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ROWELD®

Plastic Pipe Welding

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Plastic Pipe Welding

System Overview


Cutting

	ROCUT® 110	ROCUT®160	ROCUT® XL 125	ROCUT® XL 225
				
Suited for	PE, PP, PVC, PEX, PVDF, PB***	PE, PP, PVC, PEX, PVDF, PB***	PE	PE
Outer pipe diameter:	Ø 32 - 110 mm	Ø 110 - 160 mm	up to Ø 125 mm	up to Ø 225 mm
Wall thickness:	up to max. 16 mm*	up to max. 16 mm*	up to max. 11,4 mm	up to max. 18 mm
Operation mode:	manual	manual	manual	manual
Function:	Cutting, Chamfering	Cutting, Chamfering	Cutting	Cutting
Page	264, 265	264, 265	266	266

Socket Welding

	Heating Plate HE 120	Heating Plate HE 200	Heating Plate HE 300
			
Suited for:	PE, PP, PVDF	PE, PP, PVDF	PE, PP, PVDF
Outer pipe diameter:	up to Ø 120 mm	up to Ø 200 mm	up to Ø 300 mm
Wall thickness:	–	–	–
Operation mode:	manual	manual	manual
Page	267	267	267

Electro-Fusion Welding

	ROFUSE Sani 160	ROFUSE 400 TURBO	ROFUSE 1200 TURBO
			
Suited for:	PE, PP	PE, PP	PE, PP
Outer diameter:	up to Ø 160 mm	up to Ø 400 mm	up to Ø 1200 mm**
Socket type:	Sockets for pressureless systems	Sockets for pressure sewer systems	Sockets for pressure sewer systems
Voltage:	230 V	8 - 48 V	8 - 48 V
Documentation:	–	✓	✓
Page	271	272	272

Plastic Pipe Welding

System Overview

Cutting

ROCUT® XL 315



ROCUT® UKS 160 / 355



Socket Welding

ROWELD® P63-S6



ROWELD® P125



Suited for:	PE	PE, PP, PVC	PE, PP	PE, PP
Outer pipe diameter:	up to Ø 315 mm	Ø 160 - 355 mm	up to Ø 160 mm	up to Ø 400 mm
Wall thickness:	up to max. 18 mm	up to max. 40 mm	32 - 63 mm	16 - 125 mm
Operation mode:	manual	manual	manual	electric
Function:	Cutting	Cutting	Socket welding	Socket welding
Page	266	266	268	267

Butt Welding

ROWELD® P110



ROWELD® P160



ROWELD® P250A



Suited for:	PE, PP, PVDF	PE, PP, PVDF	PE, PP, PVDF
Outer pipe diameter:	Ø 20 - 110 mm	Ø 40 - 160 mm	Ø 40 - 250 mm
Wall thickness:	SDR see Technical Data	SDR see Technical Data	SDR see Technical Data
Operation mode:	manual	manual	manual
Page	274, 275	276, 277	278, 279

Hot Gas Welding

ROWELD® Quick S



ROWELD® WG 1600 E



Suited for:	thermoplastics, technical Textiles, Roofing materials Sheets, Pool liners, Films	thermoplastics, technical Textiles, Roofing materials Sheets, Pool liners, Films
Power:	1.500 W	1.500 W
Weight:	1,4 kg	0,7 kg
Air requirement:	–	80 - 250 l/min
Page	270	270

Plastic Pipe Welding

Cutting

ROCUT® 110 / ROCUT® 160

Cutting and chamfering tool for right-angled cutting and chamfering (15°), Ø 32 - 160 mm



Product Profile

APPLICATION AREA

Suitable for thin and thick-walled PVC, PE, PP, PEX, PB and PVDF pipes, as well as sound-insulated drain pipes. Utmost precision in a single operation

KEY FEATURES

- Only one tool required for cutting, chamfering and deburring
- Extremely long service life with optimum cutting geometry
- Special accessories for PE, PP, PEX, PB and sound-insulated pipes

KEY FEATURES

- Uniform chamfering of the entire pipe circumference
- Continuously adjustable pipe clamping pressure
- Integrated internal deburrer is stored in the handle
- Pipe cutting also possible without chamfering, as cutter blade shaft can be mounted with 180° offset

TECHNICAL DATA

ROCUT® 110:	Ø 32 - 110 mm
ROCUT® 160:	Ø 110 - 160 mm



No. 55035

ROCUT® 110 Set (No. 55035) / (No. 55037) includes: ROCUT® 110 (No. 55020), internal deburrer (No. 55018), clamping set 50, 75 and 110 mm, with standard cutter blade shaft and cutter blade insert (No. 55029), cutter wheel (No. 54950) (for sound-insulated pipes), plastic carrying case (No. 55016), with Set (No. 55037) is No. 55029 not included



No. 55063

ROCUT® 160 Set (No. 55063) includes: ROCUT® 160 (No. 55030), internal deburrer (No. 55018), 2 clamping sets, cutter blade shaft with copying and, HM cutter blade insert (No. 55019), plastic carrying case (No. 55017)



Handheld operation



Clamping in a parallel vice



ROCUT® 160 with cutter blade



ROCUT® 110 with cutter wheel (No. 54950) (special accessories)



Model	Working range Ø mm	kg	No.
ROCUT® 110 set	50, 75, 110	3.9	55035
ROCUT® 110 set for sound-insulated pipes	58, 78, 110	3.9	55037

Model	Working range Ø mm	kg	No.
ROCUT® 160 set	110, 125, 160	5.6	55063

ACCESSORIES

Model	g	No.
Cutter blade for internal deburrer	10	21652
Plastic carrying case for ROCUT® 110	850	55016
Plastic carrying case for ROCUT® 160	1,400	55017
Internal deburrer with blade	150	55018

You'll find clamping jaw sets on 265



ROCUT® 110

Basic unit Ø 32 - 110 mm

For use with clamping sets Ø 32 - 100 mm, without internal deburrer, with standard cutter blade shaft and cutter blade (No. 55029)

ROCUT® 110 with cutter wheel (No. 54950) (special accessories)



No. 55020

Model	mm	g	No.
Basic unit ROCUT® 110	110	2,450	55020
Clamping set*	100	110	55048
Clamping set*	90	150	55021
Clamping set*	80	170	55047
Clamping set*	78	180	55062
Clamping set*	75	210	55022
Clamping set*	63	220	55023
Clamping set*	58	230	55013
Clamping set*	56	270	55024
Clamping set*	50	290	55025
Clamping set*	40	300	55027
Clamping set*	32	330	55026

* Clamping set (1 set = 2 semi-circular segments)

ROCUT® 160

Basic unit Ø 110 - 160 mm

Cutter blade shaft with automatic copying and cutter blade (No. 5.5019), for use with clamping sets Ø 110 - 140 mm, without internal deburrer

ROCUT® 160 with cutter blade



No. 55030

Model	mm	g	No.
Basic unit ROCUT® 160	160	3,450	55030
Clamping set*	140	180	55031
Clamping set*	125	250	55032
Clamping set*	110	310	55033

* Clamping set (1 set = 2 semi-circular segments)



No. 54960



No. 54961

With automatic copying



No. 55029

No. 55019

HM Cutter Blade Inserts

ROCUT® 110 and ROCUT® 160

Model	Cutting depth mm	g	No.
Cutter blade shaft with Automatic copying and HM cutter blade inserts	7.5	110	54960
Cutter blade shaft with Automatic copying and HM cutter blade inserts	12.5	120	54961
Spare HM cutter blade insert for Cutting and chamfering 15°	7.5	10	55029
Spare HM cutter blade insert for Cutting and chamfering 15°	12.5	20	55019

Cutter Wheels

ROCUT® 110 and ROCUT® 160



No. 54950

No. 055053D

No. 055054D

No. 055074D

Model	Cutting depth mm	g	No.
Cutter blade shaft with Cutter wheel (No. 55074)	16.0	130	54950
Spare cutter wheels (2 pcs.)	8.6	10	055053D
Spare cutter wheels (3 pcs.)	13.0	20	055054D
Spare cutter wheels (2 pcs.)	16.0	20	055074D

Plastic Pipe Welding

Cutting

ROCUT® UKS 160 / 355

High-performance orbital circular saw Ø 160 - 355 mm



Product Profile

APPLICATION AREA

For cutting of plastic pipes made of PE, PP and PVC
For use on the building site or in the workshop

KEY FEATURES

- Right-angled cuts with no misalignment
- Efficient and economical operation with high cutting speed
- Safe operation with saw blade guard
- Optimum pipe centering

TECHNICAL DATA

Voltage: 230 V 50/60 Hz
Power: 1,750 W
Outer pipe diameters: 160 - 355 mm
Wall thickness pipe: 8 - 40 mm

Saw blade guard

Safe operation

Central clamping

Optimum pipe centering



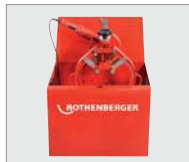
No. 55505

Rubberised guide rollers

Right-angled cuts with no misalignment



Transport box without saw
No. 1200000526



Four rubberised clamping & guide rollers ensure right-angled cuts with no misalignment



Secure clamping and optimum pipe centering are guaranteed by the central trapezoidal clamping device



Model	kg	No.
ROCUT® UKS 160 / 355, complete with HM saw blade (No. 55505), without transport box	12.9	1000000532
Spare HM saw blade 180 x 30 mm	0.6	55505
Transport box 700 x 350 x 500 mm	16.8	1200000526

ROCUT® XL

Pipe cutter for pipes Ø 125 - 315 mm

Product Profile

APPLICATION AREA

For cutting-off pipes in trenches, for making repairs or extensions

KEY FEATURES

- Can be easily adjusted anywhere at the pipe
- Robust blade made of stainless steel

An optimised cutting angle for easier pipe cutting

The lower clamp can be folded out completely. Therefore ROCUT® XL can be used at any desired position of the pipe





Replacement blade

Scope of delivery: 1 replacement blade + fastening screws

Model	kg	No.
For ROCUT® XL 125	0.3	1500000793
For ROCUT® XL 225	0.7	1500000794
For ROCUT® XL 315	2.1	1500000795

12



Description			Wall thickness	No.
ROCUT® XL 125 up to 125 mm		up to 4"	max. 11.4 mm	1500000789
ROCUT® XL 225 up to 225 mm		up to 8"	max. 18 mm	1500000790
ROCUT® XL 315 up to 315 mm		up to 12"	max. 18 mm	1500000792

Plastic Pipe Welding

Socket Welding



ROWELD® P 125

Socket welding unit for use with heating spigots and heating sockets for Ø 16 - 125 mm, as well as adaptor plates for butt welding

Product Profile

APPLICATION AREA

With three simultaneously usable welding combinations for free-handed working or workbench assembly using table mounting clamp

KEY FEATURES

- Process reliability with the temperature control according to DVS, CEN and ISO standards
- With high-quality non-stick Teflon coating, long service life and manufactured according to DVS regulations
- Electronic temperature control and monitoring, as well as prevention against unintentional temperature adjustment
- Saves time and money with quick-exchange system for heating plates
- Optimum temperature distribution over the entire working area
- 4 holes for mounting of heating spigots and heating sockets



Set (No. 55546) includes: basic unit, table mounting clamp, heating spigots / heating sockets 63, 75, 90, 100 and 125 mm, steel case

Model	Power watts	mm	Control Model	kg	230 V 50/60 Hz
P 125	1,300	16 - 125	electronically	3.10	55321
P 125 Set	1,300	63 - 125	electronically	17.05	55546



No. 55321

Heating spigots / Heating sockets



Adaptor plate



Heating Spigots / Heating Sockets

Model	kg	No.	Model	kg	No.
16	0.06	55585	40	0.26	55592
17	0.06	55586	50	0.37	55593
18	0.08	55587	63	0.60	55594
19	0.08	55588	75	0.89	55595
20	0.08	55589	90	1.33	55596
25	0.10	55590	110	2.07	55597
32	0.17	55591	125	2.33	55598

ROWELD® HE Heating Plates

Heating plates for butt welding of PE, PP, PVDF and PB pipes and fittings with Ø 20 - 250 mm

Product Profile

APPLICATION AREA

Plastic pipe heating plates for free-handed working or workbench assembly using table mounting clamp

KEY FEATURES

- Long service life and manufactured according to DVS regulations
- Process reliability with the temperature control according to DVS, CEN and ISO standards
- Electronic temperature control and monitoring as well as prevention against unintentional temperature adjustment
- Save time and money with quick-exchange system for heating plates



Power watts	Heating element Ø mm	Control Model	kg	230 V 50/60 Hz	110/115 V 50/60 Hz
500	120/45°	electronically	1.80	55518	55517
800	200	electronically	3.25	55316	55851
1,500	300	electronically	5.35	55317	55854
Table mounting clamp			0.45	55524	55524

ACCESSORIES

Model	kg	No.	Model	kg	No.
Table mounting clamp for P 125	0.45	55524	Floor stand for ROWELD® P 125	0.44	55539
Adaptor plate for butt welding ROWELD® P 125 Ø 160 mm (1 set = 2 pcs) non-stick Teflon coating				1.15	55536

Plastic Pipe Welding

Socket Welding

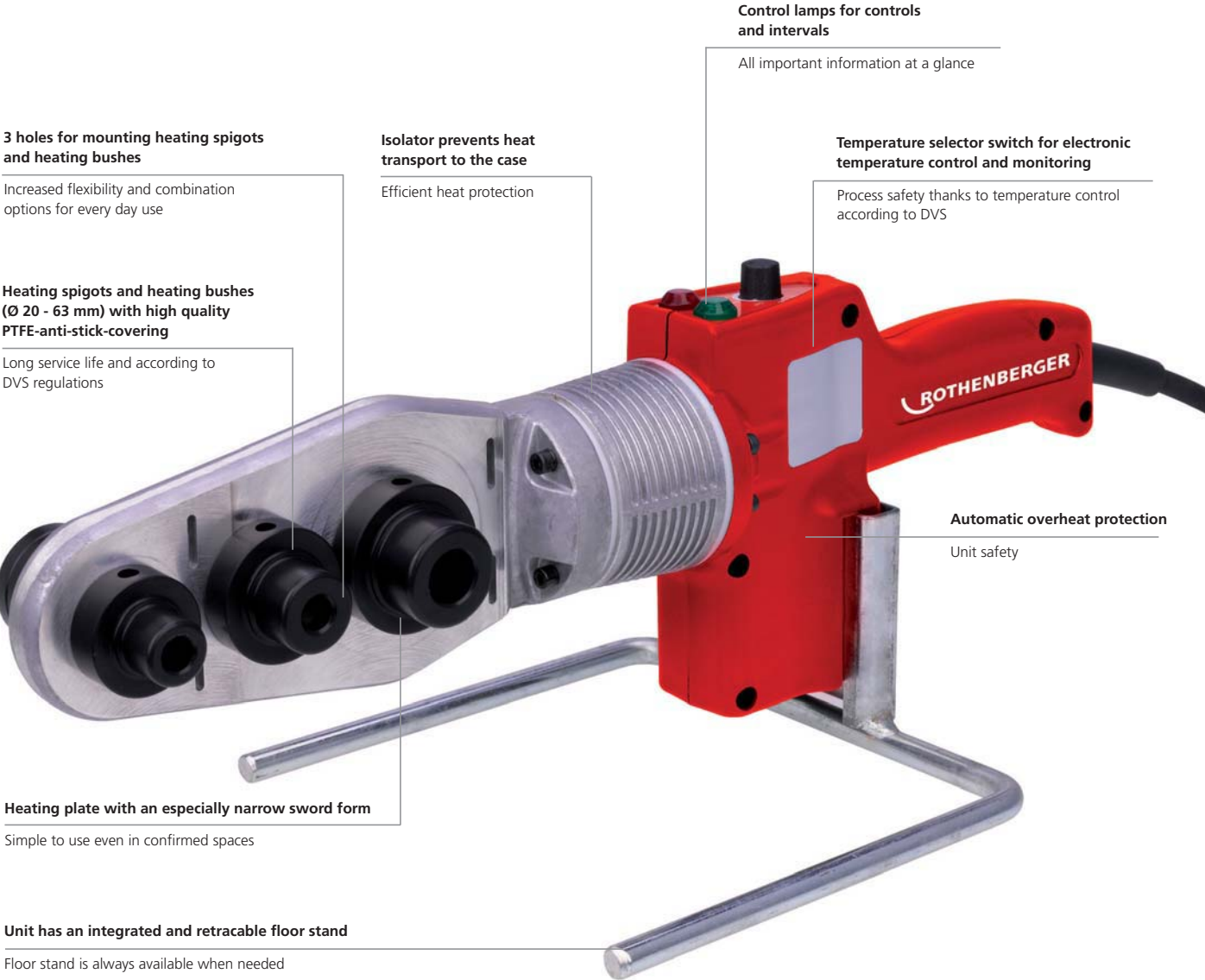
ROWELD® P 63 S-6 Sword

Socket welding unit Ø 20 - 63 mm



Product Profile
APPLICATION AREA Socket welding unit for use with heating spigots and heating sockets Ø 20 - 63 mm with three simultaneously usable combinations for welding sockets, pipes and fittings up to Ø 63 mm
KEY FEATURES <ul style="list-style-type: none"> Increased flexibility and combination options for every day use Long service life and according to DVS regulations All important information at a glance Safe operation with the temperature control as per DVS regulations

KEY FEATURES
<ul style="list-style-type: none"> Light and handy for fatigue-free use Simple to use even in confined spaces Floor stand is available at all times
TECHNICAL DATA
Power: 800 W Model: Thermostatic or electronically controlled Pipe diameter: For sockets, pipes and fittings from Ø 20 - 63 mm Voltage: 230 V, 50 / 60 Hz 110 / 115 V, 50 / 60 Hz



Plastic Pipe Welding

Socket Welding

ROWELD® P 63 S-6 Sword Set


P-63 S-6 Sets include: Heating spigots, allen key size 6 (No. 321216), socket-head screws, table mounting clamp, loor stand, plastic carrying case



Fig. P 63 S-6, thermostatically controlled



Fig. P 63 S-6, electronically controlled

Model	Working range Ø mm	Control watts	Description		230 V	110/115 V
P 63 S-6 set	20, 25, 32	800	thermostatic	4.30	053892X	053894X
P 63 S-6 set	20, 25, 32, 40, 50, 63	800	thermostatic	5.30	053893X	1000001245
P 63 S-6 set	20, 25, 32	800	electronically	4.30	053890X	
P 63 S-6 set	20, 25, 32, 40, 50, 63	800	electronically	5.30	053891X	
P 63 S-6 single unit		800	thermostatic	1.78	053897X	1000001270
P 63 S-6 single unit		800	electronically	1.78	053896X	

P 63 S-6 set thermostatically controlled





Secure workbench operation, integrated holder for the table mounting clamp



Heating Spigots & Sockets (Form A) for P 63 S-6

With high-quality non-stick Teflon coating with a long service life and manufactured according to DVS regulations

Working range Ø mm		No.
20	80	53511
25	100	53512
32	170	53513

Working range Ø mm		No.
40	260	53514
50	370	53515
63	600	53516

Plastic Pipe Welding

Hot Gas Welding

ROWELD® Quick S / WG 1600 E



Product Profile

APPLICATION AREA

Processing of roofing materials. Welding of sheets, films, tents, in boat building, refuse dump construction. Shrinking of fittings and sleeves in the electrical industry. Repair and processing of plastic parts in automobile repair shops. Hot air welding, shaping and shrinking of thermoplastics in the workshop or on building sites

KEY FEATURES

- Suitable for continuous operation
- Light, handy and robust
- Welding temperature up to 700° C, continuously adjustable
- Clip-on speed nozzles, no screws
- Easy fitting of the nozzles in all working applications

KEY FEATURES

- Service-friendly: Heater assembly easily replaceable
- Ideal for stationary use in the workshop, powerful, light (700 g) and handy hot gas welding unit (WG 1600 E)
- Active device protection for a long service life. In case of an air supply failure, a safety circuit reduces the heating power and switches it off completely after 30 seconds (WG 1600 E)

TECHNICAL DATA

Air requirement: 80 - 250 l / min
We recommend the air compressor V 26, (No. 53378) for the WG 1600 E

Heating element: heating element with electronic temperature control



No. 55760



No. 55780

Model	kg	230 V 50 / 60 Hz
ROWELD® Quick S complete with 5 mm tubular nozzle (No. 55769)	1.4	55760

Model	g	230 V 50 / 60 Hz
ROWELD® WG 1600 E complete with 5 mm tubular nozzle (No. 55769)	700	55780

Nozzles and Accessories for Quick S and WG 1600E



Model	Part-No.	mm	g	No.
Universal tubular nozzle	1	5.0	40	55769
Wide slot nozzle, angled	2	20.0	50	55778
Wide slot nozzle	3	40.0	60	55779
Speed nozzle for round welding rod	4	3.0	20	55773
Speed nozzle for round welding rod		4.0	20	55774
Speed nozzle for round welding rod		5.0	20	55775
Triangular speed nozzle for profiled welding rod	5	5.0	20	55776
Triangular speed nozzle for profiled welding rod		7.5	20	55777
Tacking nozzle	6	20	20	55772
Shrinkage reflector	7	60		55783

Model	Part-No.	g	No.
Pressure roller, 45 mm for overlap welding of sheets	8	210	55816
Universal scraper set for preparing welded seams (consisting of handle, triangular, heart and multi-shaped blades)	9	210	53380
Phillips screwdriver for nozzle mounting	10	40	73152
Heating plate 1,500 Watt	11	80	55800
Spare carbon (1set = 2 pcs.) for Quick S		10	55793
Reinforced plastic pipe 3 m (f. WG 1600 E)	12	350	55782
Steel case for ROWELD® HG 1600 E		4,400	55799

Plastic Pipe Welding

Electro-Fusion Welding

ROWELD® ROFUSE Sani 160

Universal electro-fusion welding unit for drainage pipe with welding sockets up to Ø 160 mm



Product Profile

APPLICATION AREA

Universal electro-fusion welding unit for PE and PP drainage pipe fittings, for 230 V fittings. For the following makes: Geberit, Akatherm-EUR, Coes, Valsir, WAVIN-Duo, Aquatherm and Vulcathene-Euro

KEY FEATURES

- Microprocessor-controlled welding unit with automatic temperature compensation of the welding time
- Visual monitoring of the welding process
- Large operating radius
- Robust and impact resistant casing (IP 54)
- Automatic welding parameter settings

TECHNICAL DATA

Input Voltage:	230 V
Tolerance:	180 V - 280 V
Frequency:	40 Hz - 70 Hz
Output voltage:	230 V
Protection class:	IP 54
Temperature range:	-5 °C up to + 40 °C
Max. Output current:	5 A
Weight:	1.4 kg
Dimensions:	120 x 160 x 77 mm
Welding cable:	3 m

Microprocessor

Controlled welding unit with automatic temperature compensation

Clear, digital display

Visual monitoring of the welding process

Impact-resistant casing (IP 54)

Robust

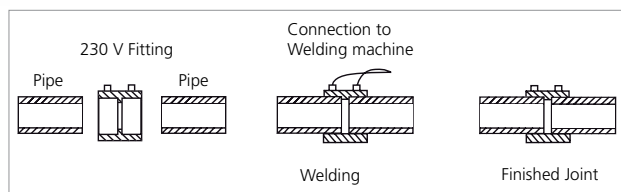
3 m welding cable

Large operating radius

Carrying bag



Easy to transport



Model



No.

ROWELD® ROFUSE Sani 160 with carrying bag

1.4

54230

Electro-Fusion Welding

ROFUSE 400/1200 TURBO

Universal electrofusion welding units for PE- and PP-fittings up to 400 and up to 1200 mm diameter.

Product Profile


KEY FEATURES

- **Safety:** The Heat-Control (HC) function evaluates based on ambient temperature, device temperature and fitting and checks if the next fitting can be welded completely. This process is fully automated and indicated through a green or a red light shown on the display. This prevents any emergency shut-off of the unit due to overheating.
- **Performance:** Due to the Active-Cooling (AC) function, the unit is ideally fitted for continuous use since the heat removal is maximised by the installed ventilator.
- **Complete solution:** All cables are securely stowed away inside the robust housing. The housing also offers sufficient space for accessories, tools or fittings.
- **Professional Documentation:** All saved welding sequences can be transferred to a computer with a USB drive. From the computer the data can be archived and printed using the read out programme "RODATA 2.0".
- **Barcode Generator:** „RODATA 2.0“ offers also the possibility to encrypt the name of the welder and the name of the construction site as a barcode. This barcode can then be scanned at the job site.

TECHNICAL DATA:

Mains Voltage:	230 V
Frequency:	50 Hz / 60 Hz
Power:	3.000 VA, 70 % ED
Output current (nominal output):	80 A
Welding voltage:	8 - 48 V
Ambient temperature:	-10 °C up to 60 °C
Working range	
ROFUSE 400 TURBO:	Fittings up to 400 mm
ROFUSE 1200 TURBO:	Fittings up to 1200 mm
Protection class:	IP 54
Transmission interface:	USB v 2.0
Storage capacity:	2.000 welding logs
Weight incl. welding cable:	approx. 21,5 kg
(Basic unit without accessories)	

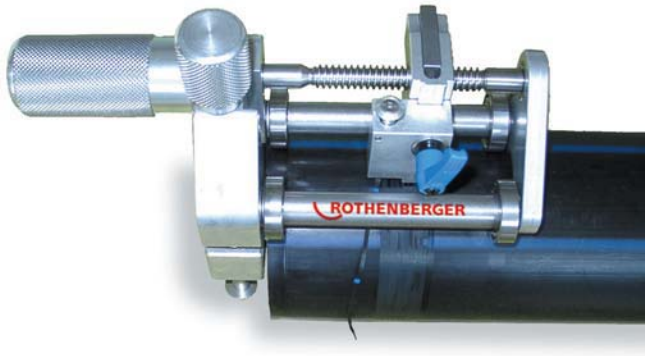


Model	 g	No.
ROFLUSE 400 TURBO	21.5	1000000999

Model	 g	No.
ROFUSE 1200 TURBO	21,5	1000001000

Peeling device for electric socket welding

For secure, quick preparation of the pipe, in transport case.



Description	Ø Model	No.
Size I	32 - 110 mm	53240
Size II	110 - 500 mm	53250

Squeezing device

● Mechanical:

Range of use from Ø 32 - Ø 63 mm.
To avoid damage to the squeezed area, distance plates can be adjusted on the side.

● Hydraulic:

Range of use from Ø 75 - Ø 225 mm.
Functions as mentioned above.
With this unit you can reform squeezed pipes with the help of the rounding shells.



Description	Ø Working range	No.
Squeezing device mechanical	32 - 63 mm	53200
Squeezing device hydraulic	75 - 180 mm	53210
Squeezing device hydraulic	160 - 225 mm	53220

Clamping device for electric socket welding

For alignment and fixation of the pipe before and during the welding cycle.

Double clamp short

For alignment and fixation of the pipe before and during the welding cycle.

Description	Ø	No.
Double clamp adjustable	32 mm	53251
Double clamp adjustable	40 mm	53252
Double clamp adjustable	50 mm	53253
Double clamp adjustable	63 mm	53254
Double clamp short	75 mm	53255
Double clamp short	90 mm	53256
Double clamp short	110 mm	53257
Double clamp short	125 mm	53258
Double clamp short	140 mm	53259
Double clamp short	160 mm	53260
Double clamp short	180 mm	53261
Double clamp short	200 mm	53262
Double clamp short	225 mm	53263

Quad clamps

For manufacturing standard connections with rod shaped material Ø 63 - 225 mm.

Rounded clamps

For fixation of the welding depth and for rounding PE pipes after squeezing.

Description	Ø	No.
Quad clamp	75 mm	53272
Quad clamp	90 mm	53273
Quad clamp	110 mm	53274
Quad clamp	125 mm	53275
Quad clamp	140 mm	53276
Quad clamp	160 mm	53277
Quad clamp	180 mm	53278
Quad clamp	200 mm	53279
Quad clamp	225 mm	53280
Rounded clamp	25 mm	53281
Rounded clamp	32 mm	53282
Rounded clamp	40 mm	53283
Rounded clamp	50 mm	53284
Rounded clamp	63 mm	53285

Butt Welding

ROWELD® P 110

Plastic pipe welding machine Ø 20 - 110 mm



Product Profile

APPLICATION AREA

For butt welding of pipes and fittings made of PE, PP, PB and PVDF.
Particularly suited for installation work and for work in confined spaces - also in pipe networks

KEY FEATURES

- Production of segmented bends possible
- Precise pressure adjustment
- Single and double-sided trimming possible

KEY FEATURES

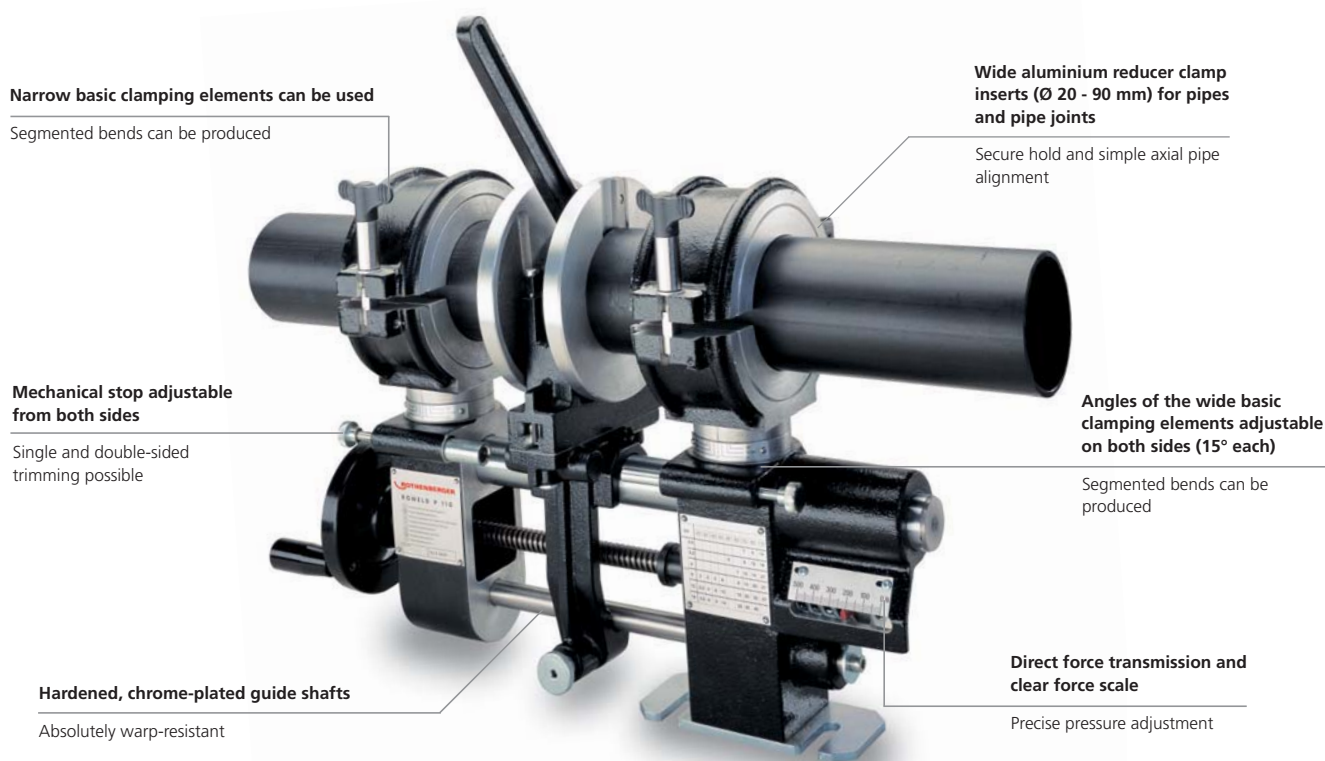
- Production of pipe and fitting joints
- Secure hold and simple axial pipe alignment

TECHNICAL DATA

Pipe diameter: Ø 20 - 90 mm (SDR 41 - SDR 7.25)
Ø 20 - 110 mm (SDR 41 - SDR 11)

Weight: 8.5 kg

Size: 450 mm total length

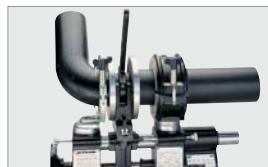


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Rectangular heating element



Joints between fittings and pipes with narrow and wide clamping elements




By adjusting the basic clamping element angles on both sides (15° each side) segmented bends can be produced



Scope of delivery (No. 55844): Basic machine (No. 55787) with table mounting brackets, manual trimmer unit (No. 55826), electronically controlled heating plates, basic clamping set R/R (No. 55807) (Ø 110 mm) and basic clamping set R/F, left (No. 55808) (Ø 110 mm), reducer clamping inserts R/R and R/F for Ø 40 - 90 mm, assembly tools, table mounting clamp (No. 55524), transport box (No. 55832)



Model	Working range Ø mm	Temperature control	 kg	230 V 50/60 Hz	110/115 V 50/60 Hz
ROWELD® P 110 complete	40. 50. 56. 63. 75. 90. 110	electronically	43	55844	55924

Plastic Pipe Welding

Butt Welding

ROWELD® P 110 Basic Machine

Model	kg	No.
ROWELD® P 110 basic machine with table mounting bracket	6.8	55787



Basic Clamping Set 110 mm

Model	kg	No.
For wide/pipe joints (1 set = 2 clamps)	2.5	55807
For narrow/fitting joints, left (1 clamp)	1.0	55808
For narrow/fitting joints, right (1 clamp)	1.0	55809



No. 55807



No. 55808 / No. 55809

Reducer Clamping Inserts Wide

Each set includes 4 aluminium half-shells

mm	kg	No.	mm	kg	No.
20	1.9	55318	56	1.6	55122
25	1.9	55126	63	1.4	55121
32	1.8	55125	75	1.6	55120
40	1.7	55124	90	1.1	55119
50	1.7	55123			



Reducer Clamping Inserts Narrow

Each set includes 4 metal half-shells

mm	kg	No.	mm	kg	No.
20	0.6	55319	56	0.5	55130
25	0.6	55134	63	0.5	55129
32	0.5	55133	75	0.4	55128
40	0.5	55132	90	0.3	55127
50	0.5	55131			



Manual Trimmer Unit

Model	kg	No.
With machine holder	1.90	55826
Spare blade (1 set = 2 blades)	0.05	55152



Heating Plate

With non-stick Teflon coating, 180 x 130 mm, 800 Watt

Model	kg	230 V 50/60 Hz	110/115 V 50/60 Hz
Electronically controlled	2.6	55324	55918
Table clamp	0.7	55524	55524



No. 5.5324



Flange Adaptor Clamping Unit

For centred welding of flanges

Model	kg	No.
Flange adaptor clamping unit	1.50	55199
Steel carrying case (540 x 345 x 355 mm)	14.20	55832
Allen key SW 6	0.03	321216
Allen key SW 8	0.05	321218



Plastic Pipe Welding

Butt Welding

ROWELD® P 160 SANILINE

Plastic sanitary pipe welding machine from Ø 40 - 160 mm



Product Profile

APPLICATION AREA

For butt welding of PP, PB and PVDF pipes and fittings, especially suitable for 45° branches and tight elbows. For use on building sites or in the workshop

KEY FEATURES

- Versatile for difficult situations with the removable heating plates
- Secure clamping of pipes, fittings, tight 45° branches and 90° elbows
- Protects against unintentional starting and derailing of the trimmer unit
- Precise pressure adjustment

KEY FEATURES

- Minimum drag force
- 40% higher stability with simultaneously optimised force distribution
- All common sanitary installation fittings can be clamped

TECHNICAL DATA

Pipe diameter:	Ø 40 - 110 mm (SDR 41 - 7.25)
	Ø 40 - 140 mm (SDR 41 - 11)
	Ø 40 - 160 mm (SDR 41 - 17.6)
Weight:	34.4 kg
Heating plate:	800 W
Trimmer unit:	1,050 W

Multi-faceted options for clamping

All commonly used moulded bodies installed in a sanitary installation can be clamped

Anti-slip Ø 40 - 140 mm reduction clamping inserts with clamping force regulation

Secure mounting of pipes, moulded bodies, tight 45° forks and 90° bends

The pressure applied can be adjusted separately on both sides

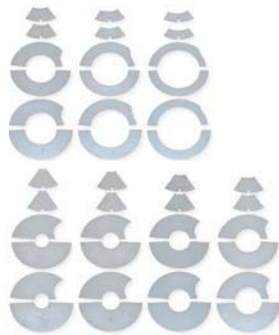
One-sided and two-sided milling is possible

Direct force transmission and a clearly arranged force scale

Precise force adjustment



Saniline special edition with Folding trolley (No. 54401)




Trimmer attachment (No. 54040) (special accessories)



Basic clamping set (No. 54082) (special accessories)



Scope of delivery (No. 54000/54001): Basic unit with electric trimmer, electrically adjustable heating element, removable. Basic clamping set right and left Ø 160 mm (No. 54082), pipe support Ø 160 mm, reducer clamp and support set for Ø 40, 50, 63, 75, 90, 110 and 125 mm in case (No. 54020), installation tools, mobile work and transport frame (No. 54015)

Model	Working range Ø mm	Temperature control		230 V 50 Hz	110/115 V 50 Hz
ROWELD® P 160 SANILINE complete	40, 50, 63, 75, 90, 110, 125, 160	electronically	57.4	54000	54001
ROWELD® P 160 SANILINE special edition	40, 50, 63, 75, 90, 110, 125, 160	electronically	61.2	54004	

ROWELD® P 160 SANILINE Basic Machine

Basic machine includes: Trimmer unit (1,050 W), heating plate (800 W), basic clamp set Ø160mm pipe supports Ø 160 mm

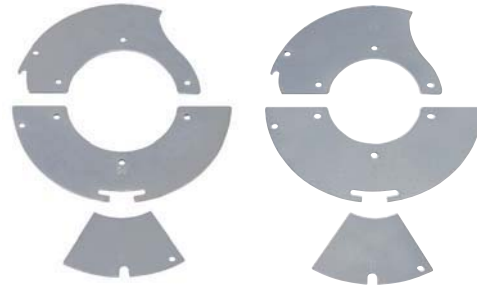


Model		230 V 50 Hz	110/115 V 50 Hz
ROWELD® P 160 SANILINE Basic machine	34.4	54005	54006

Reducer Clamping Inserts

Set includes: Reducer inserts (4 half-shells), pipe supports

Nominal size		No.	Nominal size		No.
40	1.6	54083	90	1.6	54088
50	1.6	54084	110	1.7	54089
56	1.6	54085	125	1.5	54090
63	1.6	54086	140	1.5	54091
75	1.6	54087			



Trimmer Adaptor (special accessories)

Ø 40 - 75 mm for trimming 45° branches, replaceable blades

Model		No.
Trimmer attachment for 45° branches Ø 40 - 75 mm	0.63	54040



Basic Clamping Set (special accessories)

For outer clamping position, especially for welding pressure pipes, includes 2 basic clamps, left and right, up to Ø 160 mm

Model		No.
Basic clamping set	5.3	54082



ROWELD® P 160 SANILINE Conversion Kit

Converting existing ROWELD® P 160 SANILINE with universal clamp system

Set (No. 54080) includes: Basic clamping set Ø 160 mm left and right, (No. 54082) as well as two reducer clamping sets (left and right) for the diameters 40, 50, 63, 75, 90, 110 and 125 mm

Model	Working range Ø mm		No.
Conversion Kit	40, 50, 63, 75, 90 110, 125, 160	11.20	54080
Trolley and transport sub-frame		11.30	54015
Folding trolley		20.00	56051
Steel case for reducer inserts		2.32	54020
Open-ended spanner SW 17 DIN 894		0.05	310411
Trimmer unit blades 75 mm (Set = 2 blades)		0.10	55685
Blades 35 mm for trimmer adaptor		0.01	55686
Heating plate 230 V / 115 V / 110 V		1.92	55316 / 55851
Trimmer blade, carbide 75 mm Set = 2 blades		0.05	55684



No. 54080



Plastic Pipe Welding

Butt Welding

ROWELD® P 250 A

Plastic pipe welding machine Ø 40 - 250 mm



Product Profile
APPLICATION AREA For use on building sites and in the workshop. Particularly suited for sanitary installations, drain pipe laying as well as chimney reconditioning with PVDF liners
KEY FEATURES <ul style="list-style-type: none"> • Versatile for difficult situations with the removable heating plates • Protects against unintentional starting and derailing of the trimmer unit • Single and double-sided trimming possible • Warp-resistant for minimum drag and low pressure transfer loss

KEY FEATURES
<ul style="list-style-type: none"> • Precise welding pressure adjustments on the clear force scale • Reliable, warp-resistant transfer of the welding pressure • Stable working table always available
TECHNICAL DATA
Pipe diameter: <div> Ø 40 - 110 mm (SDR 41 - SDR 7.25) Ø 40 - 125 mm (SDR 41 - SDR 11) Ø 40 - 200 mm (SDR 41 - SDR 17.6) Ø 40 - 225 mm (SDR 41 - SDR 26) Ø 40 - 250 mm (SDR 41 - SDR 33) </div>
Weight: 36.4 kg
Trimmer unit: 450 W
Heating plate: 1,200 W

Electric, high-torque safety trimmer unit (450 watt) locks into place in the working position

Protects against unintentional starting and derailing of the trimmer unit

Mechanical stop adjustable from both sides

Single and double-sided trimming possible

Removable heating plate

Versatile for difficult situations

Rugged basic clamping set Ø 250 mm with reducer inserts for Ø 180 - 225 mm plus pipe supports and Ø 160 mm set with reducer inserts for Ø 40 - 140 mm plus pipe supports

Reliable, warp-resistant transfer of the welding pressure

Mounted machine carriage is smooth running, hardened, chrome-plated ball lining driven in guide shaft

Warp-resistant, for minimum drag force and low loss of pressure transfer

Model	Working range Ø mm	Temperature control	kg	230 V 50 Hz	110/115 V 50 Hz
ROWELD® P 250 A Set	40, 50, 56, 63, 75, 90, 110, 125, 160, 180, 200, 225, 250	electronic	131.0	55795	55796
ROWELD® P 250 A basic machine			36.1	55768	55738

ROWELD® P 250 A Set

Basic machine with trimmer unit

Set includes: holder for heating plate, electronically adjustable heating plate, basic clamping set Ø 160 mm and 250 mm support fork inserts Ø 160 mm and 250 mm, reducer inserts and support fork inserts from Ø 40 - 140 mm and Ø 180 - 225 mm, installation tools, steel transport box 800 x 520 x 765 mm (LxWxH) and steel carrying case for reducer and support fork inserts



Basic Clamping Set

Set includes: 2 basic clamps and 2 support forks

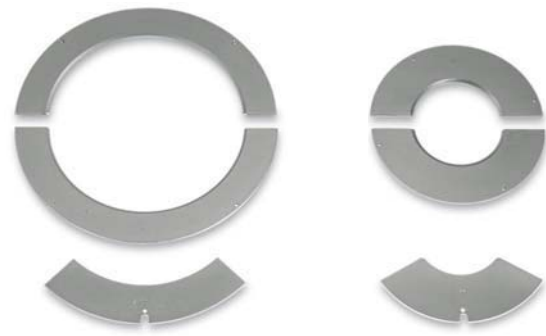
mm	kg	No.	mm	kg	No.
160	7.25	55742	250	10.10	55717



Reducer Clamping Insert Set

Each set consists of: Pipe clamping inserts (4 metal half-shells) and support fork inserts (2 metal half-shells) for basic clamping set (No. 55742)

mm	kg	No.	mm	kg	No.
32	1.89	55753	110	1.26	55746
40	1.89	55752	114	1.20	55745
50	1.81	55751	125	1.06	55744
56	1.83	55750	140	0.80	55743
63	1.75	55749	180	2.46	55721
75	1.68	55748	200	2.03	55718
90	1.50	55747	225	1.41	55719



Heating Plate

Non-stick Teflon coating. Ø 300 mm, 1,500 Watt

Model	kg	230 V 50 / 60 Hz	110 V / 115 V 50 / 60 Hz
Electronically controlled	5.35	55317	55854
Spare knife (1 set = 2 piece)	0.10		55163
Allen key size 8	0.20	321218	321218
Transport box, protective cover red	25.00	55759	55759
Steel carrying case	2.82	54020	54020






No. 55317 / No. 55854

Plastic Pipe Welding

Butt Welding

The new generation of ROWELD® hydraulic controls for butt welding

The ROWELD® hydraulic unit is available in a **professional** and **premium** version.
The premium hydraulic unit is divided into **Premium** and **Premium CNC** capacities.

Everything at a glance...			
	Type Professional	Type Premium	Type Premium CNC
Temperature control	•	•	•
Pressure reading analogue	•	—	—
Pressure reading digital	—	•	•
Pressure hold function	•	•	•
Logging system	—	•	•
Position sensor	—	—	•
Automatic parameter calculation	—	—	•
CNC-control	—	—	•
Touch screen	—	•	•
Colour display 3.5"	—	•	•
Menu language	—	•	•
Multi-lingual	—	•	•
USB port	—	•	•

ROWELD® type Professional

Hydraulic butt welding machine Ø 40 - 1200 mm.

Selection of components with a long service life ensures a low maintenance, robust and reliable operating mode.

Product Profile

APPLICATION AREA

For heating element butt welding of PE, PP and PVDF pipes and moulded bodies. For use on the building site, in pipe trenches, on pipe bridges and in workshops. The ROWELD® Hydraulic type Professional with infinite pressure adjustment, an easily legible manometer and pressure reservoir for welding according to DVS and other internationally valid guidelines and standards.

WORKING RANGE

Description	ø mm	ø Inch
P 160 B / P 5 B	40 - 160 mm	1.1/4" - 5"
P 200 B	63 - 200 mm	
P 250 B / P 8 B	90 - 250 mm	5 - 8"
P 355 B / P 12 B	90 - 355 mm	5 - 12"
P 500 B / P 18 B	200 - 500 mm	8 - 18"
P 630 B / P 24 B	315 - 630 mm	12 - 24"
P 800 B	500 - 800 mm	
P 1200 B / P 48 B	710 - 1200 mm	28 - 48"

12



Set P 355 B
No. 1000000383

ROWELD® type Premium

Hydraulic butt welding machine Ø 90 - 630 mm.

The Premium Hydraulic System guides the user step-by-step through the welding process.

All parameters are documented automatically.

Product Profile

APPLICATION AREA

The ROWELD® Hydraulic Premium with an integrated logging module for the quick and reliable saving of the welding parameters in accordance with DVS and other applicable international guidelines and standards. Data transfer via USB interface

WORKING RANGE

Description	ø mm	ø Inch
P 250 B / P 8 B	90 - 250 mm	5 - 8"
P 355 B / P 12 B	90 - 355 mm	5 - 12"
P 500 B / P 18 B	200 - 500 mm	8 - 18"
P 630 B / P 24 B	315 - 630 mm	12 - 24"



TECHNICAL DATA

Automatic logging: 10,000 logs
Data output: USB interface
Languages: DE, EN, FR, ES, NL, PT, DK, SE, NO, FI, PL, TR, HU, SL, SK, RU, BG, further languages available upon request
Welding monitoring: Optically with colour indication for welding pressure, welding temperature, welding times, as well as acoustical and optical for user actions in accordance to DVS
Logging: in accordance to DVS
Welding standards: DVS, further standards available upon request, manual entry of welding parameters is possible



Set P 355 B
No. 1000000562

ROWELD® type Premium CNC

Hydraulic butt-welding machine Ø 90 - 630 mm.

The Premium CNC System enables a nearly fully automated operation. All parameters are documented automatically

Product Profile

APPLICATION AREA

The ROWELD® Hydraulic Premium CNC with integrated CNC control and touch screen panel for the quick and reliable saving of the welding parameters in accordance with DVS and other applicable international guidelines and standards. Data transfer via USB interface

WORKING RANGE

Description	ø mm	ø Inch
P 250 B SA / P 8 B SA	90 - 250 mm	5 - 8"
P 250 B VA / P 8 B VA	90 - 250 mm	5 - 8"
P 355 B SA / P 12 B SA	90 - 355 mm	5 - 12"
P 500 B SA / P 18 B SA	200 - 500 mm	8 - 18"
P 630 B SA / P 24 B SA	315 - 630 mm	12 - 24"

SA = semi-automatic
VA = fully automatic



Set P 355 B
No. 1000000563

TECHNICAL DATA

Automatic logging: 10,000 logs
Data output: USB interface
Languages: DE, EN, FR, ES, NL, PT, DK, SE, NO, FI, PL, TR, HU, SL, SK, RU, BG, further languages available upon request
Welding monitoring: Optically with colour indication for welding pressure, welding temperature, welding times, as well as acoustical and optical for user actions in accordance to DVS
Logging: in accordance to DVS
Welding standards: DVS, further standards available upon request, manual entry of welding parameters is possible
With CNC Funktion: During the welding process, all movements are performed by the machine, including dragging resistance and bead development measurement. Automatic extending heading element enables a fully-automatic welding process (optional, not available for all machines)

Plastic Pipe Welding

Butt Welding

ROWELD® P 315 W / P 315 W CNC

Heating plate butt welding machine Ø 90 - 315 mm



Product Profile

APPLICATION AREA

- High-performance butt welding machine for single and serial production in the workshop
- For butt welding of PE, PP and PVDF pipes and fittings from
- Universal machine for pipe/pipe, pipe/fitting, pre-sealing strip welding
- Perfect for the prefabrication of pipe elbow segments and T-pieces

TECHNICAL DATA

Electrical Hydraulic unit:	400 W
	230 V / 400 V, 50/60 Hz
Electrical Trimmer unit:	700 W
Heating plate:	3,000 W, 400 V, 50/60 Hz
Weight:	
P 315 W complete:	523 kg
P 315 W Basic:	385 kg
P 315 W CNC complete:	523 kg
P 315 W CNC Basic:	385 kg



Fig. ROWELD® P 315 W CNC

ROWELD® P 630 W

Plastic pipe welding machine Ø 315 - 630 mm



Product Profile

APPLICATION AREA

For plastic pipe welding of PE and PP pipes.

KEY FEATURES

- Reliable, warp-resistant transfer of the welding force and exact control of the welding pressure
- Long-lasting heating plate according to DVS, CEN and ISO guidelines
- Workshop welding machine, et.al with rotatable tools for the manufacture of pipe elbows on each side up to 22.5°, as well as the possibility of series production of segments

TECHNICAL DATA

Electric-hydraulic unit:	2,250 W
	400 V, 50/60 Hz
Electric trimmer unit:	3 kW
	400 V, 50/60 Hz
Heating plate:	14 kW
	400 V, 50/60 Hz

Long-lasting heating plate in accordance with DVS, CEN and ISO guidelines

Electronically controlled heating plate with high-quality, non-stick coating, can be positioned hydraulically



Exact control of the welding force

Hydraulic unit for continuous use with higher pressure consistency, no pressure loss during welding

ROWELD® Manual welding extruder with integrated air supply

For welding containers, installations and pipeline construction in workshop and building site operation

Product Profile

WORKING RANGE

Description	Ø welding wire	Range of use
ROWELD® D2/20	3 mm	2 - 10 mm
ROWELD® D4/15 Aero Basic	3 mm, 4 mm	4 - 15 mm
ROWELD® D4/15 Aero	3 mm, 4 mm	4 - 15 mm
ROWELD® D8/30 Aero	3 mm, 4 mm	8 - 30 mm

TECHNICAL DATA

Description	Welding material	Welding performance	Power consumption	Temperature display	360° rotatable Pre-warming
ROWELD® D2/10	PE, PP, PVDF, PVC, PVC-C	Ø 3 mm, 0.6 kg/h	Pre-warming fan: 2.3 kW Heating belt 75 W	digital	
ROWELD® D4/15 Aero Basic	PE, PP, PVDF	Ø 3 mm, 1.1 kg/h	2.7 kW		•
	PE, PP, PVDF	Ø 4 mm, 1.8 kg/h	2.7 kW		
ROWELD® D4/15 Aero	PE, PP, PVDF	Ø 3 mm, 1.1 kg/h	3.4 kW	digital	•
	PE, PP, PVDF	Ø 4 mm, 1.8 kg/h	3.4 kW	digital	
ROWELD® D8/30 Aero	PE, PP, PVDF	Ø 3 mm, 1.8 kg/h	3.4 kW	digital	•
	PE, PP, PVDF	Ø 4 mm, 3.2 kg/h	3.4 kW	digital	



ROWELD® Manual welding extruder

Scope of delivery: 1 welding shoe, 1 set air jets, 1 unit stand, tool set

Description	kg	Voltage	Frequency	No.
ROWELD® D 2 / 10	3.4	230 V	50 / 60 Hz	55504
ROWELD® D 4 / 15 Aero Basic	4.8	230 V	50 / 60 Hz	55502
ROWELD® D 4 / 15 Aero	5.5	230 V	50 / 60 Hz	55503
ROWELD® D 8 / 30 Aero	7.8	230 V	50 / 60 Hz	55506