe ends and saddles.	<b>PF44200013</b>	110-400mm
	<b>PF44200009</b>	250-800mm
	<b>PF44200010</b>	Extension links 900-1000mm
	<b>PF24201003</b>	Spare blade



#### PLASSON ROTATIONAL CHAIN PEELING TOOL


Features	Code	Details
Compact tool. Rapid assembly on pipe. Consistent peel depth. Ovality compensation. Fixed pipe diameter.	<b>PF44800063</b>	63mm
	<b>PF44800075</b>	75mm
	<b>PF44800090</b>	90mm
	<b>PF44800110</b>	110mm
	<b>PF44800125</b>	125mm
	<b>PF44800140</b>	140mm
	<b>PF44800160</b>	160mm
	<b>PF44800180</b>	180mm
	<b>PF44800200</b>	200mm
	<b>PF44800225</b>	225mm
	<b>PF44800250</b>	250mm
	<b>PF44800280</b>	280mm
	<b>PF44800315</b>	315mm




#### PLASSON ELECTRICAL SADDLE PEELER

	Code	Details
	<b>PF44200024</b>	For high speed peeling of saddle surface on any pipe diameter.


### PLASSON ROTATIONAL PEELING TOOL

Features	Code	Details
	<b>PF44200031</b>	20-125mm
	<b>PF44200014</b>	90-315mm
	<b>PF24201004</b>	Spare blade for 215mm peeler
	<b>PF24201003</b>	Spare blade for 315mm peeler

### CALDERVALE UNIPREP PIPE END PEELING TOOL

	Code	Size
	Caldervale Uniprep Pipe End	
	<b>CALDERUNI-PREP/250</b>	63-250mm
	<b>CALDERUNI-PREP/400</b>	90-400mm
	<b>CALDERUNI-PREP/500</b>	110-500mm
	<b>CALDERUNI-BLADE</b> (Spare blade for above peelers)	


### PLASSON BATTERY POWERED CHAIN PEELER

Features	Code	Details
	A new battery powered solution for fast, efficient preparation of large bore PE pipe for electrofusion welding. The chain peeler with larger blade replaces hand powered tools to remove the oxidised and contaminated outer layer on PE pipe by peeling a consistent 0.2 - 0.3mm layer from the pipe surface. Supplied with two quick change batteries and 230 V charger.	
	<b>PF2006047</b>	400-800mm
	<b>PF24201003</b>	Spare blade
	<b>PF2006050</b>	Extension Kit (900-1000mm)

### RITMO TURBO PEELING TOOLS

Features	Code	Range	Peeling Length
	<b>TURBO 20</b>	20mm	45mm
	<b>TURBO 25</b>	25mm	45mm
	<b>TURBO 32</b>	32mm	45mm
	<b>TURBO 40</b>	40mm	55mm
	<b>TURBO 50</b>	50mm	55mm
	<b>TURBO 63</b>	63mm	55mm
	<b>RITMOTUR-BOBLADE/1</b>	Peeling Blade	
	<b>RITMOTUR-BOBLADE/2</b>	Facing Blade	

### CALDER PREP PEELING TOOLS

Features	Code	Size
	Inserts into pipe offering a degree of re-rounding for coil use	
	<b>CALDERPREP/040</b>	40mm
	<b>CALDERPREP/050</b>	50mm
	<b>CALDERPREP/063</b>	60mm
	<b>01-07-331</b> (Spare blade for above peelers)	40-63mm

TOOLS

ALIGNMENT TOOLS

RITMO ALIGNER 500



An essential and professional tool for the alignment and support of pipes during electrofusion from Ø 125mm to 500mm (4" IPS ÷ 20" IPS). The ALIGNER is entirely made of steel, featuring a central adjustable joint and pipe fastening clamps fixed on axes. The adjustable joint can be set on 4 different working positions to allow welding at preset angles such as 45°, 90°, "in line" and T welding. Axes have V-shaped clamps positioned on them, which are equipped with pipe fastening belts. The system, along with fixing the pipe to the clamp, serves also as a centering device. Each axis has 2 guides on which the clamps are able to slide. Practical side handles ensure an easy grip during movement and positioning, both during welding procedures, and preparation.

RITMOALIGNER/500	Working range 125 - 500mm
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PLASSON ALIGNER 560



Used to prevent movement during the weld process. A convenient, flexible system for holding PE pipes steady during the electrofusion process. Does not assist with rerounding. For larger dimensions it is recommended to combine two or more Pipe Clamps. Includes:

- 4 pipe clamps
- 2 base bars
- Angled adaptor 22.5°, 45° & 90°

PF44300023	Pipe Clamp 110-560mm
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CALDERTECH TITAN SERIES STRAP CLAMPS



The Titan Series Strap Clamps will hold HDPE pipe securely during the weld process while also being capable of pulling up to 12m lengths of pipe into position.

- Quick to install and easy to use
- Fast acting "tug and tension" straps
- Includes pull together ratchet
- No liners required

SC200T	Titan pull together clamp, double clamps, ratchet runner bar 40-200mm
SC500T	Titan pull together clamp, double clamps, ratchet runner bar 160-500mm

## PLASSON QUICK ALIGNER



Strong, lightweight and mobile alignment tool.  
 Rapid assembly.  
 Supplied with transport case

<b>PF44300001</b>	Working range 32 - 110mm
<b>PF44300009</b>	Working range 63 - 225mm

## PLASSON PIPE PULLING CLAMP SET



Included in set:

- 2 complete clamps each with a pulling clamp
- 1 fixed clamp and pulling shoes for couplers

Greatly assists positioning of slip couplers.

<b>PF44300026</b>	Pipe Clamp 250 - 800mm
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## PLASSON PIPE SUPPORT



Code	Range	Dimensions
<b>PF44601007</b>	DN200-1400mm	800 x 340 x 670mm
<b>PF44601003</b>	DN32-225mm	590mm x 790mm footprint, when erected by 1065mm high


## TOOLS

### REROUNDING CLAMPS AND TOOLS


#### PLASSON REROUNDING CLAMP

	Code	Details
	REROUND-CLAMP/040	40mm
	REROUND-CLAMP/050	50mm

#### PLASSON ROUNDING RING

	Code	Details
	Ideal for rerounding large diameter thick wall pipe while it is in the trench. Removes ovality, simple operation.	
	PF53006063	63mm
	PF53006075	75mm
	PF53006090	90mm
	PF53006110	110mm
	PF53006125	125mm
	PF53006140	140mm
	PF53006160	160mm
	PF53006180	180mm
	PF53006200	200mm
	PF53006225	225mm
	PF53006251	250mm


#### PLASSON HYDRAULIC ROUNDING SHELL

	Code	Details
	Ideal for rerounding large diameter thick wall pipe while it is in the trench.	
	PF53008013	Hydraulic Jack 315-400mm
	PF53008001	Rounding Shell 315mm
	PF53008002	Rounding Shell 355mm
	PF53008003	Rounding Shell 400mm
	PF53008041	Hydraulic Jack 450-630mm
	PF53008004	Rounding Shell 450mm
	PF53008005	Rounding Shell 500mm
	PF53008006	Rounding Shell 560mm
	PF53008007	Rounding Shell 630mm
	PF53008015	Hydraulic Jack 710-900mm
	PF53008008	Rounding Shell 710mm
	PF53008009	Rounding Shell 800mm
	PF53008010	Rounding Shell 900mm
Notes: 1 x Hydraulic Jack required for each shell. 2 x Shells required (1 shell each side of fitting). Use with Pipe Pulling Clamp Set PF44300026.		


#### PLASSON REROUNDING RING

	Code	Details
	PF44602021	63-180mm (de-forming force: 0.85 tonne)
	PF44602003	110-250mm (de-forming Force: 1.2 tonne)
	PF44602004	180-315mm (de-forming force: 2.2 tonne)

#### PLASSON HYDRAULIC REROUNDER

	Code	Details
	For pipe diameters 450-800mm, thick wall pipe, simple assembly.  Supplied with transport case.	
	PF44602012	450-800mm

#### RITMO UNIVERSAL STYLE ROUNDING CLAMPS

Code	Code
	
RITMOREROUND/250-400	250-400mm
RITMOREROUND/450-560	450-560mm
RITMOREROUND/630-800	630-800mm
Supplied with transport case.	



## PLASSON TOPLOAD SADDLE INSTALLATION TOOLING

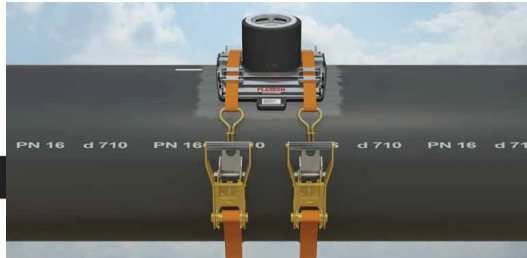
### FAST AND SIMPLE INSTALLATION

Use of an innovative field friendly clamping system:

- Designed to obtain full contact along the welding zone.
- Lightweight.
- No need for additional tools.

### UNIVERSAL

Outlets available in DN90, 110, 125, 160, 180, 200, 225, 250, 315, 400 and Female BSP 2" thread.



### INSTALLATION REQUIREMENTS

To install a Plasson large bore saddle the following are required:

- A Clamp Kit to suit the outlet size of the saddle
- Strap Kit/Tensioning Tools for outlet sizes DN180 - DN400
- A Core Cutter to core the saddle after welding
- A Drill/Motor to operate the Core Cutter

## PLASSON SPLITTABLE SADDLE CLAMP KIT




Includes

- Splittable plates: DN90, DN110, DN125 & DN160
- Pressure test spigot removal tool
- Straps
- Tensioning tools
- Rounding ring
- Transport case

**PF44701003**

Saddle outlet: DN90 - DN160.

## PLASSON SPLITTABLE SADDLE CLAMP SETS

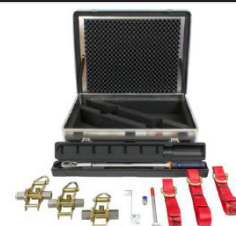
	Code	Details
	<b>PF44701207</b> Saddle outlet: DN180/DN200	Includes <ul style="list-style-type: none"> <li>• Splittable plate: suits DN180 or DN200</li> <li>• Rounding ring and adapters</li> <li>• Transport case</li> </ul>
	<b>PF44701250</b> Saddle outlet: DN225/DN250	Includes <ul style="list-style-type: none"> <li>• Splittable plate: DN250</li> <li>• Rounding ring and adapter</li> <li>• Transport case</li> </ul>
	<b>PF44701227</b> Saddle outlet: DN225, SDR17	Includes <ul style="list-style-type: none"> <li>• Splittable plate: DN225, SDR17</li> <li>• Pressing tool</li> <li>• Transport case</li> </ul>
	<b>PF44701315</b> Saddle outlet: DN315	Includes <ul style="list-style-type: none"> <li>• Splittable plate: DN315</li> <li>• Pressing tool</li> <li>• Transport case</li> </ul>
	<b>PF44701400</b> Saddle outlet: DN400	Includes <ul style="list-style-type: none"> <li>• Splittable plate: DN400</li> <li>• Pressing tool</li> <li>• Transport case</li> </ul>

## PLASSON STRAP KIT/TENSIONING TOOLS

All clamp kits for pipe mains DN180-DN900.

Includes:

- 3 x straps
- 3 x ratchets
- Torque wrench
- Pressure test spigot removal tool
- Transport case



**PF2012020**

Strap Kit/Tensioning Tools

## TOOLS

### PLASSON TOPLOAD SADDLE INSTALLATION TOOLING

#### PLASSON CORE CUTTING KIT



**Please note:** drills not included - see below. Includes:

- 1x DN90 Core cutter
- 1x Centre drill bit
- 1x DN110 Core cutter
- 1x Drill chuck connector
- 1x DN125 Core cutter
- 1x Connector for SDS-Plus
- 1x DN160 Core cutter
- 1x Transport case

PF44702000 Saddle outlet: DN90 - DN160

#### PLASSON LARGER BORE CORE CUTTERS

	Code	Details
	<b>Please note:</b> drills not included - see below.	
	PF44702143 Saddle outlet DN180 DN180 core cutter, borehole 143mm	Includes • Drill adaptor and case
	PF44701201 Saddle outlet DN200 DN200 core cutter, borehole 159mm	Includes • Drill adaptor and case
	PF44702196 Saddle outlet DN225 DN225 core cutter, borehole 179mm	Includes • Drill adaptor and case
	PF44702199 Saddle outlet DN250 DN250 core cutter, borehole 199mm	Includes • Drill adaptor and case
	PF44702251 Saddle outlet DN315 DN315 core cutter, borehole 251mm	Includes • Drill adaptor and case
	PF44702319 Saddle outlet DN400 DN400 core cutter, borehole 319mm	Includes • Drill adaptor and case

#### PLASSON DRILLS DN90 - DN250 OUTLET

	Code	Details
	BE75-X3 Quick drilling machine with modified 225Nm gear including hexagon bit and adaptor for core cutter.	
	PF2012016	for use up to DN250mm.

#### PLASSON OUTLET MOTOR

	Code	Details
	PF44702911	DN250 - DN400

#### PLASSON MOTOR MOUNTING CLAMP

	Code	Details
	PF2012032	DN250
	PF2012033	DN315
	PF2012034	DN400

## HOT TAPPING TOOL

### HOT TAPPING TOOL AS4087 PN16 FLANGE DN150 WITH 230V MOTOR



- The drive offers a high torque at low RPM.
- Can drill pressurised plastic pipes with a DN150 ISO-flanged saddle up to PN16.
- The hot tapping of pressurized PE pipes can only be done after the welding of the saddle and a following pressure test.
- The geometry of the core cutters (diameter and length) is attuned to the available Plasson saddles so that after drilling, the full inner diameter of the branch available can be used (full bore).

PF44705001

## TOOLS FOR WASTEWATER SADDLES

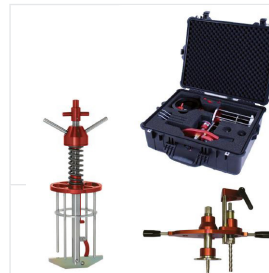
### PLASSON WASTEWATER CLAMPING AND CUTTING TOOL SET 110



- 110mm X 45 degrees fixed outlet saddle clamp kit including:
- Topload splittable clamp unit
  - Straps
  - Drill not included

**PF44703001** suit mains pipe sizes DN160-DN315

### PLASSON TOOL FOR WASTEWATER SADDLE 160



- 160mm Flexible outlet saddle clamp Kit. Includes:
- Saddle clamp unit including clamp and straps
  - Drill not included

**PF44700001** Main pipe sizes DN225-DN560

### PLASSON FLEX RESTRAINT INSTALLATION KIT



**PFFLEX-RTE504E** 160-1600mm

## RULLING AND MARKING

### PLASSON MAGNETIC CIRCULAR PIPE RULER



**PF44402001** Up to 800mm

### CIRCUMFERENTIAL TAPE



**PF55003001** 20-700mm with Vernier 0.1mm  
**PF55003000** 20-1200mm with Vernier 0.1mm

### MARKING PENS



**PF53100018** Broad white marking pens (12pens/1box)

## TOOLS

### RULLING AND MARKING (CONTINUED)

#### PIPE OVALIT / FLAT SPOT GAUGE



Code	Details
PIPEGAUGE/315	315MM
PIPEGAUGE/355	355MM
PIPEGAUGE/400	400MM
PIPEGAUGE/450	450MM
PIPEGAUGE/500	500MM
PIPEGAUGE/560	560MM
PIPEGAUGE/630	630MM
PIPEGAUGE/710	710MM
PIPEGAUGE/800	800MM

#### CALDERVALE EXTERNAL CALLIPER



The External Calliper is an easy to use tool designed to measure the outside diameter and ovality of pipes of all materials.

Code	Details
CALDERCALIPER/300	300mm
CALDERCALIPER/600	600mm
CALDERCALIPER/1000	1000mm
CALDERCALIPER/1200	1200mm
CALDERCALIPER/1600	1600mm

### CUTTING TOOLS

#### PIPE/WHEEL CUTTERS



These are professional tools, essential for the manual cut of plastic pipes up to 160mm.

The T1, TU 140, and T3 pipe cutters are made with the very best alloys, and are very manageable and practical to use.

The pipe cutters can be fitted with various special blades with appropriate cutting heights and penetration capacities to cut pipes of different materials.

RITMOCUTTER/063	T1 Working Range: 6-64mm
RITMOCUTTER/140	TU140 Working Range: 50-140mm
RITMOCUTTER/160	T3 Working Range: 100-160mm

#### SHEARS

Essential for the manual cut of plastic pipes, such as Polypropylene (PP) and Polypropylene Random (PP-R) up to PN 25, Polyethylene (HDPE), Polybutene (PB) and Polyvinylidenfluoride (PVDF) up to 75mm.

Shears made entirely of steel.



Code	Working Range
RITMOC2	max 42mm
RITMOC3	max 75mm

#### ROTATIONAL PIPE CUTTER



Rotational pipe cutter with quick adjustment, reversible blade. Clean cut.

Code	Working Range
PF44400003	110-315mm

#### PLASSON ROTARY CIRCULAR SAW



- For safe cutting of PE pipes
- Ensures square cut – essential for electrofusion success
- No contamination which can happen with chain saws
- Chain guided
- On/off safety foot switch
- Can be used on pipes in the dimension range 250-1200mm.

PF44401002	250 - 500mm
PF44401001	500 - 1200mm

## BEVELLERS

### RITMO SME BEVELLERS



These are professional tools for beveling the ends of plastic pipes up to 315mm, which will be inserted into electrical couplers or plug-in joints. The SME 1 and SME 2 PLUS bevelers are made in a special Aluminum alloy. The shape of the blades and the non-stick coating (PTFE) of the walls, allow a quick and easy bevel of the pipe.

Code	Working Range
<b>RITMOSME</b>	25 - 160mm
<b>RITMOSME2PLUS</b>	40 - 315mm
Supplied With: Beveler body with blade.	

## GEBERIT MAPRESS TOOLS

### MAPRESS STARTER KIT



- Including:
- Aco203 Pressing Tool
  - Jaws
  - Battery and charger
  - Deburrer And Marking Tools

**MPRESSKIT** Suitable for d15-35mm

### PRESSING TOOL



- Including:
- Aco203 Pressing Tool
  - Jaws
  - Battery and charger
  - Deburrer And Marking Tools

691.218.P6.1	Aco 203 (2), in case: AS/NZS 3112
691.228.P6.1	Aco 203XI (2XI), in case: AS/NZS 3112

### PRESSING TOOL JAWS



Code	For Fitting
<b>Pressing Jaw (2)</b>	
90532	355MM
90534	400MM
90535	450MM
90536	500MM
<b>Pressing collar set (2), in case</b>	
691.296.00.2	d42-54mm
<b>Pressing collar set (2XL), in case</b>	
691.188.00.1	d76.1/88.9Mm
691.189.00.1	d108mm
<b>Adaptor jaw (2XL)</b>	
691.186.00.1	d76.1/88.9 & 108mm
<b>Adaptor jaw ZB 222 (2XL)</b>	
691.187.00.1	d108mm

### CASE FOR GEBERIT PRESSING JAW



691.137.00.1

### PRESSUE TEST PLUG



Code	For Fitting
90922	d15mm
90924	d22mm
90925	d28mm
90926	d35mm
90927	d42mm
90928	d54mm
90929	d76.1mm
90930	d88.9mm
90931	d108mm

### BRUNOX TURBO-SPRAY

- Rust neutralizer
- Epoxy primer

**90000** Suitable for d15-35mm

### INSERTION DISTANCE TEMPLATE



90351	d12-108mm (includes marker pen)
90358	

### PIPE DEBURRER



91088	d12-54mm
91092	Set of cutting wheels

### GEBERIT BATTERY CHARGER

690.598.P6.1	Charger - 18V: AS/NZS 3112
690.599.00.1	Geberit li-ion battery 18V



# PE PRESSURE BUTT FUSION MACHINES

## RITMO BUTT FUSION MACHINES (MANUAL)

The Delta Dragon range of butt fusion welding machines are manufactured to the highest quality and are designed for welding pressure pipelines for the transportation of water, gas and other fluids. All machines are self-aligning and are supplied complete with base machine, heating plate and support, milling cutter, electro-hydraulic gear-case and a complete set of reduction insert clamps.

### DELTA DRAGON 160 - 355B



#### Standard composition

- Machine body
- Heater plate
- Milling cutter
- Electrohydraulic gearcase
- Supports

#### Optional extras:

- Tool for flanges
- Machine body trolley
- Electrical crane

Model	Working Range
Delta Dragon 160	40 - 160mm
Delta Dragon 200	63 - 200mm
Delta Dragon 250B	75 - 250mm
Delta Dragon 315B	90 - 315mm
Delta Dragon 355B	125 - 355mm

### DELTA 500 - 630

#### Standard composition

- Machine body
- Extractable heating plate
- Extractable electric milling cutter
- Milling cutter/heating plate support
- Electrohydraulic gearcase
- Supports

#### Optional extras:

- Tool for flanges
- Machine body trolley
- Electrical crane
- Rollers

Model	Working Range
Delta Dragon 500	200 - 500mm
Delta Dragon 630	355 - 630mm



### DELTA 800 -1600



#### Standard composition

- Machine body
- Heater Plate
- Milling cutter
- Electrohydraulic gearcase
- Supports

#### Optional extras:

- Tool for flanges
- Machine body trolley
- Electrical crane
- Milling cutter/heating plate trolley
- Hydraulic pipe lift rollers (1600 model)

Model	Working Range
Delta Dragon 500	200 - 500mm
Delta Dragon 630	355 - 630mm

## PE PRESSURE BUTT FUSION MACHINES

### RITMO BUTT FUSION MACHINES (SEMI AUTOMATIC)

#### EASY LIFE



The EASY LIFE range of machines incorporate the EASY LIFE control System and Gear Case that enable a quick and simple selection of pressure, time and temperature which can be modified whenever necessary.

All machines are self-aligning and are supplied complete with base machine, heating plate and support, milling cutter, EASY LIFE gear case and a complete set of reduction insert clamps.

The EASY LIFE in-built memory can store up to 400 welding cycles which can be summarised in a PDF format and transferred through a USB port.

Model	Working Range
<b>Easy Life 160</b>	40 – 160mm
<b>Easy Life 200</b>	63 – 200mm
<b>Easy Life 250</b>	75 – 250mm
<b>Easy Life 315</b>	90 – 315mm
<b>Easy Life 355</b>	125 – 355mm
<b>Easy Life 500</b>	200 – 500mm
<b>Easy Life 630</b>	280 – 630mm

Optional extras:

- Tool for flanges
- Electrical crane
- Trolley for 630 machine

#### CNC BUTT FUSION MACHINES



Butt fusion welding can be managed automatically by using the Delta Dragon CNC system; this eliminates any risk of error due to the operator. It is available in two versions: SA (Semi-Automatic) and FA (Fully Automatic).

The CNC systems are available for the Delta Dragon 250B and 315B models. The easy to use software and control panel allow the operator to select from a variety of common welding standards, select pipe diameter and SDR from which the machine automatically calculates the required welding parameter (pressure, time and temperature).

The CNC in-built memory can store up to 600 welding cycles which can be summarised in a PDF format and transferred through a USB port.

The complete configuration includes:

- A linear transducer applied to the machine body;
- A manually extractable heating element (SA) or an automatically extractable heating element (FA)
- Hydraulic hoses with non-drip quick couplings for connecting the gear case to the machine body
- A milling cutter/heating plate support
- A transducer cable for connecting the gear case to the machine body

Model	Working Range
Delta Dragon 500	200 - 500mm
Delta Dragon 630	355 – 630mm

Optional extras:

- Tool for flanges
- Electrical crane
- Trolley for 630 machine

#### THE INSPECTOR (V2) - DATA RECORDING UNIT

Data logging that controls, records and generates a PDF report of the entire welding process. The Inspector is an "open system" that can be used with Ritmo machines or others.

The large graphic display allows an easy reading of welding reports.

The Inspector is installed in a hard case made of PP, with protection degree IP 67. It is sold with a bag that contains the data logging and the battery charger with international adapters.

- Preloaded major welding Standards (ISO, DVS, and others)
- Memory of 1000 cycles
- USB port for Welding Report in PDF
- Integrated GPS
- Firmware upgradable via USB
- Battery operated (24 hr of operational work)



# PE DRAINAGE BUTT WELDERS

## MINI 160 JOYT



Mini 160 Joyt is a portable butt fusion welder for drainage pipes up to 160mm OD.

It's characterised by the extractable heating plate, safety micro-switches on the milling cutter to avoid accidental starting and the articulated lateral supports.

Working range 40 - 160mm

Standard composition

- Machine body
- Heater plate
- Clamp set

## MAXI 315



A professional welding machine ideal for medium sized pipes and sewers up to 315mm. The MAXI315 can weld fittings such as bends and tees. Branches can also be welded thanks to the single clamps (available on request) indicated for all diameters in the working range. Available in 110 V and 230 V.

Working range 90 - 315mm

Standard composition

- Machine body with pressure regulating device
- A pair of clamps
- Two lateral supports
- Electrically controlled milling cutter
- Extractable heating plate with automatic electronic device to control the temperature
- Sliding support
- Tip-up metal frame on wheels that acts as a work bench and protection when transporting the machine





**A RANGE OF RITMO FABRICATION MACHINES ARE ALSO AVAILABLE, PLEASE CONTACT OUR TEAM ON 0800 ASMUSS OR FLOWCONTROL@ASMUSS.CO.NZ**

## STARGUN EXTRUSION WELDERS K-SB-20 | R-SB50

STARGUN is the line of handy and easy to use extruder welders.

All models distinguish for being light, compact and very smooth during the welding phase. The entire line is supported by a series of interchangeable Teflon® shoes which allow the STARGUN to adapt to every kind of welding situation: from plane sheets to oblique angles.

Applications include containing tanks, fume treatment towers, scrubbers, chemical hoods, aspiration systems and for joining linings and geo-textiles. All the models can be provided with different types of handles.

	Stargun Solo 20	Stargun Solo 30	Stargun Solo 40	Stargun K-SB 50
				
<b>Materials</b>	HDPE, PP	HDPE, PP	HDPE, PP	HDPE, PP
<b>Output</b>	2.2 Kg/h HDPE	3.2 Kg/h HDPE	4 Kg/h HDPE	5 Kg/h HDPE
<b>Rod</b>	3 - 4mm 1/8" - 5/32"	3 - 4 - 5mm; 1/8" - 5/32" - 3/16"	5mm; 3/16"	4 - 5mm; 5/32" - 3/16"
<b>Weight</b>	6.85 Kg (15.2 lb)	7.1 Kg (16.5 lb)	7.6 Kg (16.7 lb)	9 Kg (19.8 lb)
<b>Max absorber power</b>	2700 W 230 V 50/60 Hz	3100 W 230 V 50/60 Hz	3300 W 230 V 50/60 Hz	4000 W 230 V 50/60 Hz
<b>Sheet</b>	1,5-20 mm; 1/16" ÷ 0.8"	1,5-30 mm	1,5-30 mm	1,5 - 40 mm



# MACHINES & TOOLING

For the most up-to-date pricing and information, please Contact us on:

E **flowcontrol@asmuss.co.nz**





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