



“The innovative ROWELD® product programme offers tailor-made and economic customer solutions”





# ROWELD®

## Plastic Pipe Welding

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# 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)



9



#### Handheld operation



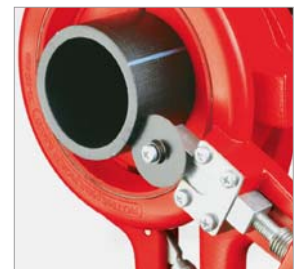
#### Clamping in a parallel vice



#### 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	<b>55035</b>
ROCUT® 110 set for sound-insulated pipes	58, 78, 110	3.9	<b>55037</b>

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

#### ACCESSORIES

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

You'll find clamping jaw sets on 243





No. 55020

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



### RO CUT® 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)

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

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



No. 55030

RO CUT® 160 with cutter blade



### RO CUT® 160

Basic unit Ø 110 - 160 mm

Cutter blade shaft with automatic copying and cutter blade (No. 55019), for use with clamping sets Ø 110 - 140 mm, without internal deburrer

Model	mm	g	No.
Basic unit RO CUT® 160	160	3,450	<b>55030</b>
Clamping set*	140	180	<b>55031</b>
Clamping set*	125	250	<b>55032</b>
Clamping set*	110	310	<b>55033</b>

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



No. 54960



No. 54961

With automatic copying



No. 55029

No. 55019

### HM Cutter Blade Inserts

RO CUT® 110 and RO CUT® 160

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



No. 54950



No. 055053D



No. 055054D



No. 055074D

### Cutter Wheels

RO CUT® 110 and RO CUT® 160

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



# 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

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

Saw blade guard

Safe operation

Central clamping

Optimum pipe centering



No. 55505

Rubberised guide rollers

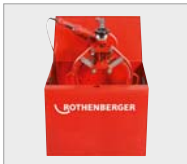
Right-angled cuts with no misalignment



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	<b>1000000532</b>
Spare HM saw blade 180 x 30 mm with spacer	0.6	<b>55505</b>
Transport box 700 x 350 x 500 mm	16.8	<b>1200000526</b>

### 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

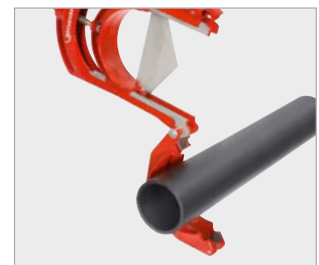
#### KEY FEATURES

- 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

Description	mm	Inch	Wall thickness	No.
ROCUT XL 125	up to 125 mm	up to 4"	max. 11.4 mm	<b>1500000789</b>
ROCUT XL 225	up to 225 mm	up to 8"	max. 18 mm	<b>1500000790</b>
ROCUT XL 315	up to 315 mm	up to 12"	max. 18 mm	<b>1500000792</b>

Model	kg	No.
For ROCUT XL 125	0.3	<b>1500000793</b>
For ROCUT XL 225	0.7	<b>1500000794</b>
For ROCUT XL 315	2.1	<b>1500000795</b>



### 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



No. 55321

Heating spigots / Heating sockets



Adaptor plate



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	<b>55321</b>
P 125 Set	1,300	63 - 125	electronically	17.05	<b>55546</b>

#### Heating Spigots / Heating Sockets

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

### 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	<b>55518</b>	<b>55517</b>
800	200	electronically	3.25	<b>55316</b>	<b>55851</b>
1,500	300	electronically	5.35	<b>55317</b>	<b>55854</b>
Table mounting clamp			0.45	<b>55524</b>	<b>55524</b>

#### ACCESSORIES

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



# 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

- 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

- Light and handy for fatigue-free use
- Simple to use even in confined spaces
- Floor stand is available at all times

##### TECHNICAL DATA

<b>Power:</b>	800 W
<b>Model:</b>	Thermostatic or electronically controlled
<b>Pipe diameter:</b>	For sockets, pipes and fittings from Ø 20 - 63 mm
<b>Voltage:</b>	230 V, 50 / 60 Hz 110 / 115 V, 50 / 60 Hz

#### 3 holes for mounting heating spigots and heating bushes

Increased flexibility and combination options for every day use

#### Heating spigots and heating bushes (Ø 20 - 63 mm) with high quality PTFE-anti-stick-covering

Long service life and according to DVS regulations

#### Isolator prevents heat transport to the case

Efficient heat protection

#### Control lamps for controls and intervals

All important information at a glance

#### Temperature selector switch for electronic temperature control and monitoring

Process safety thanks to temperature control according to DVS

#### Automatic overheating protection

Unit safety

#### Heating plate with an especially narrow sword form

Simple to use even in confined spaces

#### Unit has an integrated and retractable floor stand

Floor stand is always available when needed



# 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 and table mounting clamp in plastic carrying case

**Electronically controlled for a constant temperature!**



Fig. P 63 S-6, thermostatically controlled



Fig. P 63 S-6, electronically controlled

Model	Working range Ø mm	Control watts	Description	kg	230 V	110/115 V
P 63 S-6 set	20, 25, 32	800	thermostatic	4.30	<b>053892X</b>	<b>053894X</b>
P 63 S-6 set	20, 25, 32, 40, 50, 63	800	thermostatic	5.30	<b>053893X</b>	<b>053889X</b>
P 63 S-6 set	20, 25, 32	800	electronically	4.30	<b>053890X</b>	<b>053886X</b>
P 63 S-6 set	20, 25, 32, 40, 50, 63	800	electronically	5.30	<b>053891X</b>	<b>053887X</b>
P 63 S-6 single unit		800	thermostatic	1.78	<b>053897X</b>	
P 63 S-6 single unit		800	electronically	1.78	<b>053896X</b>	

#### 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	g	No.
20	80	<b>53511</b>
25	100	<b>53512</b>
32	170	<b>53513</b>

Working range Ø mm	g	No.
40	260	<b>53514</b>
50	370	<b>53515</b>
63	600	<b>53516</b>



# 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	<b>55760</b>

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

### Nozzles and Accessories for Quick S and WG 1600E



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

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

# 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

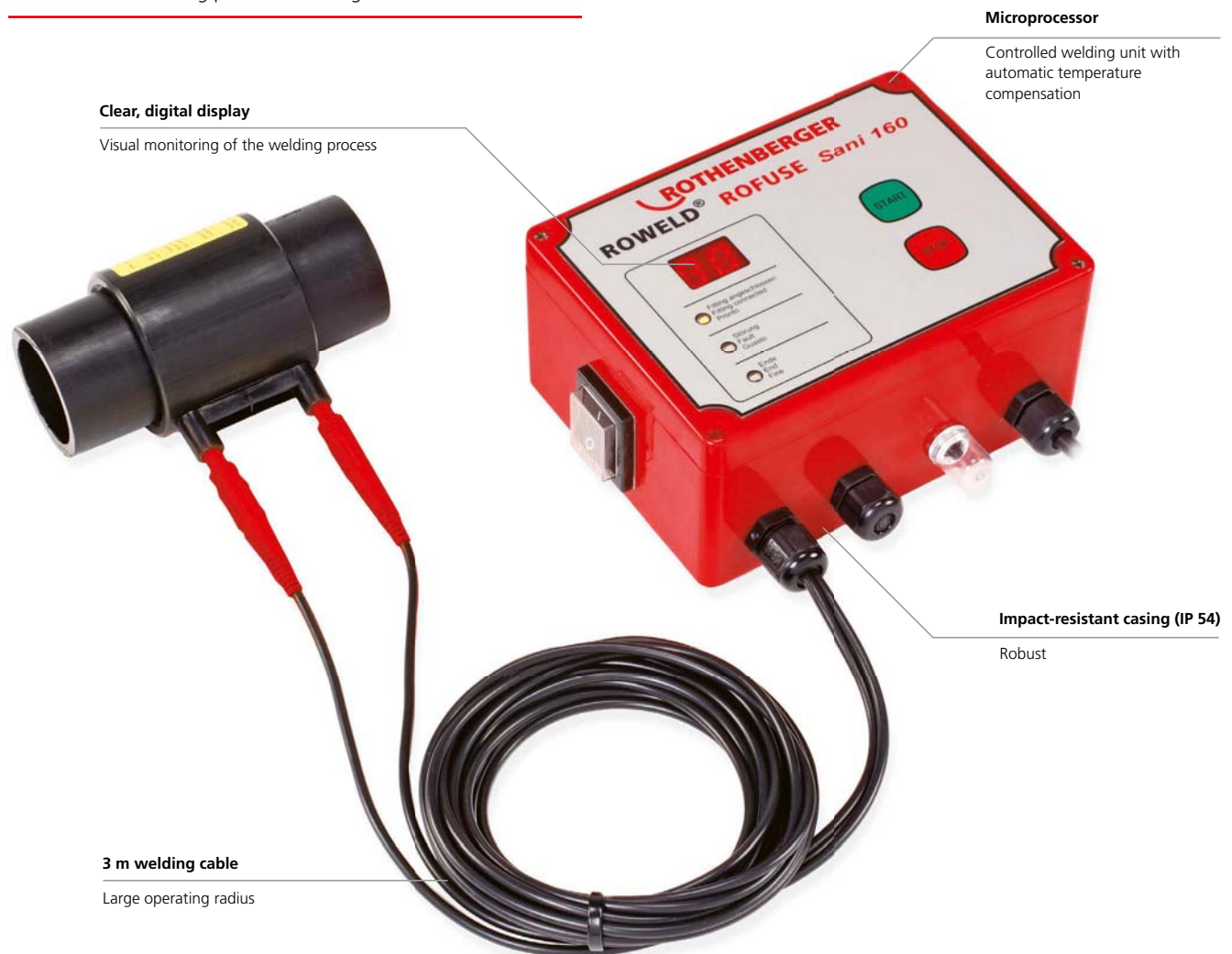
Universal electro-fusion welding unit for PE and PP drainage pipe fittings, for 230 V fittings. For the following makes: Geberit, Akatherm-EUR, Coes, Valsir, WAVIN-Duo, Aquatherm and Vulcathene-Euro

##### 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

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



**Clear, digital display**

Visual monitoring of the welding process

**Microprocessor**

Controlled welding unit with automatic temperature compensation

**Impact-resistant casing (IP 54)**

Robust

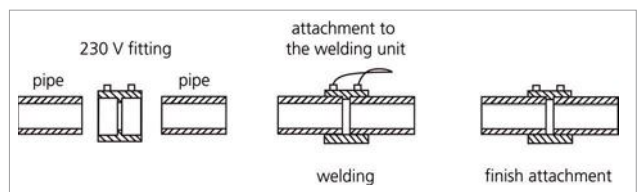
**3 m welding cable**

Large operating radius

**Carrying bag**



**Easy to transport**



Model



No.

ROWELD® ROFUSE Sani 160 with carrying bag

1.4

54230

# Plastic Pipe Welding

## Electro-Fusion Welding

### ROWELD® ROFUSE

Universal electro-fusion welding unit Ø 1,200 mm  
ROFUSE basic and ROFUSE II up to Ø 315 mm



#### Product Profile

##### APPLICATION AREA

For PE- and PP fittings from < 48 V, up to Ø 1,200 mm

##### KEY FEATURES

- Data input with the barcode scanner is possible with all ROFUSE units. With ROFUSE+, ROFUSE Print+ and ROFUSE basic 48V, manual data input is also possible
- Simple data transfer via USB port with Rofuse Print+, serial port with the ROFUSE basic 48 V
- Welding monitoring system

##### ROWELD® ROFUSE / ROFUSE+

- Display 4 x 20, characters with 5 mm font size and LED illumination

#### TECHNICAL DATA

<b>Input voltage:</b>	230 V								
<b>Frequency:</b>	50 Hz - 60 Hz								
<b>Output voltage:</b>	8 V - 48 V								
<b>Protection rating:</b>	IP 54								
<b>Barcode scanner:</b>	Yes								
<b>Logging:</b>	<table border="0"> <tr> <td><b>ROFUSE/ROFUSE+:</b></td> <td>No</td> </tr> <tr> <td><b>ROFUSE 48 V basic:</b></td> <td>500 records</td> </tr> <tr> <td><b>ROFUSE Print+:</b></td> <td>10.000 records</td> </tr> <tr> <td><b>ROFUSE II:</b></td> <td>300 records</td> </tr> </table>	<b>ROFUSE/ROFUSE+:</b>	No	<b>ROFUSE 48 V basic:</b>	500 records	<b>ROFUSE Print+:</b>	10.000 records	<b>ROFUSE II:</b>	300 records
<b>ROFUSE/ROFUSE+:</b>	No								
<b>ROFUSE 48 V basic:</b>	500 records								
<b>ROFUSE Print+:</b>	10.000 records								
<b>ROFUSE II:</b>	300 records								

#### ROWELD® ROFUSE Print+:

- Automatic logging for 10.000 welds
- Tracing form: Commission No., ISO welder code, pipe code, 2 fittings code and additional data
- Data output over the print menu via USB port to PC and printer
- Display 4 x 20 characters with 9 mm font size and LED illumination

#### GPS

Precise locating of the fitting  
in case of damage

#### USB Port

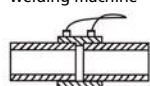
Data transfer over a  
USB stick and output  
of data as a PDF



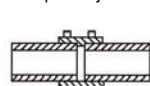
< 48 V Fitting



Connection to  
welding machine



Completed joint



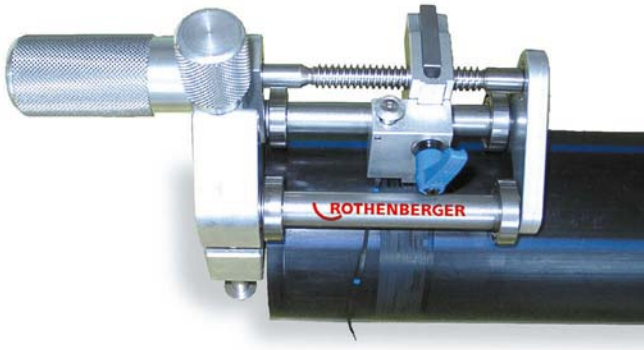
110V versions on request

Description	Frequency	Input voltage	kg	No.
ROWELD® ROFUSE basic 48 V2	40 - 70 Hz	180 - 280 V	16.0	<b>150000856</b>
ROWELD® ROFUSE II	45 - 55 Hz	210 - 250 V	25.0	<b>355000016</b>
ROWELD® ROFUSE V2	40 - 70 Hz	180 - 280 V	16.0	<b>150000857</b>
ROWELD® ROFUSE+ V2	40 - 70 Hz	180 - 280 V	16.0	<b>150000858</b>
ROWELD® ROFUSE Print+ V2	40 - 70 Hz	180 - 280 V	16.0	<b>150000859</b>
ROWELD® ROFUSE Print+ GPS V2	40 - 70 Hz	180 - 280 V	16.0	<b>150000881</b>
Aluminium transport case (not for ROFUSE II)			3.1	<b>54054</b>



### 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	<b>53240</b>
Size II	110 - 500 mm	<b>53250</b>

### 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	<b>53251</b>
Double clamp adjustable	40 mm	<b>53252</b>
Double clamp adjustable	50 mm	<b>53253</b>
Double clamp adjustable	63 mm	<b>53254</b>
Double clamp short	75 mm	<b>53255</b>
Double clamp short	90 mm	<b>53256</b>
Double clamp short	110 mm	<b>53257</b>
Double clamp short	125 mm	<b>53258</b>
Double clamp short	140 mm	<b>53259</b>
Double clamp short	160 mm	<b>53260</b>
Double clamp short	180 mm	<b>53261</b>
Double clamp short	200 mm	<b>53262</b>
Double clamp short	225 mm	<b>53263</b>

### 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	<b>53200</b>
Squeezing device hydraulic	75 - 180 mm	<b>53210</b>
Squeezing device hydraulic	160 - 225 mm	<b>53220</b>

### 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	<b>53272</b>
Quad clamp	90 mm	<b>53273</b>
Quad clamp	110 mm	<b>53274</b>
Quad clamp	125 mm	<b>53275</b>
Quad clamp	140 mm	<b>53276</b>
Quad clamp	160 mm	<b>53277</b>
Quad clamp	180 mm	<b>53278</b>
Quad clamp	200 mm	<b>53279</b>
Quad clamp	225 mm	<b>53280</b>
Rounded clamp	25 mm	<b>53281</b>
Rounded clamp	32 mm	<b>53282</b>
Rounded clamp	40 mm	<b>53283</b>
Rounded clamp	50 mm	<b>53284</b>
Rounded clamp	63 mm	<b>53285</b>



# Plastic Pipe Welding

## 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

Narrow basic clamping elements can be used

Segmented bends can be produced

Wide aluminium reducer clamp inserts (Ø 20 - 90 mm) for pipes and pipe joints

Secure hold and simple axial pipe alignment

Mechanical stop adjustable from both sides

Single and double-sided trimming possible

Angles of the wide basic clamping elements adjustable on both sides (15° each)

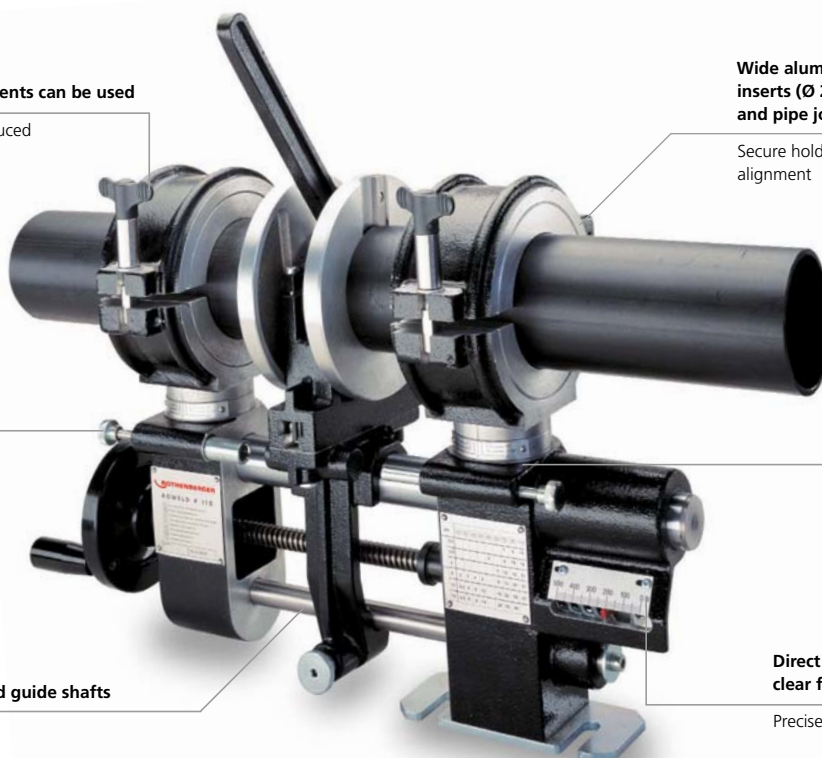
Segmented bends can be produced

Hardened, chrome-plated guide shafts

Absolutely warp-resistant

Direct force transmission and clear force scale

Precise pressure adjustment



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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	<b>55787</b>



### Basic Clamping Set 110 mm

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



### Reducer Clamping Inserts Wide

Each set includes 4 aluminium half-shells

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



### Reducer Clamping Inserts Narrow

Each set includes 4 metal half-shells

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



### Manual Trimmer Unit

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



### 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	<b>55324</b>	<b>55918</b>
Table clamp	0.7	<b>55524</b>	<b>55524</b>



### Flange Adaptor Clamping Unit

For centred welding of flanges

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





# 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

<b>Pipe diameter:</b>	Ø 40 - 110 mm (SDR 41 - 7.25)
	Ø 40 - 140 mm (SDR 41 - 11)
	Ø 40 - 160 mm (SDR 41 - 17.6)
<b>Weight:</b>	34.4 kg
<b>Heating plate:</b>	800 W
<b>Trimmer unit:</b>	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

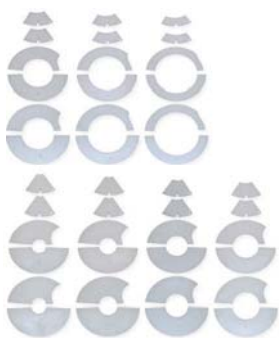
One-sided and two-sided milling is possible

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	kg	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	<b>54000</b>	<b>54001</b>
ROWELD® P 160 SANILINE special edition	40, 50, 63, 75, 90, 110, 125, 160	electronically	61.2	<b>54004</b>	

### 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

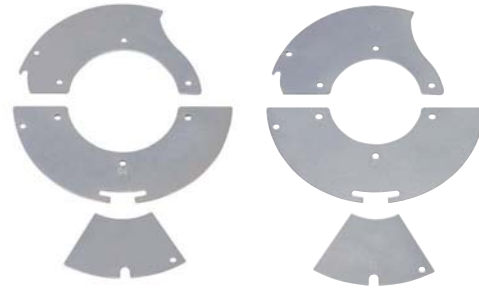


Model	kg	230 V 50 Hz	110/115 V 50 Hz
ROWELD® P 160 SANILINE Basic machine	34.4	<b>54005</b>	<b>54006</b>

### Reducer Clamping Inserts

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

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



### Trimmer Adaptor (special accessories)

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

Model	kg	No.
Trimmer attachment for 45° branches Ø 40 - 75 mm	0.63	<b>54040</b>



### 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	kg	No.
Basic clamping set Ø 160 mm	5.3	<b>54082</b>



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



No. 54080

No. 54015

# 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

- 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

- Precise welding pressure adjustments on the clear force scale
- Reliable, warp-resistant transfer of the welding pressure
- Stable working table always available

##### TECHNICAL DATA

<b>Pipe diameter:</b>	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)
<b>Weight:</b>	36.4 kg
<b>Trimmer unit:</b>	450 W
<b>Heating plate:</b>	1,200 W

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

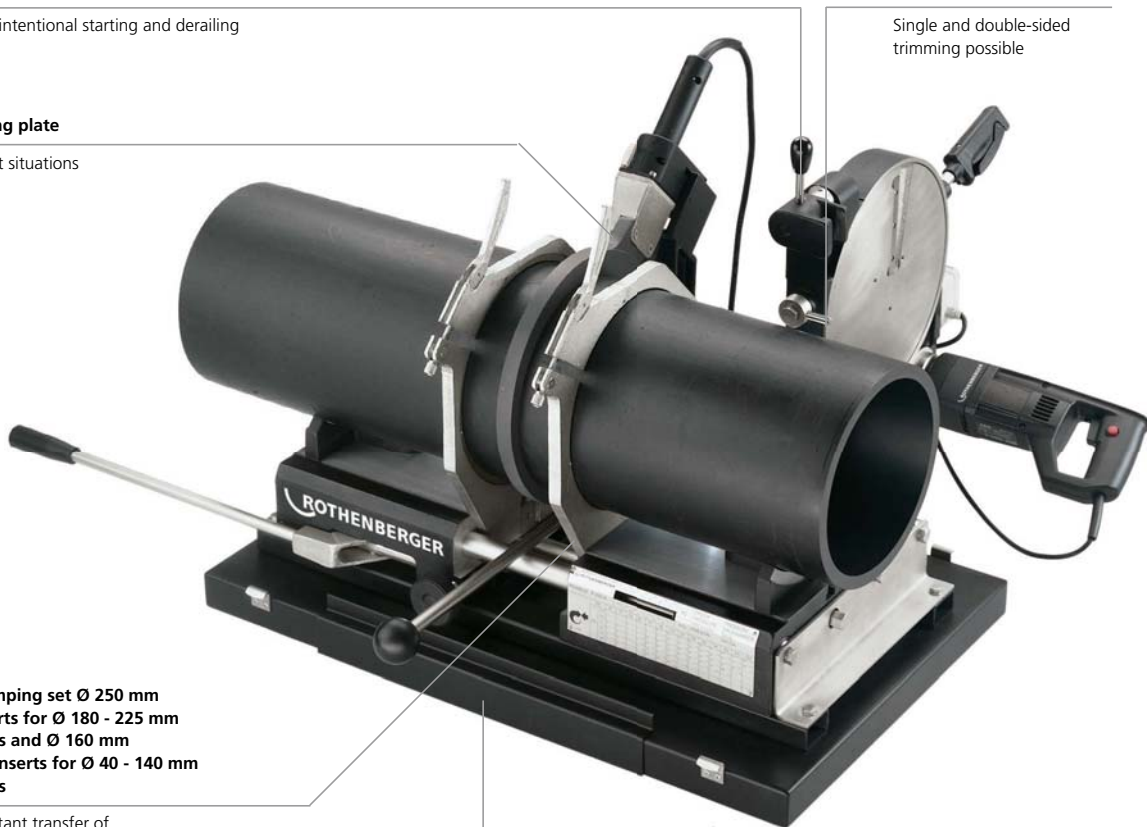
Protects against unintentional starting and derailing of the trimmer unit

#### 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

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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	<b>55795</b>	<b>55796</b>
ROWELD® P 250 A basic machine			36.1	<b>55768</b>	<b>55738</b>



### 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 (LxVxH) and steel carrying case for reducer and support fork inserts



### Basic Clamping Set

Set includes: 2 basic clamps and 2 support forks

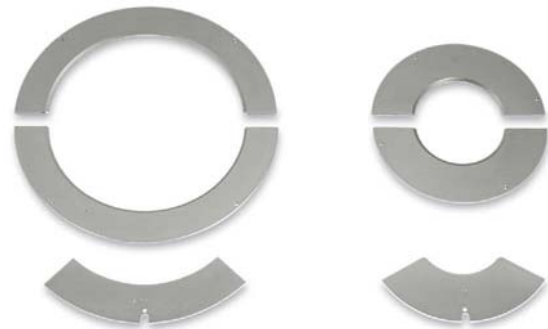
mm	kg	No.	mm	kg	No.
160	7.25	<b>55742</b>	250	10.10	<b>55717</b>



### 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	<b>55753</b>	110	1.26	<b>55746</b>
40	1.89	<b>55752</b>	114	1.20	<b>55745</b>
50	1.81	<b>55751</b>	125	1.06	<b>55744</b>
56	1.83	<b>55750</b>	140	0.80	<b>55743</b>
63	1.75	<b>55749</b>	180	2.46	<b>55721</b>
75	1.68	<b>55748</b>	200	2.03	<b>55718</b>
90	1.50	<b>55747</b>	225	1.41	<b>55719</b>



### Heating Plate

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

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






No. 55317 / No. 55854

# Plastic Pipe Welding

## Butt Welding

### ROWELD® hydraulic concept "Made in Germany"

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

<b>Everything at a glance...</b>				
	<b>Type Professional</b>	<b>Type Premium</b>	<b>Type Premium CNC</b>	
	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"



Set P 355 B  
No. 100000383



### 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:**  
**Welding standards:** DVS, further standards available upon request, manual entry of welding parameters is possible



Set P 355 B  
No. 100000562

### 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. 100000563

##### 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:**  
**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:	<b>P 315 W complete:</b> 523 kg <b>P 315 W Basic:</b> 385 kg <b>P 315 W CNC complete:</b> 523 kg <b>P 315 W CNC Basic:</b> 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

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#### 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	



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### 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	<b>55504</b>
ROWELD® D 4 / 15 Aero Basic	4.8	230 V	50 / 60 Hz	<b>55502</b>
ROWELD® D 4 / 15 Aero	5.5	230 V	50 / 60 Hz	<b>55503</b>
ROWELD® D 8 / 30 Aero	7.8	230 V	50 / 60 Hz	<b>55506</b>