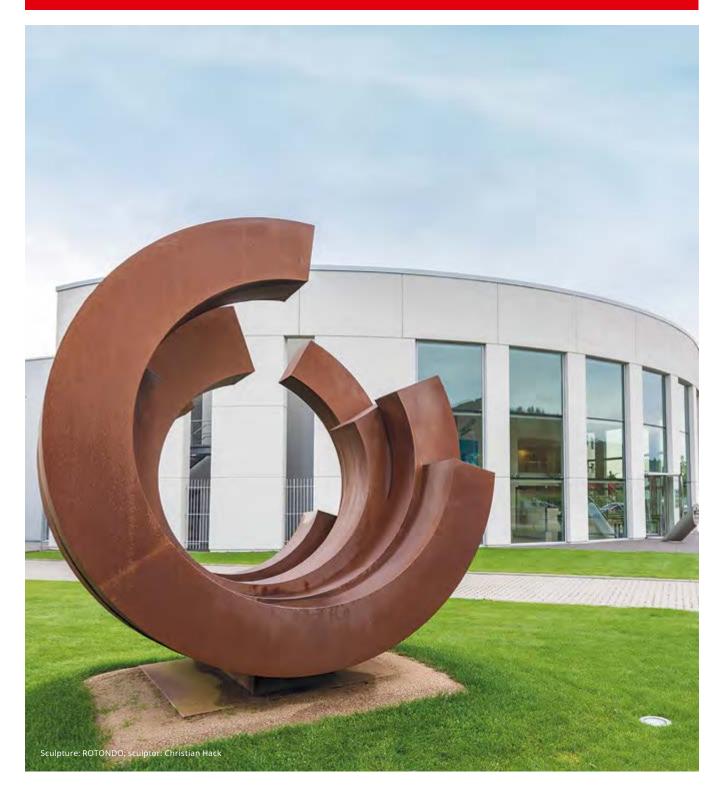


# Welcome to ROTHENBERGER!

ROTHENBERGER was founded as a trading house in 1949. As early as 1967, ROTHENBERGER developed the first system solution: the R-System. It consisted of tools for expanding, extracting and bending pipes—revolutionary equipment that enabled installers to connect pipes without fittings. This significantly accelerated the installation process.

Today, ROTHENBERGER serves installers and ACR technicians worldwide with products which have been co-developed, tested and improved by professional users.







# Focus on users

At ROTHENBERGER, we focus on professionals in the sanitary, refrigeration and air conditioning sectors. Day after day, they face challenges on construction site and in service. They need tools they can rely on. That's why ROTHENBERGER manufactures tools and machines are so easy to use. Our products are characterized by the highest quality and we are driven by innovation. Customers all over the world appreciate the reliability, durability and technical innovation of ROTHENBERGER pipe tools. Your demands are our motivation! To get the work done that needs to be done. Each and every day. Safe, fast and reliable.

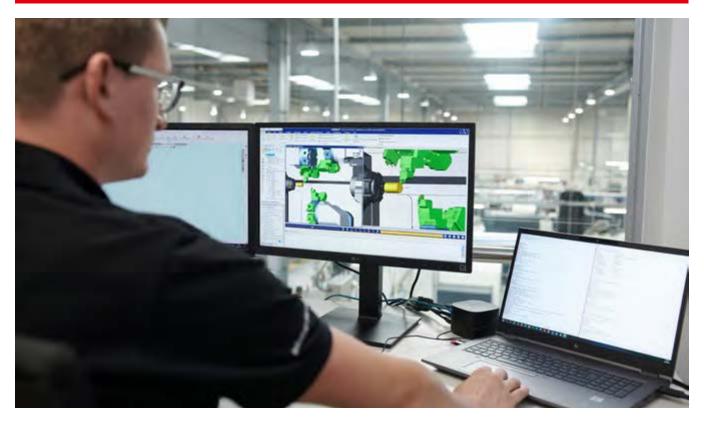




# **Quality from the start**

For more than 70 years, ROTHENBERGER has focused on customer satisfaction and success: from product development to manufacturing and quality control to service. We develop high quality, high performance and technically advanced pipe tools and machines.

Every development process begins with the specific needs of our users. We listen carefully, analyze the requirements and use our experience to create innovative solutions. ROTHENBERGER's production facilities use state-of-the-art technologies and processes to develop tools and machines while maintaining a high proportion of inhouse production—by professionals for professionals!







# Sustainability means responsibility

In times of climate change and energy crisis, environmental protection is an important task for our society. ROTHENBERGER is taking responsibility and is committed to be climate-neutral by 2025. Since 2020, we have been operating photovoltaic systems with monocrystalline solar cells on the roofs of all buildings at the Kelkheim site in Germany.

Sustainability is a key concern for ROTHENBERGER. That is why we are focused on durable products, system solutions and batteries that can be used across manufacturers. This saves material, costs and valuable resources. Another great example of this is our ROCASE case system which enables safe tool storage and reduces packaging waste.







# "Sustained by"

Every tool whose product life cycle has been extended by a repair or upgrade and is sold again receives the "Sustained by" sticker.

This shows that you have made a contribution to sustainability with your purchase and that a fixed amount of the sales proceeds has been donated to a climate protection project.

# **AMPShare—Powered by Bosch**

ROTHENBERGER has been a founding member of the AMPShare battery platform since 2022. It is based on the 18-volt battery technology from Bosch. All AMPShare batteries and chargers are compatible with tools and machines of the cross-brand collaboration. In future, all ROTHENBERGER battery tools will be offered with an AMPShare interface.





# **CAS—CORDLESS ALLIANCE SYSTEM**

ROTHENBERGER has been offering a comprehensive range of CAS cordless tools since 2018. The range extends from sanitary installations to refrigeration and air conditioning technology to service area. The proven battery technology of the manufacturer-independent CORDLESS ALLIANCE SYSTEM comes from Metabo.







# Collect BONUS POINTS and benefit from rewards!

With ROTHENBERGER tools you earn bonus points that you can exchange for fantastic rewards. And the best thing about it: Our portfolio of bonus point products is constantly being expanded so that you always have a varied selection.





# **Service for** professionals: **Always there for you!**

**RO SERVICE+** takes care of maintenance and repairs: our service team will quickly get your tools back up and running again. And without any delays—we pick up your tools and deliver them directly to the construction site on request.



# **How to contact us**}

You can contact us via many channels—via our website rothenberger.com, by email to info@rothenberger.com, by phone via our customer and our technical customer service hotlines.









**Visit us** on Facebook, Instagram, YouTube, TikTok and LinkedIn!



# R600 VarioClean: Variable pipe cleaning without cables



The battery-operated R600 VarioClean pipe cleaning machine removes blockages over a length of 60 m—independent of external power sources. The center-lock system allows you to switch between a 16 cm and an 18 cm spiral in just a few simple steps.

The electronics offer you a choice of three variable motor speed levels for unclogging, cleaning and flushing—maximum flexibility for pipe cleaning.



# ROCAM MINI HD: Convenient and precise inspection in full HD quality



With the modular pipe inspection camera ROCAM MINI HD and the 25/22 HD module, you can inspect pipes for blockages and damage quickly, precisely and conveniently. The pipe inspection camera provides images and videos in full HD quality for an optimum assessment of the situation.

With its special camera head geometry, the module has a long range and excellent arc mobility. Thanks to the integrated Wi-Fi module, images, videos and data can be exchanged quickly and easily with the app. The camera image can be transferred directly to your own smartphone.



# ROMAX 4000: Powerful press machine for effortless work



The battery-powered ROMAX 4000 presses fittings with a force of 32–34 kN in just five seconds. Due to its balanced weight distribution, the press machine is ideal for effortless work—even on difficult installations.

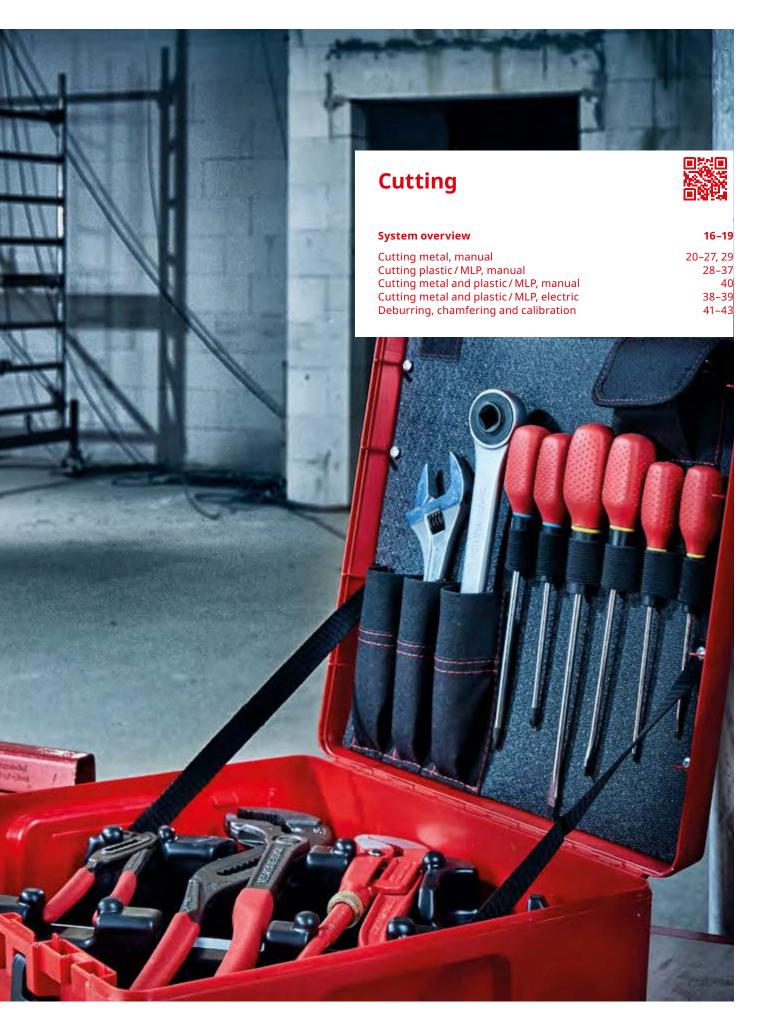
In combination with its increased service interval of every 40,000 pressings, the ROMAX 4000 is the perfect all-rounder for fast, continuous and ergonomic work.

# **Summary of contents**

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# Pipe cutters for metal

**TUBE CUTTER 35** 

**TUBE CUTTER 35 INOX** 

**TUBE CUTTER 42 PRO** 

TUBE CUTTER 42 PRO INOX









Working area	Ø 6-35 mm (1/4-1.3/8")	Ø 6-35 mm (1/4-1.3/8")	Ø 6-42 mm (1/4-1.5/8")	Ø 6-42 mm (1/4-1.5/8")
Suitable for	Cu, brass, Al, thin-walled steel pipes	Stainless steel	Cu, brass, Al, thin-walled steel pipes	Stainless steel
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**TUBE CUTTER 42 XL** 

**ROTRAC 28/42** 

MINICUT I PRO/II PRO

**MINICUT 2000** 









Page	22	22	23	23
Suitable for	Cu, brass, Al, thin-walled steel pipes			
Working area	Ø 6-42 mm (1/4-1.5/8″)	Ø 3–28 mm (1/8–1.1/8")	Ø 3–22 mm (1/8–7/8″)	Ø 3–22 mm (1/8–7/8″)

**MINI MAX** 

**TUBE CUTTER 30 PRO** 

**TUBE CUTTER 50** 

Automatic pipe cutter









Page	24	24	24	25
Suitable for	Cu, brass, Al, thin-walled steel pipes	Cu, brass, Al, thin-walled steel pipes	Cu, brass, Al, thin-walled steel pipes	Cu, brass, Al, thin-walled steel pipes, plastic-coated pipes
Working area	Ø 3–28 mm (1/8–1.1/8″)	Ø 3-30 mm (1/8-1.1/4")	Ø 12-50 mm (1/2-2")	Ø 6–127 mm (1/4–5″)

# Pipe cutters for metal

ROSLICE

Chain pipe cutter

TUBE CUTTER 30 PRO INOX

TUBE CUTTER INOX









Cu, brass, Al, Suitable for Cu thin-walled steel pipes, Stainless steel S plastic-coated pipes	tainless steel
--	----------------

**TUBE CUTTER CSST** 

ENORM 4"

SUPER 1.1/4" and 2"

SUPER 1.1/4" and 2" INOX









Working area	Ø 10-42 mm (3/8-1.5/8")	Ø 60-115 mm (2-4")	Ø 10-60 mm (3/8-2")	Ø 10-60 mm (3/8-2.3/8")
Suitable for	Corrugated INOX pipes up to 0.2 mm	Stainless steel	Stainless steel	Stainless steel
Page	26	27	27	27

# Plastic pipe cutters

TUBE CUTTER 35 MSR / 42 PRO MSR / 42 PRO PVC

TUBE CUTTER 67/125/168 PL Automatic

**ROCUT Plastic Pro** 

**ROWELD ROCUT** 









Suitable for	PE, PP, PVDF, PVC, plastic-coated pipes	PE, PP, PEX, PB, PVDF, sound-isolated drain pipes	PP, PE, PVC pipes	PE, PP, PVC, PEX, PVDF, PB pipes <sup>1</sup>
Working area	Ø 6-42 mm (1/4-1.5/8")	Ø 6-168 mm (1/4-6.5/8")	Ø 15-50 mm (5/8-2")	Ø 32–110 mm (1.1/4–4")

### **Electrical saws for different materials**

#### **PIPECUT** mini



Copper, MLP, steel, cast iron
Li-HD
CAS
Li-Ion
Ø 0–110 mm (0–4")

# **Plastic shears**

**ROCUT TC 42 ROCUT TC 50 ROCUT 42 Twin Cut ROCUT TC 32 Professional Professional** 



Working area	Ø 0-42 mm (0-1.5/8")	Ø 0-42 mm (0-1.5/8")	Ø 0-32 mm (0-1.1/4")	Ø 0-50 mm (0-2")
Suitable for	PP, PE, PEX, PB, PVDF pipes	PP, PE, PEX, PB, PVDF, MLP pipes	PP, PE, PEX, PB, PVDF, MLP pipes	PP, PE, PEX, PB, PVDF, MLP pipes
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**ROCUT TC 63 ROCUT TC 75 ROCUT TC 26 ROCUT PS 35 Professional Professional** 



Page	33	34	34	34
Suitable for	PP, PE, PEX, PB, PVDF, MLP pipes			
Working area	Ø 0-63 mm (0-2.1/2")	Ø 0-75 mm (0-3")	Ø 0-26 mm (0-1")	Ø 6-35 mm (1/4-1.3/8")

# **ROCUT PS 26/42**



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Suitable for	PP, PE, PEX, PB, PVDF, MLP pipes
Working area	Ø 6-42 mm (1/4-1.5/8")

### **TUBE CUTTER 35**

Proven pipe cutter for the precise cutting of pipes Ø 6-35 mm (1/4-1.3/8")

For the precise cutting of copper, brass, aluminium, thinwalled steel pipes

#### **Application Benefits**

- Optimal for confined spaces
- · Quick adjustment of the working area
- Spare cutter wheel in handle
- · Cuts near to flares are possible
- Retractable internal pipe deburrer
- Rugged and robust

#### Metal casing with DURAMANT coating: rugged and robust







#### **Technical Data**

Working area	Ø 6-35 mm (1/4-1.3/8")
Material	DURAMAG magnesium
Cutting depth	3 mm

The 100% magnesium body is up to 30% lighter than the previous model!









For INOX (stainless steel) pipes



#### **TUBE CUTTER 35, DURAMAG**







For copper, brass, aluminium, thin-walled steel pipes

#### **Application Benefits**

- Optimal for confined spaces
- Quick adjustment of the working area
- Spare cutter wheel in handle
- Cuts near to flares are possible
- · Retractable internal pipe deburrer
- Rugged and robust



Model	Weight	PU	No.
TUBE CUTTER 35, 6–35 mm (1/4–1.3/8″), DURAMAG	0.255 kg	4	70027
TUBE CUTTER 35 DURAMAG display, 6 pcs.	1.700 kg	1	070027DB

# **Handtool set "Prepare to Press"** Set for preparing pressings



For preparing copper, brass and thin-walled steel pipes with Ø 6–35 mm (1/4–1.3/8") for subsequent pressings



Set (No. 1000002002) includes: TUBE CUTTER 35,  $\emptyset$  6–35 mm (No. 70027), internal and external deburrer Ø 6–35 mm (No. 1500000237), permanent-marker "Prepare to Press" (No. 1500002640), ROBOX B2350 (No. 1500002641)

Model	Weight	PU	No.
Handtool set "Prepare to Press", 6–35 mm (1/4–1.3/8")	0.460 kg	1	1000002002

#### **TUBE CUTTER 35 INOX, DURAMAG**



Proven pipe cutter for the precise cutting of pipes Ø 6-35 mm (1/4-1.3/8")





For stainless steel pipes

#### **Application Benefits**

- · Hardened, special cutter wheel made of high-alloyed steel
- External burr-free cutting
- · Stainless steel guide rolls, cuts near flares possible
- Optimum use in tight places
- · Quick adjustment of the working area
- Retractable pipe internal deburrer
- · Rugged and robust



Model	Weight	PU	No.
TUBE CUTTER 35 INOX, 6–35 mm (1/4–1.3/8″), DURAMAG	0.255 kg	4	70055

# **TUBE CUTTER 35 INOX with cutting wheels**



Pipe cutter for cutting stainless steel pipes with matching cutting wheels

TUBE CUTTER 35 INOX for cutting stainless steel pipes

INOX



Set (No. 1000002222) includes: TUBE CUTTER 35 INOX, Ø 6-35 mm, DURAMAG (No. 70055), cutter wheel for TUBE CUTTER 35, TUBE CUTTER 30 Pro and TUBE CUTTER 42 XL (No. 070056D), ROBOX B2350 (No. 1500002641)

Model	Weight	PU	No.
TUBE CUTTER 35 INOX with cutting wheels and ROBOX	0.500 kg	1	1000002222

#### **TUBE CUTTER 42 PRO**

Proven pipe cutter for the precise cutting of pipes Ø6-42 mm (1/4-1.5/8")





For copper, brass, aluminium, thin-walled steel pipes

#### **Application Benefits**

- Optimal for confined spaces
- Quick adjustment of the working area
- Spare cutter wheel in handle
- · Cuts near to flares are possible
- · Retractable internal pipe deburrer
- Rugged and robust



Model	Weight	PU	No.
TUBE CUTTER 42 PRO, 6–42 mm (1/4–1.5/8″)	0.545 kg	4	70029

#### **TUBE CUTTER 42 PRO INOX**

Proven pipe cutter for the precise cutting of stainless steel pipes  $\emptyset$  6-42 mm (1/4-1.5/8")

For cutting stainless steel pipes

#### **Application Benefits**

- Hardened, special cutter wheel made of high-alloyed steel
- External burr-free cutting
- Stainless steel guide rolls, cuts near flares possible
- Optimum use in tight places
- · Quick adjustment of the working area
- Retractable pipe internal deburrer
- · Rugged and robust



Model	Weight	PU	No.
TUBE CUTTER 42 PRO INOX, 6–42 mm (1/4–1.5/8″)	0.545 kg	1	70070

#### **TUBE CUTTER 42 XL**

# Proven pipe cutter for the precise cutting of pipes $\emptyset$ 6-42 mm (1/4-1.5/8")

For copper, brass, aluminium, stainless steel and thin-walled steel pipes with a wall thickness of up to 1.2 mm

#### **Application Benefits**

- New cutter wheel: 20 × more cuts<sup>1</sup>
- Suitable for thin-walled pipes starting at a wall thickness of 0.5 mm
- Quick adjustment of the pipe diameter by easy turning of the adjustment knob
- Spare cutter wheel in handle compartment
- · Retractable internal pipe deburrer



Model	Weight	PU	No.
TUBE CUTTER 42 XL, 6-42 mm (1/4-1.5/8″)	0.500 kg	1	1000001748
Spare cutter wheel, 5 pcs.	0.020 kg	1	070056D

#### **ROTRAC 28**

### High-precision pipe cutter Ø 3-28 mm (1/8-1.1/8")



For cutting copper, brass, aluminium and thin-walled steel pipes

#### **Application Benefits**

- Constant working radius
- · Cast aluminium design
- Protection of the cutter wheel with the rolling stop
- Retractable internal deburrer and spare cutter wheel in handle
- Protected screw spindle-protection against dirt and jamming



Model	Weight	PU	No.
ROTRAC 28, 3–28 mm (1/8–1.1/8")	0.220 kg	1	70010
ROTRAC 28 PLUS Chrome, Limited Edition	0.220 kg	1	1000000046
Spare axle	0.005 kg	1	70080
Spare cutter wheel INOX	0.002 kg	1	070007X
Spare cutter wheel Cu, Al, Br, 3 pcs.	0.020 kg	1	070007D

#### MINICUT I PRO/II PRO





Copper pipe cutter Ø 3-22 mm (1/8-7/8") For cutting copper, brass, aluminium and thin-walled steel pipes

#### **Application Benefits**

- Compact design with small working radius 38 mm (1.1/2") I PRO and 42 mm (1.5/8") II PRO allows use in hard-to-reach places
- Effortless pressure control with the large knurled knob and compact design
- Two guide rollers with recess for cuts near flares
- Monoblock design allows precision

### Ideal for maintenance and repair work!







Model Weight ΡU No. MINICUT I PRO, 3-16 mm (1/8-5/8") 4 70401 0.115 kg MINICUT I PRO C, 3-16 mm (1/8-5/8") 070401C 0.120 kg 4 MINICUT II PRO, 6-22 mm (1/4-7/8") 0.125 kg 4 70402 070017D Spare cutter wheel Cu, Br, Al, Fe, 5 pcs. 0.020 kg

### **ROTRAC 42**

#### High-precision pipe cutter Ø 6-42 mm (1/4-1.5/8")



For cutting copper, brass, aluminium and thin-walled steel pipes

#### **Application Benefits**

- Constant working radius
- Cast aluminium design
- Protection of the cutter wheel with the rolling stop
- Retractable internal deburrer and spare cutter wheel in handle
- Protected screw spindle-protection against dirt and jamming



Model	Weight	PU	No.
ROTRAC 42, 6-42 mm (1/4-1.5/8")	0.255 kg	1	70011
Spare axle	0.005 kg	1	70080
Spare cutter wheel INOX	0.002 kg	1	070007X
Spare cutter wheel Cu, Al, Br, 3 pcs.	0.020 kg	1	070007D

#### **MINICUT 2000**

### Copper pipe cutter Ø 3-22 mm (1/8-7/8")





For cutting copper, brass, aluminium and thin-walled steel pipes

#### **Application Benefits**

- Compact design with small working radius 45 mm (1.3/4") allows use in hard-to- reach places
- · Effortless pressure control with the large knurled knob and compact design
- Two guide rollers with recess for cuts near flares
- Ergonomic design of body and knob with seating surface for the hand during turning



Model	Weight	PU	No.
MINICUT 2000, 3–22 mm (1/8–7/8")	0.140 kg	4	70105
Spare axle	0.005 kg	1	70041
Spare cutter wheel Cu, Br, Al, Fe, 5 pcs.	0.020 kg	1	070017D

#### **MINI MAX**

#### Copper pipe cutter Ø 3-28 mm (1/8-1.1/8")





For cutting copper, brass, aluminium and thin-walled steel pipes

#### **Application Benefits**

- Compact design with very small working radius 58 mm (2.1/4") allows use in hard-to-reach places
- Effortless pressure control with the large knurled knob and compact design
- Two guide rollers with recess for cuts near flares
- Ergonomic design of body and knob with seating surface for the hand during turning





No. 70015

Model	Weight	PU	No.
MINI MAX, 3-28 mm (1/8-1.1/8")	0.270 kg	4	70015
Spare cutter wheel Cu, Br, Al, Fe, 5 pcs.	0.020 kg	1	070017D
Spare axle	0.005 kg	1	70041

#### **TUBE CUTTER 30 PRO**

#### Copper pipe cutter Ø 3-30 mm (1/8-1.1/4")

For cutting copper, brass, aluminium and thin-walled steel pipes

#### **Application Benefits**

- Two guide rollers with recess for cuts near flares
- Retractable internal deburrer and spare cutter wheel in handle



Model	Weight	PU	No.
TUBE CUTTER 30 PRO, 3–30 mm (1/8–1.1/4")	0.305 kg	4	71019
Spare cutter wheel Cu, Br, Al, Fe, 5 pcs.	0.020 kg	1	070017D
Spare axle	0.005 kg	1	70041

#### **TUBE CUTTER 50**

### Copper pipe cutter Ø 12-50 mm (1/2-2")

For cutting copper, brass, aluminium and thin-walled steel pipes

#### **Application Benefits**

- Two guide rollers with recess for cuts near flares
- Retractable internal deburrer and spare cutter wheel in handle

#### **Technical Data**

Working area	Ø 12-50 mm (1/2-2")
Cutting depth	1.2 mm
Suitable for	Cu, brass, Al, thin-walled steel pipes



Model	Weight	PU	No.
TUBE CUTTER 50, 12–50 mm (1/2–2″)	0.520 kg	1	70065
Spare axle	0.010 kg	1	70006

#### **Automatic pipe cutter**

#### Telescopic pipe cutter Ø 6-127 mm (1/4-5")

For cutting copper, brass, aluminium and thin-walled steel pipes as well as sound-insulated pipes

#### **Application Benefits**

- Retractable internal deburrer and spare cutter wheel in handle
- Monoblock design
- Quick adjustment with the ratchet telescopic guide with automatic spring-driven release
- Self-clamping prevents release due to quick adjustment during the cutting process



Model	Weight	PU	No.
Automatic pipe cutter Size 1, 6–67 mm (1/4–2.5/8″)	0.755 kg	1	70030
Automatic pipe cutter Size 2, 50–127 mm (2–5″)	1.875 kg	1	70142
Spare blade for GRATFIX HSS Size 1, Universal	0.005 kg	10	21652
Spare internal pipe deburrer complete Size 1	0.005 kg	1	750004100

Model	Weight	PU	No.
Spare axle Size 1	0.020 kg	1	70042
Spare cutter wheel for Automatic pipe cutter Size 2, 2 pcs.	0.020 kg	1	070057D
Spare cutter wheel Cu, Br, Al, Fe, 5 pcs.	0.020 kg	1	070017D

# **ROSLICE**

### Copper pipe cutter Ø 12-22 mm (1/2-7/8")

# **Application Benefits**

- Quick cutting of copper pipes with less turns
- No deformation of the pipe: self-clamping and self-alignment
- Less space required, ideal for hard-to-reach places
- · Reliable hold with the non-slip surface











#### **Ergonomic form** Less space needed,

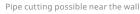
just a few turns



Non-slip surface Reliable grip

> self-alignment Prevents the deformation of the pipe

Model	Weight	PU	No.
ROSLICE, 12 mm	0.240 kg	1	88812
ROSLICE, 15 mm	0.230 kg	1	88815
ROSLICE, 18 mm	0.260 kg	1	88818
ROSLICE, 22 mm	0.250 kg	1	88822
ROSLICE, 3/4"	0.240 kg	1	88832
Spare cutter wheel, 12 mm (1/2"), 5 pcs.	0.036 kg	1	088840D
Spare cutter wheel, 15 mm and 22 mm (5/8 and 7/8"), 5 pcs.	0.035 kg	1	088841D
Spare cutter wheel, 18 mm, (1/2–3/4"), 5 pcs.	0.037 kg	1	088842D





#### Chain pipe cutter

#### For pipes Ø 20-100 mm (3/4-4")

For cutting copper, brass, aluminium and thin-walled steel pipes as well as sound-insulated pipes

#### **Application Benefits**

- Ideal for working in confined spaces, e.g. parallel-running pipes
- Robust chain with 15 mini cutter wheels, two-step adjustment, chrome-plated with plastic covered handles



Model	Weight	PU	No.
Chain pipe cutter, 20–100 mm (7/8–4″)	0.570 kg	1	70285
Spare cutter wheel chain, 20–100 mm (7/8–4″)	0.180 kg	1	70286

#### **TUBE CUTTER INOX**

Ratchet telescopic pipe cutter for the precise cutting of stainless steel pipes Ø 6–60 mm (1/4–2.3/8″)



#### **Application Benefits**

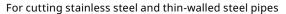
 Quick adjustment with the ratchet telescopic guide with automatic spring-driven release



Model	Weight	PU	No.
TUBE CUTTER INOX, 6-60 mm (1/4-2.3/8")	0.305 kg	1	70340
Spare cutter wheel, 2 pcs.	0.020 kg	1	70341

#### **TUBE CUTTER 30 PRO INOX**

Stainless steel pipe cutter for the precise cutting of stainless steel pipes Ø 3–30 mm (1/8–1.1/4")



#### **Application Benefits**

- Retractable internal deburrer and spare cutter wheel in handle
- Two guide rollers with recess for cuts near flares



Weight	PU	No.
0.305 kg	1	71085
0.005 kg	1	70041
0.020 kg	1	070056D
	0.305 kg 0.005 kg	0.305 kg 1 0.005 kg 1

# **TUBE CUTTER CSST**

Pipe cutter for the precise cutting of corrugated INOX pipes 8-42 mm (5/16-1.5/8")

For cutting INOX corrugated pipes with a wall thickness of up to 0.2  $\mbox{mm}$ 

#### **Application Benefits**

- Stability provided by two wide rubber rollers
- Quick adjustment to the pipe diameter
- Spare cutter wheel in handle compartment



Model	Weight	PU	No.
TUBE CUTTER CSST, 8–42 mm (5/16–1.5/8")	0.500 kg	1	1000001747
Spare cutter wheel, CSST pipe, 5 pcs.	0.010 kg	1	1000002077

### ENORM 4"

#### Steel pipe cutter Ø 60-115 mm (2-4")

# DURAMANT ACTION OF

#### **Application Benefits**

- Wide rollers for secure guiding of cutter wheel on pipe
- Easy pressure control for optimum force transmission on to the pipe
- Long service life with the hardened cutter wheel made of high-alloyed steel
- Burr-free cutting allows immediate thread cutting



Model	Weight	PU	No.
ENORM, 60–115 mm (2–4″)	7.105 kg	1	70060
Spare axle, 60–115 mm (2–4″)	0.005 kg	1	70064
Spare cutter wheel, 60–115 mm (2–4″), 2 pcs.	0.020 kg	1	070061D



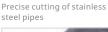
# SUPER 1.1/4" and 2"

#### Stainless steel pipe cutter Ø 10-60 mm (1/4-2")

#### **Application Benefits**

- Wide rollers for secure guiding of cutter wheel on pipe
- Easy pressure control for optimum force transmission on to the pipe
- Long service life with the hardened cutter wheel made of high-alloyed steel
- · Burr-free cutting allows immediate thread cutting















# TUBE CUTTER 35 MSR/42 PRO MSR/42 PRO PVC

# Proven pipe cutter for the precise cutting of pipes $\emptyset$ 6-42 mm (1/4-1.1/4")

TUBE CUTTER 35 MLP and 42 PRO MLP for multi-layer composite pipes TUBE CUTTER 42 PRO PVC for PVC pipes

### **Application Benefits**

- Space-saving work, also in confined spaces, uniform, small working radius of 123 mm
- Right-angled and burr-free cutting, precise telescopic guidance
- Fast and simple adjustment of the working range due to the feed being synchronised with the feeder rotation
- Optimum, fatigue-free operation with the optimised ergonomic handle
- Only one tool for cutting and deburring due to integrated, retractable internal pipe deburrer
- · Spare cutter wheel in the handle



TUBE CUTTER 35 MSR	6-35 mm (1/4-1.3/8")
TUBE CUTTER 42 PRO MSR	6-42 mm (1/4-1.5/8")
TUBE CUTTER 42 PRO PVC	6-42 mm (1/4-1.5/8")

Model	Weight	PU	No.
TUBE CUTTER 35 MSR, 6–35 mm (1/4–1.3/8″), DURAMAG	0.255 kg	4	70108
Spare cutter wheel TUBE CUTTER 35/42 MSR, 5 pcs.	0.020 kg	1	070188D



Model	Weight	PU	No.
TUBE CUTTER 42 PRO MSR, 6-42 mm (1/4-1.5/8")	0.550 kg	1	70109
TUBE CUTTER 42 PRO PVC, 6–42 mm (1/4–1.5/8")	0.550 kg	4	70072
Spare cutter wheel TUBE CUTTER 42 PVC, 3 pcs.	0.030 kg	1	070028D

# **TUBE CUTTER 67/125/168 PL Automatic**

#### Telescopic ratchet pipe cutter Ø 6-168 mm (1/4-6.5/8")

For precise cutting of PP, PE, PEX, PB and PVDF pipes as well as sound-insulated drain pipes

#### **Application Benefits**

- Maximum strength with the monoblock aluminium construction
- Optimum, fatigue-free operation with the ergonomically optimised metal handle
- Fast adjustment to the outer tube diameter with the telescopic ratchet guide
- Fast opening with automatic retraction
- · Internal pipe deburrer retracts into cutter body
- Hardened, specially sharpened cutter wheels

## Removable internal pipe deburrer





#### **Technical Data**

Working area	Ø 6-168 mm (1/4-6.5/8")
Material	DURAMAG magnesium
Suitable for	PE, PP, PEX, PB, PVDF, sound-insulated drain pipes



Model	Weight	PU	No.
TUBE CUTTER PL Automatic, 6–67 mm (1/4–2.5/8″)	0.700 kg	4	70031
TUBE CUTTER PL Automatic, 50–125 mm (2–5″)	1.600 kg	1	70032
TUBE CUTTER PL Automatic, 110–168 mm (4–6.5/8″)	1.700 kg	1	70033

# Pipe cutters, cutting wheels and spare parts

Only original ROTHENBERGER cutting wheels made of highalloyed hardened steel guarantee an exact, right-angled cut









Pipe cutter type	Model for pipe-Ø	No.	Cutting wheel No.	Sizes d/L/D mm	Cutting depth mm	Spare axle No.	Ø mm Length mm Thread	Spare roller No.	Deburring blade No.	Application area
MINICUT I PRO	3–16 mm	70401	070017D	4.8/5.9/18.5	3.0	70041	4.7/14/M3	70023	_	Copper pipe (Cu),
MINICUT II PRO	6-22 mm	70402	070017D	4.8/5.9/18.5	3.0	70041	4.7/14/M3	70023	_	brass pipe (Ms), aluminium pipe (Al),
MINICUT 2000	3-22 mm	70105	070017D	4.8/5.9/18.5	3.0	70041	4.7/14/M3	_	_	thin-walled steel pipe (Fe), PVC hard plastic pipe,
MINIMAX	3-28 mm	70015	070017D	4.8/5.9/18.5	3.0	70041	4.7/14/M3	-	-	plastic-coated pipe
TUBE CUTTER 30 PRO	3-30 mm	71019	070017D	4.8/5.9/18.5	3.0	70041	4.7/14/M3	70067	_	
TUBE CUTTER 35 + 35 C	6-35 mm	070027(C)	070017D	4.8/5.9/18.5	3.0	70041	4.7/14/M3	70067	21652	Copper pipe (Cu), brass pipe (Ms),
TUBE CUTTER 42 PRO	6-42 mm	70029	070017D	4.8/5.9/18.5	3.0	70041	4.7/14/M3	70067	21652	aluminium pipe (Al), thin-walled steel pipe (Fe),
TUBE CUTTER 35 MSR	6-35 mm	70108	070188D	4.8/5.9/19.3	4.0	70041	4.7/14/M3	70067	21652	PVC hard plastic pipe, plastic-coated pipe
TUBE CUTTER 42 PRO MSR	6-42 mm	70109	070188D	4.8/5.9/19.3	4.0	70041	4.7/14/M3	70067	21652	
TUBE CUTTER 50	12-50 mm	70065	070017D	4.8/5.9/18.5	3.0	70006	4.7/16/M4	_	_	Multi-layered composite pipe
AUTOMATIC pipe cutter Size 1	6-67 mm	70030	070017D	4.8/5.9/18.5	3.0	70042	4.7/16/M4	_	21652	Cu, Ms, Al, Fe thin-walled
AUTOMATIC pipe cutter Size 1	6-67 mm	70031	070028D	4.8/5.9/23.6	7.0	70042	4.7/16/M4	_	21652	PE, PP, VPE, PB and PVDF pipes
AUTOMATIC pipe cutter Size 2	50-127 mm	70142	070057D	8.0/14.0/29.0	7.0	751004200	7.9 / 23.5 / 1/4"	_	21652	thin-walled Cu, Ms, Al, Fe
AUTOMATIC pipe cutter Size 2	50-127 mm	70032	055054D	8.0/13.0/40.0	13.0	751004200	7.9/23.5/1/4″	_	21652	PE, PP, VPE, PB and PVDF pipes
AUTOMATIC pipe cutter Size 2	50-127 mm	70032	055053D	8.0/13.0/30.5	8.0	751004200	7.9/23.5/1/4″	_	21652	thin-walled PP pipes
AUTOMATIC pipe cutter Size 2	50-127 mm	70032	055074D	8.0/11.0/45.0	16.0	751004200	7.9/23.5/1/4″	_	21652	PE, PP, VPE, PB and PVDF pipes
AUTOMATIC pipe cutter Size 3	100-168 mm	70033	055074D	8.0/11.0/45.0	16.0	751004200	7.9/23.5/1/4"	_	21652	PE, PP, VPE, PB and PVDF pipes
AUTOMATIC pipe cutter Size 3	100-168 mm	70033	055053D	8.0/11.0/30.5	8.6	751004200	7.9/23.5/1/4″	_	21652	thin-walled PP pipes
TUBE CUTTER 28	3-28 mm	70010	070007D	4.8/3.0/16.0	2.5	70080 + 70081	4.7/9/SR	80679	_	Cu, Ms, Al, Fe thin-walled
TUBE CUTTER 42	3-42 mm	70011	070007D	4.8/3.0/16.0	2.5	70080 + 70081	4.7/9/SR	80679	_	Cu, Ms, Al, Fe thin-walled
TUBE CUTTER 42 PRO PVC	6-42 mm	70072	070028D	4.8/5.9/23.6	7.0	70041	4.7/14/M3	70067	_	PE, PP, VPE, PB and PVDF pipes
Steel pipe cutter SUPER	3/8-1.1/4"	70040	070046D	7.5/14.0/25.7	5.5	701011500	7.4/30/—	70047	_	Steel pipe (Fe)
Steel pipe cutter SUPER	3/8-2"	70045	070051D	9.0/17.0/31.5	6.0	70053	8.9/35/—	70052	_	Steel pipe (Fe)
Steel pipe cutter ENORM	2-4"	70060	070061D	9.7/20.0/41.0	8.0	70064	9.4/52/—	70063	_	Steel pipe (Fe)
TUBE CUTTER 30 PRO INOX	3-30 mm	71085	070056D	4.8/5.9/18.5	5.5	70041	4.7/14/M3	70068	_	Stainless steel pipe
TUBE CUTTER INOX	10-54 mm	70340	70341	5.0/21.0/30.0	3.5	753000700	4.7/14/M3	70068	21652	Stainless steel pipe
TUBE CUTTER 35 INOX	6-35 mm	70055	070056D	4.8/5.9/18.5	4.0	70041	4.7/14/M3	70068	21652	Stainless steel pipe
TUBE CUTTER 42 PRO INOX	6-42 mm	70070	070056D	4.8/5.9/18.5	4.0	70041	4.7/14/M3	70068	21652	Stainless steel pipe
SUPER INOX	3/8-1.1/4″	70086	070088D	4.8/5.9/19.3	4.0	701011500	7.4/30/—	70047	_	Stainless steel pipe
SUPER INOX	3/8-2"	70087	070089D	9.0/19.0/31.5	7.0	70053	7.4/35/—	70052	_	Stainless steel pipe
Chain pipe cutter	100 mm	70285	_	4.0/3.8/17.8	3.0	_	_	70286	70286	Cu, Ms, Al, Fe thin-walled

### **ROCUT Plastic Pro**

### One tool, two pipe diameters

The pipe cutter ROCUT Plastic Pro cuts PE, PP and PVC pipes. It cuts the pipe right angled, quickly and with only a few turns.

#### **Application Benefits**

- One tool can cut two pipe diameters and three different sizes are available
- Cut pipes with a wall thickness of up to 3.5 mm
- Requires only little working area and allows work in confined spaces

#### **Technical Data**

Working area	Ø 15-50 mm
Cutting depth	2-3.5 mm
Suitable for	PP, PE, PVC



Model	Weight	PU	No.
ROCUT Plastic Pro, 15–22 mm	0.340 kg	1	1000003051
ROCUT Plastic Pro, 32–40 mm	0.540 kg	1	1000003052
ROCUT Plastic Pro, 40–50 mm	0.540 kg	1	1000003106





### **ROCUT 42 Twin Cut**

# Shear for cutting all common plastic pipes with a diameter of $0-42\,\text{mm}$ (0-1.5/8'')

With the ROCUT 42 Twin Cut you can cut faster, clean and straight and with even less effort on all common plastic pipes up to  $42 \, \text{mm} \, (0-1.5/8'')$ .

#### **Application Benefits**

- Combines due to its unique function two shears: pipes can be cut in the one cut or ratchet cut function
- Direct cut function: Pipes up to 20 mm can be cut directly with one stroke
- Ratchet cut function: if the pipe dimension is too large or the material too thick for a one cut, the shear automatically switches into the ratchet mode

#### **Technical Data**

Working area direct cut	Ø 0–20 mm
Working area ratchet cut	Ø 20-42 mm
Blade	V-Contour, PTFE coated
Suitable for	PP, PE, PEX, PB, PVDF



Powerful cutting with the ratchet function.



With the one cut function pipes can be cut 80 % faster. You also save time since little calibration is needed.<sup>1</sup>







Model	Weight	PU	No.
ROCUT 42 Twin Cut, 0–42 mm (0–1.5/8")	0.550 kg	1	1000003011
Spare blade, 0–42 mm (0–1.5/8″)	0.120 kg	1	1000003104

### **ROCUT TC 42 Professional**

# Shear for cutting all common plastic pipes with a diameter of $\emptyset$ 0–42 mm (0–1.5/8")

With the ROCUT 42 TC Professional you can cut faster, clean and straight and with even less effort on all common plastic pipes up to  $\emptyset$  42mm (1.5/8″).

# **Application Benefits**

- · Minimum effort during cutting
- Precise right-angled cuts
- Pin-point precision without deformation
- Precise pressure transfer and guided cutter feed
- Automatic, controlled opening of the blade at the push of a button
- Secure grip with the rubberised handles
- Shear arms lockable in transport position



#### **Technical Data**

Working area	Ø 0-42 mm (0-1.5/8")
Suitable for	PP, PE, PEX, PB, PVDF





Ideally meshed cutting curve





Model	Weight	PU	No.
ROCUT TC 42 Professional, 0–42 mm (0–1.5/8")	0.447 kg	4	52000

### **ROCUT TC 32**

# Shear for cutting all common plastic pipes with a diameter of $\emptyset$ 0–32 mm (0–1.1/4")

Manual plastic pipe shear for cutting PP-, PE-, PEX-, PB- and PVDF pipes

#### **Application Benefits**

- Stainless steel blade with V-edge: pin-point precision without deformation
- Minimum effort: ideally meshed cutting curve
- Wide pipe support: Precise right-angled cuts
- Release the lever with the push of a button: Automatic and controlled opening of the blade
- Transport lock: For better transportation shear arms can be locked after cutting



Model	Weight	PU	No.
ROCUT TC 32, 0–32 mm (0–1.1/4")	0.220 kg	4	52040

#### **ROCUT TC 50 Professional**

#### Plastic pipe shears up to Ø0-50 mm (0-2")

For precise cutting of PP, PE, PEX, PB, PVC, PVDF and MLP pipes

#### **Application Benefits**

- Minimum effort during cutting
- Precise right-angled cuts
- Pin-point precision without deformation
- Precise pressure transfer and guided cutter feed
- Automatic, controlled opening of the blade at the push of a button
- Secure grip with the rubberised handles
- Shear arms lockable in transport position



Model	Weight	PU	No.
ROCUT TC 50 Professional, 0–50 mm (0–2″)	0.600 kg	6	52010

#### **ROCUT TC 63 Professional**

# Plastic pipe shears up to Ø 0-63 mm (0-2.1/2")

For precise cutting of PP, PE, PEX, PB, PVC, PVDF and MLP pipes

#### **Application Benefits**

- Minimum effort during cutting
- Precise right-angled cuts
- Pin-point precision without deformation
- Precise pressure transfer and guided cutter feed
- Automatic, controlled opening of the blade at the push of a button
- Secure grip with the rubberised handles
- Shear arms lockable in transport position



Model	Weight	PU	No.
ROCUT TC 63 Professional, 0–63 mm (0–2.1/2″)	0.700 kg	6	52030

### **ROCUT TC 75 Professional**

Manual plastic pipe shear for cutting PP-, PE-, PEX-, PB- and PVDF pipes





Model	Weight	PU	No.
ROCUT TC 75 Professional, 0–75 mm (0–3″)	1.600 kg	1	52015

### **ROCUT TC 26**

Manual plastic pipe shear for cutting PP-, PE-, PEX-, PB- and PVDF pipes





Model	Weight	PU	No.
ROCUT TC 26, 0-26 mm (0-1")	0.370 kg	4	52005

### **ROCUT PS 35**

Manual plastic pipe shear for cutting PP-, PE-, PEX-, PB- and PVDF pipes



Manual plastic pipe shear for cutting PP-, PE-, PEX-,





Model	Weight	PU	No.	
ROCUT PS 35, 6-35 mm (1/4-1.3/8")	0.740 kg	4	55005	

# **ROCUT 26/42 S adjustable**

PB- and PVDF pipes



Model	Weight	PU	No.
ROCUT 26/42 S, 6-42 mm (1/4-1.5/8")	0.950 kg	1	55015















No. 52016 No. 1000003104

Accessories	Weight	PU	No.
Spare blade for ROCUT 35 S, 6–35 mm (1/4–1.3/8″)	0.030 kg	1	55006
Spare blade for ROCUT 32 S, 0–32 mm (0–1.1/4")	0.120 kg	1	52041
Spare blade for ROCUT TC 42, 0–42 mm (0–1.5/8″)	0.120 kg	1	52042
Spare blade for ROCUT TC 50, 0–50 mm (0–2″)	0.120 kg	1	52011
Spare blade for ROCUT TC 63, 0–63 mm (0–2.1/2″)	0.130 kg	1	52031
Spare blade for ROCUT TC 75 Professional, 0–75 mm (0–3″)	0.190 kg	6	52016
Spare blade for ROCUT 42 Twin Cut, 0–42 mm (0–1.5/8")	0.120 kg	1	1000003104

#### **ROCUT 110 set**

# Cutting and chamfering tool for right-angled cutting and chamfering (15°), Ø 32–110 mm

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.

#### **Application Benefits**

- 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
- 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





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



Set (No. 55035) includes: ROCUT 110 (No. 55020), internal deburrer (No. 55018),  $2 \times$  clamping set 50 and 75mm, cutter blade shaft with automatic copying and HM cutter blade inserts 7.5mm (No. 54960), ROCASE inlay (No. 1300005864), ROCASE 4414 red w/o inlay (No. 1300003541)

Model	Weight	PU	No.
ROCUT 110 set, 50, 75, 110 mm (2–4″)	3.900 kg	1	55035

#### **ROCUT 160 set**

# Cutting and chamfering tool for right-angled cutting and chamfering (15°), Ø 110–160 mm

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.

# **Application Benefits**

- 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
- 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





ROCUT 160 with cutter blade



Set (No. 55063) includes: ROCUT 160 (No. 55030), internal deburrer (No. 55018),  $2 \times$  clamping sets, cutter blade shaft with automatic copying and, HM cutter blade insert 12.5mm (No. 55019), ROCASE inlay (No. 1300005864), ROCASE 4414 red w/o inlay (No. 1300003541)

Model	Weight	PU	No.
ROCUT 160 set, 110, 125, 160 mm (4–6″)	5.600 kg	1	55063

# **Clamping set ROCUT 110**

### Basic unit Ø32-110 mm

For use with clamping sets Ø 32–100 mm, without internal deburrer, with standard cutter blade shaft and cutter blade

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





Model	Weight	PU	No.
ROCUT 110, Basic unit, 32–110 mm	2.450 kg	1	55020
Clamping set for ROCUT 110, 32 mm, 2 semi-circular segments	0.330 kg	1	55026
Clamping set for ROCUT 110, 40 mm, 2 semi-circular segments	0.300 kg	1	55027
Clamping set for ROCUT 110, 50 mm, 2 semi-circular segments	0.290 kg	1	55025
Clamping set for ROCUT 110, 56 mm, 2 semi-circular segments	0.270 kg	1	55024
Clamping set for ROCUT 110, 63 mm, 2 semi-circular segments	0.220 kg	1	55023
Clamping set for ROCUT 110, 75 mm, 2 semi-circular segments	0.210 kg	1	55022
Clamping set for ROCUT 110, 80 mm, 2 semi-circular segments	0.170 kg	1	55047
Clamping set for ROCUT 110, 90 mm, 2 semi-circular segments	0.150 kg	1	55021
Clamping set for ROCUT 110, 100 mm	0.110 kg	1	55048

# **Clamping set ROCUT 160**

### Basic unit Ø 110-160 mm

Cutter blade shaft with automatic copying and cutter blade, for use with clamping sets Ø 110–140 mm, without internal deburrer

ROCUT 160 with cutter blade





Model	Weight	PU	No.
ROCUT 160, Basic unit, 110–160 mm	3.450 kg	1	55030
Clamping set for ROCUT 160, 110 mm, 2 semi-circular segments	0.310 kg	1	55033
Clamping set for ROCUT 160, 125 mm, 2 semi-circular segments	0.250 kg	1	55032
Clamping set for ROCUT 160, 140 mm, 2 semi-circular segments	0.180 kg	1	55031

# **HM-cutter clade inserts**

#### **ROCUT 110 and ROCUT 160**

Parting and chamfering system tool for right-angled, flat parting and chamfering

#### **Application Benefits**

• Accessory for ROCUT 110/160

#### **Technical Data**

Working area	Ø 32–160 mm
Suitable for	PVDF, PVC, PP, PEX, PE, PB





No. 54961

Model	Weight	PU	No.
Cutter blade shaft for ROCUT 110/160, 7.5 mm	0.111 kg	1	54960
Cutter blade shaft for ROCUT 110/160, 12.5 mm	0.120 kg	1	54961
Spare HM cutter blade 15°, 7.5 mm	0.010 kg	1	55029
Spare HM cutter blade 15°, 12.5 mm	0.020 kg	1	55019





# **Cutter wheels**

# **ROCUT 110 and ROCUT 160**

Parting and chamfering system tool for right-angled, flat parting and chamfering

# **Application Benefits**

• Accessory for ROCUT 110/160

#### **Technical Data**

Working area	Ø 32–160 mm
Suitable for	PVDF, PVC, PP, PEX, PE, PB



Model	Weight	PU	No.
Cutter blade shaft with cutter wheel for ROCUT	0.130 kg	1	54950
Spare cutter wheel 2 pcs.	0.010 kg	1	055053D
Spare cutter wheel 3 pcs.	0.020 kg	1	055054D
Spare cutter wheel 2 pcs.	0.020 kg	1	055074D



No. 055054D No. 055074D

# **PIPECUT** mini

The PIPECUT mini is a real all-rounder. It cuts copper, steel, stainless steel, plastic, multilayer composite pipes as well as profiles, mounting rails and threaded rods. The PIPECUT mini can be used stationary in the workshop and at the same time mobile on the construction site. The machine is powered by a CAS battery, which can be used to power 200 other machines from 20 different manufacturers.

For new installations and maintenance in the HVAC and industry sector

# **Application Benefits**

- Copper, plastic, C-steel, cast iron or stainless steel can be reliably cut in an 90 degree angle up to a pipe diameter of 110mm
- Cut mounting rails or threaded bolts—easy and fast
- Transform the PIPECUT mini into a circular saw, into a plunge saw or into a cross-cutting saw
- Three new, hig-quality saw blades
- Stationary and mobile use
- CAS battery system for maximum independence









#### **Technical Data**

Working area	Ø 0-110 mm (0-4")
System battery	CAS
Idle speed (min-max)	0-4.150/min
Sound pressure level	92 dB(A)
Sound power level (LwA)	103 dB(A)
Cutting depth	45 mm
Suitable for	Copper, MLP, steel, cast iron

#### Powerful 18 V battery



Copper, plastic, C-steel, cast iron or stainless steel can be cut up to a pipe diameter of 110 mm.



Transform the PIPECUT mini into a circular saw, into a plunge saw or into a cross-cutting saw.



Clamp function enables fastest cutting performance for different materials



# **PIPECUT** mini sets

All sets includes: PIPECUT mini baretool, DURACUT Uni saw blade, pipe support stand and ROCASE 6427 with inlay











**Set (No. 1000003165) includes:** PIPECUT mini bare tool, cross cut guide rail (No. 1500003693), 1 × RO BP18/4, 4.0 Ah 18 V battery (No. 1000001653), RO BC14/36 charger, 230 V (No. 1000001654), instruction manual, ROCASE 6427

Model	Weight	PU	No.
PIPECUT mini bare tool with universal saw blade	5.400 kg	1	1000003374
PIPECUT mini inclusive battery charger, 1 × 4.0 Ah battery	6.200 kg	1	1000003165
PIPECUT mini inclusive battery charger and cross cut guide rail, 1 × 4.0 Ah battery	6.800 kg	1	1000003398
DURACUT Uni, universal saw blade	0.100 kg	1	1500003621
DURACUT St, steel saw blade	0.100 kg	1	1500003673
DURACUT X, stainless steel saw blade	0.100 kg	1	1500003674
Cross cut guide rail for PIPECUT mini	0.400 kg	1	1500003694
Pipe support stand for PIPECUT mini	0.190 kg	1	1500003693

# **Batteries and charger**

Model	Weight	PU	No.
RO BP18/2, 2.0 Ah 18 V	0.420 kg	1	1000001652
RO BP18/4, 4.0 Ah 18 V	0.575 kg	1	1000001653
RO BP18/4, 4.0 Ah 18 V, Li-HD	0.515 kg	1	1000002548
RO BP18/8, 8.0 Ah 18 V, Li-HD	0.915 kg	1	1000002549
RO BC14/36 charger, 230 V	0.580 kg	1	1000001654

# **ROBO SUPER**

Suitable for sawing different materials

- · Minimizes risks: safety handle with exact guidance
- · Room for spare blades in holder
- · Optimum saw blade tensioning: quick tensioning device with fine adjustment integrated in handle
- Ideal for cutting in confined spaces: 90° rotatable



Model	Weight	PU	No.
ROBO SUPER SW 300 with HSSE 4 Plus saw blade	0.680 kg	1	71206

#### Metal saw arch

- · Solid design with robust holder
- With cross-slotted squared clamping elements
- $\bullet \ \ \text{Reliable captive blade holding pin} \quad \ \ _{\text{Cross-slotted squared clamping}}$
- Firm wooden handle

piece





Model	Weight	PU	No.
Metal saw frame without saw blade, 300 mm	0.530 kg	1	300013

# **ROBO MINI**

Suitable for sawing different materials

- · Handle with ergonomic form enables powerful sawing intight spaces
- · Large dimension tightening screw



Model	Weight	PU	No.
Saw blade for PUK metal, 150 mm / 32 tpi	0.020 kg	12	71217

#### Saw blades for UNI small saw PUK

For sawing all materials, small and handy, good cutting performance



Model	Weight	PU	No.
Saw blade for PUK 150 mm / 14 ZpZ	0.020 kg	12	71216
Saw blade for PUK saw metal, 150 mm/32 tpi	0.020 kg	12	71217

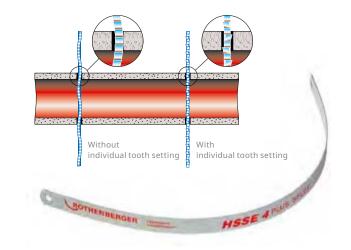
### **Hand saw blade HSSE 4 PLUS**

#### Bimetal hand saw blade

Highly flexible spring band steel with fused HSSE cutter

# **Application Benefits**

- Highest flexibility with extremely hard teeth
- · Hardness approx. 65 HRC: Average service life 4 times longer
- Risk of breakage significantly reduced even under extreme operational demands
- Precise cutting with individual tooth setting



Model	Weight	PU	No.
HSSE 4 Plus bimetal, 300 mm	0.020 kg	100	71213

Hand saw blades with single offset teeth optimally cut the hand saw blade free. Jamming in the workpiece is prevented. Therefore, the working rhythm is maintained, less effort is needed and there is a higher cutting performance.

# **Universal internal and external Deburrer**

# Quick and easy deburring Ø4-54 mm (1/8-2")

For copper, steel and stainless steel pipes, with polished cutting blade made of hardened special steel; smooth running

#### **Application Benefits**

- Tin mo
- En bu

<ul> <li>Time saving: Inner and oute more efficiently when instal</li> <li>Energy saving: Ergonomic d burr-free deburring without</li> </ul>	lling pipes lesign ensui	res accu	
Model	Weight	PU	No.
Internal and external deburrer,		<b>PU</b>	No.
Model Internal and external deburrer, 6–35 mm (1/4–1.3/8″) Internal and external deburrer INOX, 10–54 mm (3/8–2″)	' 0.100 kg		

# **Deburring adapter**

Adaptor for the use of the internal and external deburring with portable screwdriver or drill

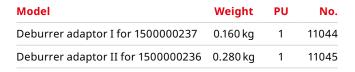
### **Application Benefits**

- User-friendly solution for deburring pipes internal and external
- Saves time

• Precise, burr-free deburring without effort

Best deburring results at low speed, 800 rpm at the most!









Deburring, chamfering and calibration

# **GRATFIX HSS**

For deburring edges and pipes, as well as steel, aluminium, brass, copper, cast-iron and plastic plates

# **Application Benefits**

- · Replaceable blades
- GRATFIX with plastic cartridge grip
- Grip recess is raised at the end and prevents the tool from slipping out of users' hands
- One-handed use with the retractable locking head
- · Offset surfaces provide a good torque
- Pluggable handle ends for the storage of associated blades

Ideal for deburring of edges, pipes and steel, aluminium, brass, copper sheets, cast iron and plastic plates!



Model	Weight	PU	No.
GRATFIX HSS with spare blade number 1, Universal	0.050 kg	1	21655

#### **UNIGRAT**

For deburring edges and pipes, as well as steel, aluminium, brass, copper, cast-iron and plastic plates

### **Application Benefits**

- Replaceable blades
- UNIGRAT with plastic cartridge grip
- Grip recess is raised at the end and prevents the tool from slipping out of users hands
- One-handed use with the retractable locking head
- · Offset surfaces provide a good torque
- Pluggable handle ends for the storage of associated blades

Ideal for deburring of edges, pipes and steel, aluminium, brass, copper sheets, cast iron and plastic plates!



Model	Weight	PU	No.
UNIGRAT with HSS deburring blade	0.030 kg	10	21660

# **ROGRAT-MLP deburrer and chamfering tool**

For internal and external deburring, chamfering, calibrating and custom milling of PE-X and aluminium multi-layer (MLP) pipes of up to Ø 16-26 mm

# **Application Benefits**

- Internal and external deburrer for PE-X and aluminium multilayer pipes (MLP) through chamfering to approved standards
- Simultaneous chamfering
- Calibration of the pipe ends through a special guiding pin



One tool with three functions: chamfering, calibrating and deburring!





Fig. ROGRAT MLP deburrer set

# **ROGRAT MLP system-manual** chamfering attachments

Model	Weight	PU	No.
Attachment for ROGRAT MLP, TH 16 mm	0.053 kg	1	14122
Attachment for ROGRAT MLP, TH 26 mm	0.108 kg	1	14126

Color coding prevents confusion



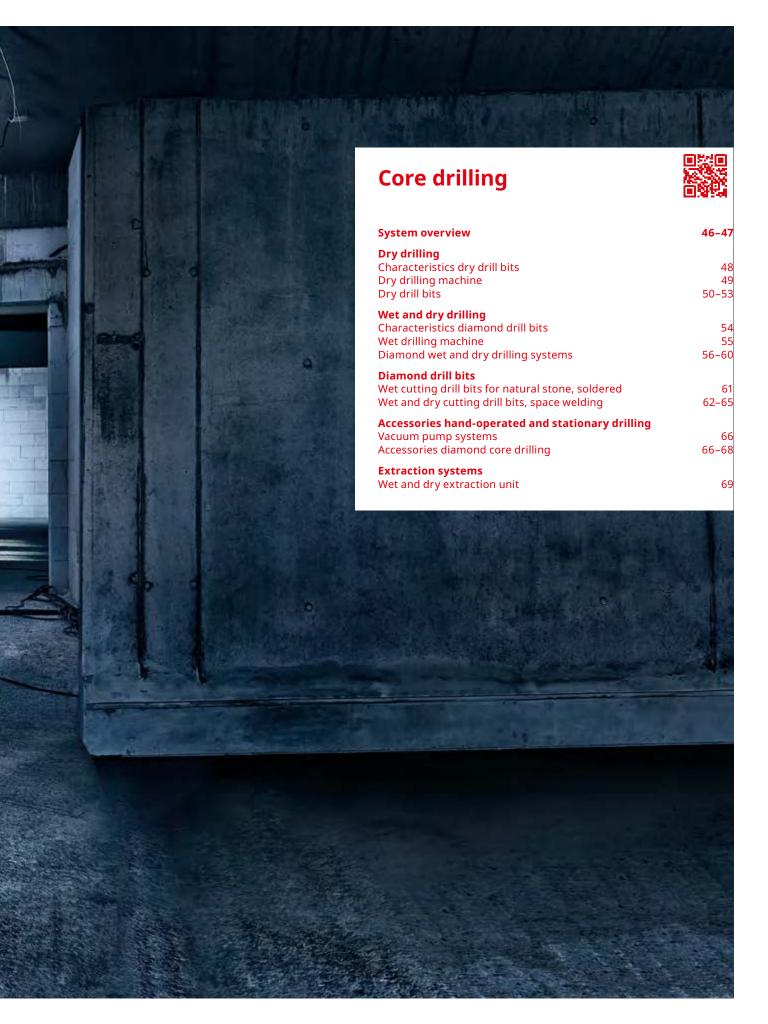
System optimised chamfer



Set includes: carrying case (No. 14005), with basic handle grip (No. 14000) and system-manual chamfering attachments

Model	Weight	PU	No.
ROGRAT MSR-Set TH 16, 20, 26 mm	0.760 kg	1	14250
Basic handle for ROGRAT	0.250 kg	1	14000





# **Hand-operated drilling**

RODIADRILL 1800 Dry RODIADRILL Ceramic

**RODIADRILL 160** 

**RODIADRILL 200** 



Page	49	55	57	57
Weight	5.500 kg	3.400 kg	6.700 kg	7.200 kg
Torque	20 Nm	4/7 Nm	55/27 Nm	71/34/17 Nm
Nominal speed	1,800 rpm	3,600/6,400 rpm	500/1,050rpm	600/1,250/3,200 rpm
Speed transmission	1-gear	2-gear	2-gear	3-gear
Power	1,800 W	800 W	1,400 W	2,200 W
Hand-operated drilling: Masonry	Ø 32-92 mm	Ø 6-67 mm	Ø 32–162 mm	Ø 32-250 mm
Hand-operated drilling: Concrete	Ø 32–92 mm	Ø 6-35 mm	Ø 10-82 mm	Ø 10-82 mm
Stationary drilling: Masonry	Ø 32–202 mm	Ø 6-67 mm	Ø 32–162 mm	Ø 32–225 mm
Stationary drilling: Concrete	Ø 32–202 mm	Ø 6-67 mm	Ø 10–132 mm	Ø 10-200 mm

		Drill bits		
	DX High Speed Dry	High Speed Plus natural stone	DX High Speed Plus	SPEED STAR DX
	COPPUI MERIODICA			Commenter of the second
Connection	G 1/2", 1.1/4" UNC	G 1/2"	G 1/2", 1.1/4" UNC	G 1/2", 1.1/4" UNC

Connection	G 1/2", 1.1/4" UNC	G 1/2″	G 1/2″, 1.1/4″ UNC	G 1/2″, 1.1/4″ UNC
Drill bit diameter	Ø 32–205 mm	Ø 6-67 mm	Ø 20-300 mm	Ø 10-500 mm
Working length	G 1/2" & 1.1/4" UNC 150 mm and 330 mm	up to Ø 10 mm = 50 mm from Ø 12 mm = 120 mm	G 1/2″, 400 mm length 1.1/4″ UNC, 430 mm length	G 1/2″, 400 mm length 1.1/4″ UNC, 430 mm lengt
Application	dry	wet	wet and dry	wet and dry
Tiles	∜	<b>V</b> VV	✓	<b>V</b> V
Granite	∜	<b>V</b> VV	✓	<b>V</b> V
Marble	⋞	<b>V</b> VV	✓	<b>//</b>
Brick	$\checkmark\checkmark$	<b>V</b> V	<b>✓✓✓</b> ∜	<b>✓✓✓</b> ∜
Masonry	$\checkmark\checkmark$	✓	<b>✓✓✓</b> ∜	<b>✓✓</b> ∜
Lime-sand brick	$\checkmark\checkmark$	✓	<b>✓✓✓</b> ∜	<b>✓✓</b> ∜
Asphalt	$\checkmark\checkmark$	<b>V</b>	<b>✓✓✓</b> ∜	<b>✓✓✓</b> ∜
Screed	$\checkmark\checkmark$	<b>V</b> V	<b>///</b>	<b>V</b> V
Concrete	$\checkmark\checkmark$	<b>V</b> VV	<b>///</b>	<b>V</b> V
Reinforced concrete	$\checkmark\checkmark$	<b>V</b> VV	<b>//</b>	<b>VVV</b>
Page	50	61	62	64

Hand-operated drilling			Stationary drilling	
	RODIADRILL 500	RODIACUT 150 RODIADRILL 160	RODIACUT 150 RODIADRILL 200	RODIACUT 250 RODIADRILL 200
	-			
Stationary drilling: Concrete	Ø 32–400 (500²) mm	Ø 10–132 mm	Ø 10-152 mm	Ø 10-200 mm

Page	59	56	56	58
Weight	12.100 kg	16.700 kg	17.200 kg	25.200 kg
Torque	185/107/55 Nm	55/27 Nm	71/34/17 Nm	71/34/17 Nm
Nominal speed	215/430/785rpm	500/1,050rpm	600/1,250/3,200rpm	600/1,250/3,200rpm
Speed transmission	3-gear	2-gear	3-gear	3-gear
Power	3,000 W	1,400 W	2,200 W	2,200 W
Hand-operated drilling: Masonry	0	Ø 32–162 mm	Ø 32–250 mm	Ø 32–250 mm
Hand-operated drilling: Concrete	0	Ø 10-82 mm	Ø 10-82 mm	Ø 10-82 mm
Stationary drilling: Masonry	Ø 32-400 (500²) mm	Ø 10–152 mm	Ø 10-152 mm	Ø 32–225 mm
Stationary drilling: Concrete	Ø 32-400 (500²) mm	Ø 10-132 mm	Ø 10–152 mm	Ø 10-200 mm

# **Stationary drilling**

RODIACUT 250 RODIADRILL 500 RODIACUT 400 PRO RODIADRILL 500





Stationary drilling: Concrete	Ø 32–250 mm	Ø 32-400 (500²) mm
Stationary drilling: Masonry	Ø 32–250 mm	Ø 32-400 (500²) mm
Hand-operated drilling: Concrete	0	0
Hand-operated drilling: Masonry	0	0
Power	3,000 W	3,000 W
Speed transmission	3-gear	3-gear
Nominal speed	215/430/785rpm	215/430/785 rpm
Torque	185/107/55 Nm	185/107/55 Nm
Weight	30.100 kg	39.800 kg
Page	58	60

# **Dry drill bits: DX High Speed Dry**

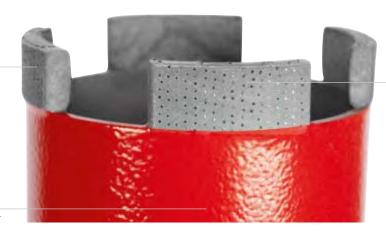
#### Uncomplicated and universally applicable

- Dry drilling causes less dirt and no wetness
- · No water supply needed at the job site
- Uncomplicated preparation and follow-up saves time and effort
- Trouble-free drilling in reinforced concrete, masonry or sand-lime brick
- There is a suitable variant for every application: Threaded sockets 1.1/4" UNC and G1/2" Working length 150 & 330 mmDiameter 32–205 mm



#### Segment height: 10 mm

High cutting performance and long service life



Precise, three-dimensional symmetry of the diamond segments

Even wear—less effort when drilling

# Overwound drill bits

Balanced rotation reduces wear

For more information and videos follow us on Youtube



# **DX High Speed Dry**

Dry drill bits with 3D-Diamatrix segments



Dry drill bits DX High Speed Dry on page 50

### **Application Benefits**

- 3D diamond matrix: Three-dimensional positioning of the diamonds for easy-cutting drilling, even wear of the segments, little effort and long service life
- Segment height: 10 mm, for high cutting efficiency and long service life
- Overturned drill bits ensure precise concentricity and reduce wear and tear
- Air vents eliminate drilling dust and provide cooling
- 1.1/4" UNC and 1/2" threaded mounting is suitable for all ROTHENBERGER drill motors
- Working length 150 & 330 mm
- Available in diameters 32–205 mm

### **Accessories**





No. FF40185

No. 1000003978

Page	No.
49	FF40185
69	1000003978
	49

# **RODIADRILL 1800 DRY**

The electrical drill motor RODIADRILL 1800 DRY is suited for hand-operated and stationary drillings from Ø 32 to 202 mm

# 230 V



# **Application Benefits**

- Efficient drilling due to additional POWER PULS technology
- Optimum drilling process due to stronger suction, removable extraction rotor for stationary core drilling
- Electronic friction clutch with 20 Nm torque for larger drill holes
- Safety due to electronic soft starter with overload indicator
- Easy handling and compact design, can be used close to the wall

# **Technical Data**

Input power	2,500 W
Output power	1,800 W
Power with unit of measurement	1,800 W
Current type	8.5 A
Drilling range	32-202 mm





Model	Weight	PU	No.
Drill Motor RODIADRILL 1800 DRY	5.500 kg	1	FF40185

# **DX High Speed Dry**

# Dry drill bits with 3D-Diamatrix segments for easy-cutting and fast drilling

# **Application Benefits**

- 3D diamond matrix: Three-dimensional positioning of the diamonds for a cutting-friendly and long-lasting service life
- · Very easy to drill for safe first cut in freehand operation
- · Exact concentricity reduces wear



#### **Technical Data**

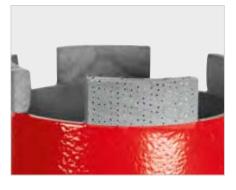
Drill bits	Segments
Ø 32-92 mm	3-5
Ø 102–127 mm	6-7
Ø 132–162 mm	8-9
Ø 182–205 mm	10



Threaded adaptor 1.1/4" UNC with a large exhaust opening



3D-Diamatrix increase the service life and ensures less effort



Air vents for removal of the drill dust and for cooling work



# DX High Speed Dry 1.1/4" UNC







Model	Weight	PU	No.
DX High Speed Dry 1.1/4" UNC, D = 32 mm, NL = 330 mm	1.070 kg	1	1500004051
DX High Speed Dry 1.1/4" UNC, D = 37 mm, NL = 330 mm	1.170 kg	1	1500004054
DX High Speed Dry 1.1/4" UNC, D = 42 mm, NL = 330 mm	1.270 kg	1	1500004055
DX High Speed Dry 1.1/4" UNC, D = 52 mm, NL = 330 mm	1.473 kg	1	1500004056
DX High Speed Dry 1.1/4" UNC, D = 57 mm, NL = 330 mm	1.580 kg	1	1500004057
DX High Speed Dry 1.1/4" UNC, D = 62 mm, NL = 330 mm	1.680 kg	1	1500004058
DX High Speed Dry 1.1/4" UNC, D = 68 mm, NL = 330 mm	1.810 kg	1	1500004059
DX High Speed Dry 1.1/4" UNC, D = 72 mm, NL = 330 mm	1.910 kg	1	1500004060
DX High Speed Dry 1.1/4" UNC, D = 82 mm, NL = 330 mm	2.130 kg	1	1500004061
DX High Speed Dry 1.1/4" UNC, D = 92 mm, NL = 330 mm	2.360 kg	1	1500004062
DX High Speed Dry 1.1/4" UNC, D = 102 mm, NL = 330 mm	2.610 kg	1	1500004100
DX High Speed Dry 1.1/4" UNC, D = 107 mm, NL = 330 mm	2.730 kg	1	1500004063
DX High Speed Dry 1.1/4" UNC, D = 112 mm, NL = 330 mm	2.860 kg	1	1500004064
DX High Speed Dry 1.1/4" UNC, D = 122 mm, NL = 330 mm	3.120 kg	1	1500004065
DX High Speed Dry 1.1/4" UNC, D = 127 mm, NL = 330 mm	3.940 kg	1	1500004066
DX High Speed Dry 1.1/4" UNC, D = 132 mm, NL = 330 mm	4.110 kg	1	1500004067
DX High Speed Dry 1.1/4" UNC, D = 142 mm, NL = 330 mm	4.460 kg	1	1500004068
DX High Speed Dry 1.1/4" UNC, D = 152 mm, NL = 330 mm	4.810 kg	1	1500004069
DX High Speed Dry 1.1/4" UNC, D = 162 mm, NL = 330 mm	5.180 kg	1	1500004070
DX High Speed Dry 1.1/4" UNC, D = 182 mm, NL = 330 mm	5.930 kg	1	1500004071
DX High Speed Dry 1.1/4" UNC, D = 205 mm, NL = 330 mm	6.850 kg	1	1500004072

# DX High Speed Dry 1/2"







Model	Weight	PU	No.
DX High Speed Dry 1/2", D = 32 mm, NL = 150 mm	0.590 kg	1	1500004078
DX High Speed Dry 1/2", D = 37 mm, NL = 150 mm	0.620 kg	1	1500004080
DX High Speed Dry 1/2", D = 42 mm, NL = 150 mm	0.660 kg	1	1500004081
DX High Speed Dry 1/2", D = 52 mm, NL = 150 mm	0.750 kg	1	1500004082
DX High Speed Dry 1/2", D = 57 mm, NL = 150 mm	0.790 kg	1	1500004083
DX High Speed Dry 1/2", D = 62 mm, NL = 150 mm	0.830 kg	1	1500004084
DX High Speed Dry 1/2", D = 68 mm, NL = 150 mm	0.880 kg	1	1500004085
DX High Speed Dry 1/2", D = 72 mm, NL = 150 mm	0.930 kg	1	1500004086
DX High Speed Dry 1/2", D = 82 mm, NL = 150 mm	1.030 kg	1	1500004087
DX High Speed Dry 1/2", D = 92 mm, NL = 150 mm	1.130 kg	1	1500004088
DX High Speed Dry 1/2", D = 102 mm, NL = 150 mm	1.240 kg	1	1500004089
DX High Speed Dry 1/2", D = 107 mm, NL = 150 mm	1.300 kg	1	1500004090
DX High Speed Dry 1/2", D = 112 mm, NL = 150 mm	1.360 kg	1	1500004091
DX High Speed Dry 1/2", D = 122 mm, NL = 150 mm	1.490 kg	1	1500004092
DX High Speed Dry 1/2", D = 127 mm, NL = 150 mm	1.840 kg	1	1500004093
DX High Speed Dry 1/2", D = 132 mm, NL = 150 mm	1.930 kg	1	1500004094
DX High Speed Dry 1/2", D = 142 mm, NL = 150 mm	2.090 kg	1	1500004095
DX High Speed Dry 1/2", D = 152 mm, NL = 150 mm	2.270 kg	1	1500004096
DX High Speed Dry 1/2", D = 162 mm, NL = 150 mm	2.450 kg	1	1500004097
DX High Speed Dry 1/2", D = 182 mm, NL = 150 mm	2.830 kg	1	1500004098
DX High Speed Dry 1/2", D = 205 mm, NL = 150 mm	3.270 kg	1	1500004099
DX High Speed Dry 1/2", D = 32 mm, NL = 330 mm	0.760 kg	1	1500004074
DX High Speed Dry 1/2", D = 37 mm, NL = 330 mm	0.830 kg	1	1500004075
DX High Speed Dry 1/2", D = 42 mm, NL = 330 mm	0.900 kg	1	1500004076
DX High Speed Dry 1/2", D = 52 mm, NL = 330 mm	1.040 kg	1	1500004077

# **DX High Speed Dry M16**









Model	Weight	PU	No.
DX High Speed Dry M16, D = 32 mm, NL = 150 mm	1.070 kg	1	1500004163
DX High Speed Dry M16, D = 37 mm, NL = 150 mm	0.620 kg	1	1500004165
DX High Speed Dry M16, D = 42 mm, NL = 150 mm	0.660 kg	1	1500004167
DX High Speed Dry M16, D = 52 mm, NL = 150 mm	0.750 kg	1	1500004168
DX High Speed Dry M16, D = 57 mm, NL = 150 mm	0.790 kg	1	1500004170
DX High Speed Dry M16, D = 62 mm, NL = 150 mm	0.830 kg	1	1500004171
DX High Speed Dry M16, D = 68 mm, NL = 150 mm	0.880 kg	1	1500004172
DX High Speed Dry M16, D = 72 mm, NL = 150 mm	0.930 kg	1	1500004173
DX High Speed Dry M16, D = 82 mm, NL = 150 mm	1.030 kg	1	1500004174
DX High Speed Dry M16, D = 92 mm, NL = 150 mm	1.130 kg	1	1500004175
DX High Speed Dry M16, D = 102 mm, NL = 150 mm	1.240 kg	1	1500004176
DX High Speed Dry M16, D = 107 mm, NL = 150 mm	1.300 kg	1	1500004177
DX High Speed Dry M16, D = 112 mm, NL = 150 mm	1.360 kg	1	1500004179
DX High Speed Dry M16, D = 122 mm, NL = 150 mm	1.490 kg	1	1500004180
DX High Speed Dry M16, D = 127 mm, NL = 150 mm	1.840 kg	1	1500004181
DX High Speed Dry M16, D = 132 mm, NL = 150 mm	1.930 kg	1	1500004182
DX High Speed Dry M16, D = 142 mm, NL = 150 mm	2.090 kg	1	1500004183
DX High Speed Dry M16, D = 152 mm, NL = 150 mm	2.270 kg	1	1500004184
DX High Speed Dry M16, D = 162 mm, NL = 150 mm	2.450 kg	1	1500004185
DX High Speed Dry M16, D = 182 mm, NL = 150 mm	2.830 kg	1	1500004186
DX High Speed Dry M16, D = 205 mm, NL = 150 mm	3.270 kg	1	1500004187

# Space welding

Cold welding process according to cutting-edge bonding technology: Due to the "neutral zone" the entire diamond segment is used without waste.

#### **Space welding**

Wet and dry drilling with new technology:

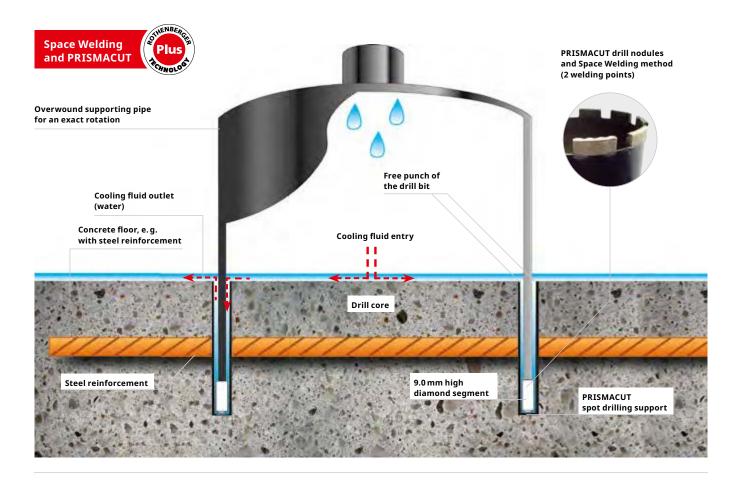
- The innovative high-performance drill bit DURAMANT PRO and SPEED STAR DX is produced using cutting-edge welding technology
- Because of the neutral zone, the "Space welding" cold welding process guarantees the optimum use of the complete diamond segments without loss
- The service life is up to 20 % higher compared to lasered and soldered drill bits

# **PRISMACUT**

Four drill nodules on the diamond segment improve the drill behaviour and at the same time provides optimum water cooling.

#### **PRISMACUT**

- The exceptional segment positioning offers optimum free punch size and an excellent cutting speed
- The "PRISMACUT" centre drill nodule is characterised by a better drill behaviour and preservation of the diamond segment
- PRISMACUT guarantees direct water cooling of the diamond segments
- 15 % higher cutting speed with steel reinforcement



# DX High Speed Plus universal drill bits

Space welding universal wet and dry drill bits for  $\emptyset$  10–300 mm



DX-High Speed Plus universal drill bits on page 62

# **SPEED STAR DX**

Space welding wet and dry drill bits for different diameters in the range of  $10-500\,\text{mm}$ 



SPEED STAR DX drill bits on page 64



# **RODIADRILL Ceramic**

#### Hand-operated wet drilling, drill Ø 6-67 mm

Ideally suited for HVAC&R, plumbing professionals, tilers, stair builders, remodelling specialists as well as electricians. Everywhere where jolt-free operation is necessary and extremely hard materials need to be processed

#### Hand-operated wet drilling in:

(reinforced) concrete Ø 6–35 mm, marble, granite, ceramic tiles, masonry, hollow brickwork and glass Ø 6-67 mm

# **Application Benefits**

- For all common G 1/2" drill bits
- · Fatigue-free operation with the lightweight
- · Also drills through material combinations (for example tiles+ masonry) without damaging material or surfaces and without cumbersome tool change
- "Aqua-stop button" with quantity adjustment
- Ideal for serial drilling with the external water supply
- · Toolless exchange of the drill bits with the Quick change
- Integrated 1 litre water tank for 4-6 drill holes









### **Technical Data**

Input power	1,150 W
Voltage	230 V
Output power	800 W
Speed	3,600 rpm
Speed 2-gear	6,400 rpm
Number of courses	2
Drilling area concrete	35 mm
Drilling area masonry	67 mm
Power	230 V
Current type	3.6 A

# Integrated 1 litre water tank ROTHENBERGER Sufficient supply for 4-6 drill holes and can be rotated when working in confined spaces Quick change system drill bit adaptor Toolless quick change for G 1/2" drill bits Connection for external water supply "Aqua-stop button"-Ideal solution for serial drillings pressure valve with quantity adjustment Perfectly regulated flow of the water quantity 11-part set (No. FF40150) includes: drill motor RODIADRILL Ceramic

Model	Weight	PU	No.
RODIADRILL Ceramic Set Drill bits 6-8-10 mm, 230 V	3.400 kg	1	FF40150





(No. FF40150), 1 high speed plus drill bit each Ø 6-8-10 mm (No. FF44806, FF44808, FF44810), 3 × quick change adapter (No. FF35751), spanners sizes 24 and 27 (No. FF70024, FF70027), hexagonal key (No. 321523), ROCASE 6414

(No. 1300003336), ROCASE inlay (No. 1300005582)







Accessories	Page	No.
Quick change adaptor		FF35751
Pressurized water container 101	67	FF35028
Special water supply hose	67	FF35301



No. FF35302



High Speed Plus Natural Stone



No. FF35700

Accessories	Page	No.
Water supply hose with "aqua-stop"	67	FF35302
HSP Nature stone drill bits	61	
Water collecting ring, stationary	68	FF35700

# **RODIACUT 150/RODIADRILL 160**

RODIACUT 150 drill stand with combination drill mounting plate and RODIADRILL 160 drill motor for drilling Ø 10–132 mm (Ø 162 mm) in reinforced concrete

#### **RODIADRILL 160:**

Ø 10–132 mm for stationary wet drilling in (reinforced) concrete, Ø 10–82 mm for hand-operated wet drilling in (reinforced) concrete, Ø 10–162 mm for hand-operated dry drilling in masonry

# **Application Benefits**

- Drill angle adjustments from 0° up to +45°, in 15° steps adjustable
- One tool for all settings on the drill stand
- 2 leveling indicators included 4 adjustment screws for fast and precise alignment of the drill stand
- Lightweight aluminum construction allows a one man operation of the drilling system
- Fully-equipped drill stand including Borehole centre indicator, drill depth stop and a scale for easier application





#### **Technical Data**

Input power	2,000 W
Output power	1,400 W
Speed	1,570 rpm
Drilling stroke	430 mm
Drilling area concrete	132 mm
Drilling area masonry	162 mm



3 applications with one device!

Model	Weight	PU	No.
RODIACUT 150/RODIADRILL 160	16.500 kg	1	FF34150
RODIACUT 150	9.700 kg	1	FF30150
RODIADRILL 160	6.800 kg	1	FF40165

# **RODIACUT 150/RODIADRILL 200**

RODIACUT 150 drill stand with combination drill mounting plate and RODIADRILL 200 drill motor for drilling Ø 10-132 mm (Ø 162 mm) in reinforced concrete

#### **RODIADRILL 200:**

Ø 10–132 mm for stationary wet drilling in (reinforced) concrete, Ø 10–82 mm for hand-operated wet drilling in (reinforced) concrete, Ø 10–162 mm for hand-operated dry drilling in masonry

#### **Application Benefits**

- Drill angle adjustments from 0° up to +45°, in 15° steps adjustable
- · One tool for all settings on the drill stand
- 2 leveling indicators included 4 adjustment screws for fast and precise alignment of the drill stand
- Lightweight aluminum construction allows a one man operation of the drilling system
- Fully-equipped drill stand including Borehole centre indicator, drill depth stop and a scale for easier application

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SERVICE+
SERVICE



#### **Technical Data**

Input power	2,700 W
Output power	2,200 W
Speed	3,200 rpm
Drilling stroke	430 mm
Drilling area concrete	132 mm
Drilling area masonry	162 mm





3 applications with one device!

# **RODIADRILL 160**

#### **Drill motor**

#### **RODIADRILL 160:**

Ø 10-132 mm for stationary wet drilling in (reinforced) concrete, Ø 10-82 mm for hand-operated wet drilling in (reinforced) concrete, Ø 10–162 mm for hand-operated dry drilling in masonry

#### **Application Benefits**

- Safety for motor and user through integrated mechanical sliding clutch, electronically controlled overload cut-off and PRCD circuit breaker
- Optimum drilling progress through electronically controlled soft start and LED display
- In the event of overload cut-off the motor is immediately ready after restarting
- · Low operating costs due to maintenance-friendly head

Model	Weight	PU	No.
RODIADRILL 160	6.800 kg	1	FF40165





Input power	2,000 W
Output power	1,400 W
Speed	1,570 rpm

#### **RODIADRILL 200**

#### **Drill motor**

#### **RODIADRILL 200:**

Ø 10-200 mm for stationary wet drilling in reinforced concrete, Ø 10-225 mm for stationary dry drilling in masonry, Ø 10-82 mm for hand-operated wet drilling in reinforced concrete, Ø 10-250 mm for hand-operated dry drilling in masonry

#### **Application Benefits**

- Safety for motor and user through integrated mechanical sliding clutch, electronically controlled overload cut-off and PRCD circuit breaker
- Optimum drilling progress through electronically controlled soft start and LED display
- In the event of overload cut-off the motor is immediately ready after restarting
- · Low operating costs due to maintenance-friendly head



#### **Technical Data**

Input power	2,700 W
Output power	2,200 W
Speed	3,200 U / min

















SPEED STAR DX



DX High Speed Plus

No. FF40150

No. 1000003978

No. FF35028

No. FF35700

**Accessories Page** No. RODIADRILL Ceramic 55 FF40150 Pressurized water container 10 l 67 FF35028 Vacuum pump RODIA-VAC 66 FF35200

No. FF35200 No. FF40056

Accessories	Page	No.
RODIA DW CLEANER M	69	1000003978
Water collecting ring, stationary	68	FF35700
Drill bits	61-65	

#### **RODIACUT 250 / RODIADRILL 200**

RODIACUT 250 drill stand with combination drill mounting plate and RODIADRILL 200 drill motor for drilling Ø 10–200 mm (Ø 250 mm) in reinforced concrete

#### **RODIADRILL 200:**

Ø 10–200 mm for stationary wet drilling in reinforced concrete,

Ø 10–225 mm for stationary dry drilling in masonry,

Ø 10–82 mm for hand-operated wet drilling in reinforced concrete,

Ø 10–250 mm for hand-operated dry drilling in masonry







#### **Technical Data**

Input power	2,700 W
Output power	2,000 W
Speed	3,200 rpm
Drilling stroke	430 mm
Drilling area concrete	200 mm
Drilling area masonry	200 mm

# **Application Benefits**

- Drill angle adjustments from 0° up to +45°, in 15° steps adjustable
- · One tool for all settings on the drill stand
- 2 leveling indicators included 4 adjustment screws for fast and precise alignment of the drill stand
- Lightweight aluminum construction allows a one man operation of the drilling system
- Fully-equipped drill stand including Borehole centre indicator, drill depth stop and a scale for easier application

4 applications with one device!

Model	Weight	PU	No.
RODIACUT 250 / RODIADRILL 200	26.600 kg	1	FF34200
RODIACUT 250	14.500 kg	1	FF30250
RODIADRILL 200	7.200 kg	1	FF40220

#### **RODIACUT 250 / RODIADRILL 500**

RODIACUT 250 drill stand with combination drill mounting plate and RODIADRILL 500 drill motor for drilling Ø 32-250 mm in reinforced concrete

#### **RODIADRILL 500:**

Ø 32–250 mm for stationary wet drilling in reinforced concrete, Ø 32–250 mm for stationary dry drilling in masonry

#### **Application Benefits**

- Drill angle adjustments from 0° up to +45°, in 15° steps adjustable
- One tool for all settings on the drill stand
- 2 leveling indicators included 4 adjustment screws for fast and precise alignment of the drill stand
- Lightweight aluminum construction allows a one man operation of the drilling system
- Fully-equipped drill stand including Borehole centre indicator, drill depth stop and a scale for easier application







one device!

2 applications with

Model	Weight	PU	No.
RODIACUT 250 / RODIADRILL 500	31.400 kg	1	FF34260
RODIACUT 250	14.500 kg	1	FF30250
RODIADRILL 500	12.100 kg	1	FF40400

# **RODIADRILL 200**

#### **Drill motor**

#### **RODIADRILL 200:**

 $\emptyset$  10–200 mm for stationary wet drilling in reinforced concrete,

Ø 10-225 mm for stationary dry drilling in masonry,

Ø 10-82 mm for hand-operated wet drilling in reinforced concrete,

Ø 10-250 mm for hand-operated dry drilling in masonry

### **Application Benefits**

- Safety for motor and user through integrated mechanical sliding clutch, electronically controlled overload cut-off and PRCD circuit breaker
- Optimum drilling progress through electronically controlled soft start and LED display
- In the event of overload cut-off the motor is immediately ready after restarting
- Low operating costs due to maintenance-friendly head



# **Technical Data**

Input power	2,700 W
Output power	2,200 W
Speed	3,200 U/min

Model	Weight	PU	No.
RODIADRILL 200	7.200 kg	1	FF40220

#### **RODIADRILL 500**

# **Drill motor**

# **RODIADRILL 500**

Ø32-400 mm for stationary wet drilling in concrete, Ø 32-400 mm for stationary dry drilling in masonry

#### **Application Benefits**

- · Safety for motor and user due to integrated mechanical slipping clutch, electronically controlled overload cut-off and
- Optimum drilling progress due to electronically controlled soft start and LED display
- In the event of overload shutdown, the motor is immediately ready for use again after restarting
- Low operating costs due to easy-to-maintain rinsing head

Model	Weight	PU	No.
RODIADRILL 500	12.100 kg	1	FF40400



Input power	4,000 W	
Output power	3,000 W	
Speed	785 rpm	













No. FF40056



SPEED STAR DX



DX High Speed Plus

No. FF40150

No. 1000003978

No. FF35028

No. FF35700

**Accessories Page** No. RODIADRILL Ceramic 55 FF40150 Pressurized water container 10 l 67 FF35028 Vacuum pump RODIA-VAC 66 FF35200

**Accessories Page** RODIA DW CLEANER M 69 1000003978 FF35700 Water collecting ring, stationary 68 Drill bits 61-65

# **RODIACUT 400 / RODIADRILL 500**

**RODIACUT 400 drill stand with combination drill mounting** plate and RODIADRILL 500 drill motor for drilling Ø 32-400 (500)1 mm in reinforced concrete

# 2 applications in one unit:

Ø 32-400 mm for stationary wet drilling in (reinforced) concrete, Ø 32-400 mm for stationary dry drilling in masonry

# **Application Benefits**

- Drill angle adjustments from -15° up to +45°, in 2.5° steps adjustable
- Exchangeable guide rail









#### **Technical Data**

Input power	4,000 W
Output power	3,000 W
Drilling stroke	430 mm
Drilling area concrete	400 mm
Drilling area masonry	400 mm

#### 4×roll guides

Precise and low vibration operation, flexible use/module concept

#### **Drill angle adjustments**

Adjustable from -15° up to +45° in 2.5° steps

#### **Rubber transport wheels**

Quick and easy transport on the building site

Set (No. FF34500) includes: drill stand RODIACUT 400 PRO (No. FF30030), drill motor RODIADRILL 500 (No. FF40400), tool bag (No. FF70001), spanner SW19 DIN895 (No. FF70019N), spanner SW24 DIN894 (No. FF70024), spanner SW32 DIN894 (No. FF70032), spanner SW41 DIN894 (No. FF70041), concrete fixing-set (No. FF35120), water supply hose + adaptor for Gardena coupling (No. FF35302), hammer drill SDS Plus 15×160 mm (No. 111429), copper ring 1.1/4" (No. FF35190), instruction manual drill stand RODIACUT 400 PRO (No. 1300002467), instruction manual RODIADRILL 500 (No. 1300002468), earplugs SaveRave (No. 4100000439), rubberized gloves (No. 4100000443), safety goggles HC/AF (No. 4100000441)

Model	Weight	PU	No.
Drill system RODIACUT 400 RODIADRILL 500	40.500 kg	1	FF34500
Drill system RODIACUT 400 RODIADRILL 500	28.400 kg	1	FF30030
Drill system RODIACUT 400 RODIADRILL 500	12.100 kg	1	FF40400



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No. FF35028 No. FF35029

Accessories	Page	No.
Pressurized water container 10 l	67	FF35028
Fixing set	66	FF35120
Drill bits	61-65	

Accessories	Page	No.
Distance plate 60 mm		FF35136
Copper rings 1.1/4"	67	FF35190
Extensions for drill bits	68	

# **High Speed Plus Natural Stone**

Soldered diamond core wet cutting drill bit between Ø 6-67 mm for extremely hard materials

Special wet drill bits for drilling in natural stone, granite, marble, (double) baked brick, masonry, (reinforced) concrete, glass or hollow brickwork from Ø 6-67 mm.

Typical areas of application are HVAC&R, plumbing and electronic installations, old building renovations, laying tile, stairs and railing installation, air-conditioning technology, garden and landscaping

# **Application Benefits**

- Extremely easy cuts, very long service life through 9 mm high segments
- Suitable for all ROTHENBERGER drilling machines
- Balanced rotation reduces wear
- Drilling even through material combinations possible
- Drill holes on the seam or edge of material possible with the use of diamond rings
- Conventional G 1/2" threaded attachments

#### Suitable for all other drilling systems with G 1/2" and 1.1/4" UNC!



#### **Technical Data**

Drill bits	Segments		
Ø 6-40 mm	Ring segments		
Ø 45-67 mm <sup>1</sup>	4-6		

<sup>1)</sup> Single segment mounting from Ø 45 mm

#### 9 mm high segments with high diamond concentration





Balanced rotation reduces wear

Suitable for all other ROTHENBERGER







Reinf, concrete





Marble





Granite





Green granite



Asphalt







Suitable for

Model	Weight	PU	Adaptor G 1/2″ No.
High Speed Plus natural stone G1/2", D = 6,3 mm, NL = 55 mm	0.170 kg	1	FF44806
High Speed Plus natural stone G1/2", D = 8,3 mm, NL = 55 mm	0.170 kg	1	FF44808
High Speed Plus natural stone G1/2", D = 10 mm, NL = 55 mm	0.170 kg	1	FF44810
High Speed Plus natural stone G1/2", D = 12 mm, NL = 125 mm	0.190 kg	1	FF44812
High Speed Plus natural stone G1/2", D = 14 mm, NL = 125 mm	0.200 kg	1	FF44814
High Speed Plus natural stone G1/2", D = 15 mm, NL = 125 mm	0.200 kg	1	FF44815
High Speed Plus natural stone G1/2", D = 16 mm, NL = 125 mm	0.190 kg	1	FF44816
High Speed Plus natural stone G1/2", D = 20 mm, NL = 125 mm	0.220 kg	1	FF44820

# **High Speed Plus Natural Stone**

Weight	PU	Adaptor G 1/2″ No.
0.220 kg	1	FF44822
0.220 kg	1	FF44824
0.250 kg	1	FF44830
0.290 kg	1	FF44835
0.340 kg	1	FF44840
0.600 kg	1	FF44850
0.570 kg	1	FF44855
0.720 kg	1	FF44860
0.790 kg	1	FF44867
	0.220 kg 0.220 kg 0.250 kg 0.290 kg 0.340 kg 0.600 kg 0.570 kg	0.220 kg 1 0.220 kg 1 0.250 kg 1 0.290 kg 1 0.340 kg 1 0.600 kg 1 0.570 kg 1 0.720 kg 1

#### **DX-HIGH SPEED Plus universal drill bits**

# Space welding universal wet and dry drill bits Ø 20–300 mm

Wet and dry drill bits for drilling in reinforced concrete, asphalt, masonry as well as lime sand brick for Ø 20–300 mm Typical areas of application are HVAC&R and electronic installations, old building renovations, building industry, air-conditioning technology, garden and landscaping

# **Application Benefits**

- Extremely easy cutting, safe cut in hand-operated use
- Faster cutting progress and extremely long service life
- Suitable for all other ROTHENBERGER drilling machines
- Balanced rotation reduces wear

# Highest service life and universal application!







#### **Technical Data**

Drill bits	Segments G 1/2"	Segments G 1.1/4" UNC
Ø 20-40 mm	1	0
Ø 30-62 mm	0	1-6
Ø 42-62 mm	4-6	0
Ø 72–92 mm	7-8	7–8
Ø 102–152 mm	8-11	9–12
Ø 162–182 mm	0	12-14
Ø 200–300 mm	0	14-20

# Extremely easy cuts, safe cuts in Special segment mix hand operated use Quicker drilling progress and extremely long service life Space welding Suitable for Allows wet and dry use Overwound drill bits Balanced rotation reduces wear Threaded adaptor G 1/2" and 1.1/4" UNC Suitable for all other ROTHENBERGER drilling RD 500<sup>1</sup> machines <sup>1</sup>When used as a dry drill, we recommend: RODIA DW CLEANER M (No. 1000003978)

Pavement

Lime sand brick



Reinf, concrete

Masonry

Hollow brickwork

Marble

# **DX-HIGH SPEED Plus universal drill bits**









Suitable for all other drilling systems with G 1/2" and 1.1/4" UNC!

Model	Weight	PU	Adaptor G 1/2″ No.
DX High Speed Plus G1/2", D = 20 mm, NL = 300 mm	0.500 kg	1	FF44620
DX High Speed Plus G1/2", D = 30 mm, NL = 300 mm	0.600 kg	1	FF44630
DX High Speed Plus G1/2", D = 40 mm, NL = 300 mm	0.700 kg	1	FF44640
DX High Speed Plus G1/2", D = 52 mm, NL = 300 mm	0.895 kg	1	FF44650
DX High Speed Plus G1/2", D = 62 mm, NL = 300 mm	1.160 kg	1	FF44660
DX High Speed Plus G1/2", D = 72 mm, NL = 300 mm	1.420 kg	1	FF44670
DX High Speed Plus G1/2", D = 82 mm, NL = 300 mm	1.600 kg	1	FF44680
DX High Speed Plus G1/2", D = 92 mm, NL = 300 mm	1.900 kg	1	FF44690
DX High Speed Plus G1/2", D = 102 mm, NL = 300 mm	2.180 kg	1	FF44700
DX High Speed Plus G1/2", D = 112 mm, NL = 300 mm	2.400 kg	1	FF44710
DX High Speed Plus G1/2", D = 122 mm, NL = 300 mm	2.600 kg	1	FF44720
DX High Speed Plus $G1/2''$ , D = 132 mm, NL = 300 mm	2.900 kg	1	FF44730
Model	Weight	PU	Adaptor G 1.1/4″ UNC No.
DX High Speed Plus 1.1/4" UNC , D = 32 mm, NL = 430 mm	0.700 kg	1	FF44030
DX High Speed Plus 1.1/4" UNC , D = 40 mm, NL = 430 mm	1.200 kg	1	FF44040
DX High Speed Plus 1.1/4" UNC , D = 52mm, NL = 430 mm	1.600 kg	1	FF44050
DX High Speed Plus 1.1/4" UNC , D = 62 mm, NL = 430 mm	1.900 kg	1	FF44060
DX High Speed Plus 1.1/4" UNC , D = 72 mm, NL = 430 mm	2.300 kg	1	FF44070
DX High Speed Plus 1.1/4" UNC , D = 82 mm, NL = 430 mm	2.600 kg	1	FF44080
DX High Speed Plus 1.1/4" UNC , D = 92 mm, NL = 430 mm	3.000 kg	1	FF44090
DX High Speed Plus 1.1/4" UNC , D = 102 mm, NL = 430 mm	3.400 kg	1	FF44100
DX High Speed Plus $1.1/4''$ UNC , D = $112$ mm, NL = $430$ mm	3.800 kg	1	FF44110
DX High Speed Plus 1.1/4" UNC , D = 122 mm, NL = 430 mm	4.180 kg	1	FF44120
DX High Speed Plus $1.1/4''$ UNC , D = 125 mm, NL = 430 mm	4.300 kg	1	FF44125
DX High Speed Plus 1.1/4" UNC , D = 132 mm, NL = 430 mm	4.600 kg	1	FF44130
DX High Speed Plus 1.1/4" UNC , D = 142 mm, NL = 430 mm	5.000 kg	1	FF44140
DX High Speed Plus 1.1/4" UNC , D = 152 mm, NL = 430 mm	6.400 kg	1	FF44150
DX High Speed Plus 1.1/4" UNC , D = 162 mm, NL = 430 mm	7.000 kg	1	FF44160
DX High Speed Plus 1.1/4" UNC , D = 172 mm, NL = 430 mm	7.500 kg	1	FF44170
DX High Speed Plus 1.1/4" UNC , D = 182 mm, NL = 430 mm	8.000 kg	1	FF44180
DX High Speed Plus 1.1/4" UNC , D = 200 mm, NL = 430 mm	9.000 kg	1	FF44200
DX High Speed Plus 1.1/4" UNC , D = 220 mm, NL = 430 mm	11.400 kg	1	FF44220
DX High Speed Plus 1.1/4" UNC , D = 250 mm, NL = 430 mm	13.600 kg	1	FF44250
DX High Speed Plus 1.1/4" UNC , D = 300 mm, NL = 430 mm	19.300 kg	1	FF44300

# **SPEED STAR DX**

# Space welding wet and dry drill bits between Ø 10-500 mm

Wet and dry drill bits for asphalt, masonry as well as natural and artificial stone between Ø 10-500 mm

Typical areas of application are HVAC&R, plumbing, old building renovations, building industry, air-conditioning technology, gardening and landscaping

#### **Application Benefits**

- Extremely easy cuts, safe cut in hand-operated use
- Balanced rotation reduces wear
- Suitable for all other ROTHENBERGER drilling machines
- Standard lengths 400 / 500 mm, special lengths available on
- Conventional G 1/2" and 1.1/4" UNC threaded adaptors







#### **Technical Data**

Drill bits	Segments
Ø 10–38 mm	1
Ø 40–55 mm	1-6
Ø 56–102 mm	6-8
Ø 107–142 mm	9–11
Ø 142–182 mm	11–14
Ø 182–250 mm	14-16
Ø 300-500 mm	16-26

Special drill bits for asphalt, pavement as well as special lengths up to 1,000 mm available upon request!





For better drill behaviour

**PRISMACUT** 







**Extremely high diamond** 



<sup>1</sup>When used as a dry drill, we recommend: RODIA DW CLEANER M (No. 1000003978)









Overwound drill bits

Balanced rotation reduces wear

Threaded adaptor G 1/2" and 1.1/4" UNC

Suitable for all other ROTHENBERGER drilling machines

Model	Weight	PU	Adaptor G 1/2″ No.
SPEED STAR DX, G1/2", D = 10 mm, NL = 400 mm	0.320 kg	1	FF00610
SPEED STAR DX, G1/2", D = 12 mm, NL = 400 mm	0.315 kg	1	FF00612
SPEED STAR DX, G1/2", D = 16 mm, NL = 400 mm	0.360 kg	1	FF00616
SPEED STAR DX, G1/2", D = 18 mm, NL = 400 mm	0.365 kg	1	FF00618
SPEED STAR DX, G1/2", D = 20 mm, NL = 400 mm	0.435 kg	1	FF00620
SPEED STAR DX, G1/2", D = 25 mm, NL = 400 mm	0.470 kg	1	FF00625
SPEED STAR DX, G1/2", D = 32 mm, NL = 400 mm	0.590 kg	1	FF00632
SPEED STAR DX ,G1/2", D = 40 mm, NL = 400 mm	0.780 kg	1	FF00640
SPEED STAR DX, G1/2", D = 46 mm, NL = 400 mm	0.835 kg	1	FF00645
SPEED STAR DX, G1/2", D = 52 mm, NL =400 mm	0.980 kg	1	FF00650
SPEED STAR DX, G1/2", D = 56 mm, NL = 400 mm	1.330 kg	1	FF00655

# **SPEED STAR DX**











Suitable for all other drilling systems with G 1/2" and 1.1/4" UNC!

Model	Weight	PU	Adaptor G 1/2″ No.
SPEED STAR DX, G1/2", D = 66 mm, NL = 400 mm	1.300 kg	1	FF00665
SPEED STAR DX, G1/2", D = 76 mm, NL = 400 mm	1.900 kg	1	FF00675
SPEED STAR DX, G1/2", D = 82 mm, NL = 400 mm	2.070 kg	1	FF00680
SPEED STAR DX, G1/2", D = 102 mm, NL = 400 mm	2.510 kg	1	FF00700
SPEED STAR DX ,G1/2", D = 112 mm, NL = 400 mm	2.940 kg	1	FF00710
SPEED STAR DX, G1/2", D = 132 mm, NL = 400 mm	3.470 kg	1	FF00730
Model	Weight	PU	Adaptor G 1.1/4″ No.
SPEED STAR DX 1.1/4" UNC, D =25 mm, NL = 430 mm	0.860 kg	1	FF00025
SPEED STAR DX 1.1/4" UNC, D = 30 mm, NL = 430 mm	0.950 kg	1	FF00030
SPEED STAR DX 1.1/4" UNC, D = 46 mm, NL = 430 mm	1.180 kg	1	FF00045
SPEED STAR DX 1.1/4" UNC, D = 52 mm, NL = 430 mm	1.650 kg	1	FF00050
SPEED STAR DX 1.1/4" UNC, D = 56 mm, NL = 430 mm	1.750 kg	1	FF00055
SPEED STAR DX 1.1/4" UNC, D = 66 mm, NL = 430 mm	2.020 kg	1	FF00065
SPEED STAR DX 1.1/4" UNC, D = 76 mm, NL = 430 mm	2.420 kg	1	FF00075
SPEED STAR DX 1.1/4" UNC, D = 102 mm, NL = 430 mm	3.270 kg	1	FF00100
SPEED STAR DX 1.1/4" UNC, D = 112 mm, NL = 430 mm	3.710 kg	1	FF00110
SPEED STAR DX 1.1/4" UNC, D = 122 mm, NL = 430 mm	4.020 kg	1	FF00120
SPEED STAR DX 1.1/4" UNC, D = 132 mm, NL = 430 mm	5.150 kg	1	FF00130
SPEED STAR DX 1.1/4″UNC, D = 142 mm, NL = 430 mm	5.470 kg	1	FF00140
SPEED STAR DX 1.1/4" UNC, D = 152 mm, NL = 430 mm	6.020 kg	1	FF00150
SPEED STAR DX 1.1/4" UNC, D = 162 mm, NL = 430 mm	6.620 kg	1	FF00160
SPEED STAR DX 1.1/4" UNC, D = 200 mm, NL = 430 mm	8.550 kg	1	FF00200
SPEED STAR DX 1.1/4" UNC, D = 250 mm, NL = 430 mm	12.130 kg	1	FF00250
SPEED STAR DX 1.1/4" UNC, D = 280 mm, NL = 430 mm	17.600 kg	1	FF00280
SPEED STAR DX 1.1/4" UNC, D = 300 mm, NL = 430 mm	19.300 kg	1	FF00300
SPEED STAR DX 1.1/4" UNC, D = 350 mm, NL = 430 mm	21.000 kg	1	FF00350
SPEED STAR DX 1.1/4" UNC, D = 500 mm, NL = 430 mm	39.100 kg	1	FF00500

# Vacuum pump RODIA-VAC

This vacuum pump is suitable for all diamond core drilling units. An extraction tank prevents the vacuum plate from loosening quickly during a sudden power failure. Oil-free vacuum pump with pressure gauge.

1.1 kW motor power 85 % Vacuum 2001/min extraction volume

#### 10 l extraction tank

Safety during power failure

Drill stand can only be mounted with a combination of vacuum plate and vacuum set!



# **Quick clamping column**

Toolless and reliable bracing between floor and wall or wall and wall. Maximum operation range from 1.7 m up to 3.0 m with a load capacity up to 500 kg with sideway guidance.



Model	Weight	PU	No.
Quick Clamping Column, operation 1.7 to 3.0 m	9.000 kg	1	FF35015

# Special diamond drills for tiles and natural stone



For use when hammer drills can not do the job. Various material combinations, such as tiles on concrete, can be easily drilled without damage.

	BOTHENBERGER	-0
Special diamond drills  For tiles and natural stone		
	ROTHENBERGER	

Model	Weight	PU	No.
High Speed Plus natural stone G1/2″, D = 15 mm, EL = 125 mm	0.200 kg	1	FF44815
High Speed Plus natural stone G1/2″, D = 20 mm, EL = 125 mm	0.220 kg	1	FF44820

# Vacuum sets



Model	Weight	PU	No.
Vacuum Set for RODIACUT 202DWS/270C	1.115 kg	1	FF35740
Vacuum set for RODIACUT 131/170-C	1.100 kg	1	FF35710

# Fixing set concrete/mansonry



**Set (No. FF35120) includes:** knurled thread rod type G-B 160 mm, screw thread M 12/20 mm (No. FF35129), U-washer (No. FF70166), winged nut M 12 (No. FF55150), 25 × drive-in anchor M 12 (No. FF35122) and drive-in iron (No. FF35128)

Set (No. FF35121) includes: knurled thread rod type G-M 280 mm, screw thread M 12/85 mm (No. FF35130), U-washer (No. FF70166), winged nut M 12 (No. FF55150), hexagonal nut M12 (No. FF70167),  $5 \times \text{Rawl}$  anchor M 12 (reusable) (No. FF35126) and drive-in iron (No. FF35128)

Model	Weight	PU	No.
Fixing set concrete	1.000 kg	1	FF35120
Fixing set masonry	1.100 kg	1	FF35121

# **Thread interfaces**

Between motor connection and drill bit



Model	Weight	PU	No.
Thread adaptor 1.1/4″ UNC(I) to G1/2″(I)	0.700 kg	1	FF35095
Thread adaptor G1/2″ to 1.1/4″ UNC	0.500 kg	1	FF35080

# **Copper rings**

Levels out the unevenness between motor connection and drill bit. Easy loosening prevents drill bits from getting stuck on the driveshaft.



Model	Weight	PU	No.
Copper rings 1.1/4"	0.050 kg	1	FF35190

# **SDS-plus hammer drill**

For drilling in granite, concrete, concrete reinforcement, clinker, stone, masonry and marble



Model	Weight	PU	No.
SDS-plus hammer drill 15 × 160 mm	0.160 kg	1	111429
SDS-plus hammer drill 20 × 450 mm	0.060 kg	1	111450

# Water supply

The sturdy 10 liter pressurized water container made of steel is perfectly suited for individual drilling. When drilling large diameters or series drillings, the fully submersible RODIAPUMP enables a mobile supply of water from buckets or other containers up to a delivery height of 5 meters using a 1″ water hose.

#### **Application Benefits**

- Robust steel tank designed for a long service life
- Pressure gauge with display, ideal for setting the water pressure
- 2.5 meters connection hose with quick-connect coupling, drip-free connection to drilling motors
- 10 liters of water, can support 3–4 drilling
- Metal hose connection



Model	Weight	PU	No.
Pressurized water container capacity 10 l	5.500 kg	1	FF35028
Water supply for RODIADRILL	0.200 kg	1	FF35301
Water supply hose with Aqua-Stop	0.111 kg	1	FF35302

#### Water extraction systems

The dirty cooling water is extracted in connection with a wet and dry vacuum (No. 1000003978)

#### **Application Benefits**

- Fast, tool-free attachment to the RODIACUT 150/250 drill stand, thanks to integrated metal clamps
- Replaceable rubber membranes serve as splash protection, ideal for different drill bit dimensions
- Sealing rubber at the bottom of the water suction ring ensures tightness and thus leakage protection





Model	Weight	PU	No.
Water collection ring for RODIACUT 131 DWS, 150 and 170 C stationary, up to Ø 132 mm	1.200 kg	1	FF35700
Water collection ring for RODIACUT 202 DWS, 250 and 270 C stationary, up to Ø 200 mm	2.500 kg	1	FF35730

#### Extensions for drill bits 1.1/4" UNC

The robust steel extensions can be used to quickly increase the driling depth. Extensions with the same coupling can be linked together

# **Application Benefits**

- Easy extension of the drilling depth
- · High-quality and robust steel design



Model	Weight	PU	No.
1.1/4" UNC, EL = 100 mm	1.000 kg	1	FF35060
1.1/4" UNC, EL = 200 mm	2.000 kg	1	FF35065
1.1/4" UNC, EL = 300 mm	2.950 kg	1	FF35070
1.1/4" UNC, EL = 500 mm	5.120 kg	1	FF35075

# Extensions for drill bits G 1/2"

With this high-quality and robust drill bit extension made of steel and a threaded connection G 1/2", the drilling depth can be extended safely and reliably. All commercially available drill bits with this connection can use this extension.

#### **Application Benefits**

- Easy extension of the drilling depth
- · High-quality and robust steel design



Model	Weight	PU	No.
G 1/2", EL = 100 mm	0.400 kg	1	FF35040
G 1/2", EL = 200 mm	0.900 kg	1	FF35045
G 1/2", EL = 300 mm	1.400 kg	1	FF35050
G 1/2", EL = 500 mm	2.400 kg	1	FF35055

#### **RODIADUST**

# Universal adaptor for wet drilling machines for dust-free dry drilling

Provides optimum extraction results in conjunction with RODIA DW CLEANER M (No. 1000003978) and increases the drilling process, prevents jamming of drill bit and reduces segment wear.

# **Application Benefits**

- Adaptor for drill bits 1.1/4" UNC for dust-free dry drilling in connection with dry vacuum cleaner and drill
- Reduces bit jamming and increases drilling progress
- Different vacuum cleaner connections possible via adapter piece



Model	Weight	PU	No.
RODIADUST 1.1/4" UNC	1.900 kg	1	FF40056

# **RODIA DW CLEANER M**

Especially good in combination with RODIADRILL 1800 DRY or the suction system RODIADUST from ROTHENBERGER. Optimum suction results and increases work progress, prevents tool jamming and reduces wear Constant extraction power!
Automatic filter-cleaning function!

#### **Application Benefits**

- Compact wet and dry extraction unit with 4 casters for easy operation
- Dust protection class M for high cleaning efficiency
- High cleaning efficiency due to 2 polyster filter cassettes with up to 99.9 % dust retention capacity
- High ease of use due to enormous working radius of 13 meters, 8 meters power cord and 5 meters suction hose
- Special suction hose, very robust and resistant in the daily works
- Automatic shaking of the filter cassettes ensures constant suction power
- Volume flow regulator and automatic socket for optimal ease of use

#### **Technical Data**

Voltage	240 V
Sound power level (LwA)	69 dB(A)
Power	1,600 W
Hose length	5 m



Model	Weight	PU	No.
RODIA DW CLEANER M	12.200 kg	1	1000003978





# Push bending

TUBE BENDER TUBE BENDER MAXI TUBE BENDER MAXI MLP







Method	Manual 90°	Manual 90°	Manual 90°
<b>Working range:</b>	Ø 5–12 mm (1/4–1/2″)	Ø 12–22 mm (3/8–7/8″)	0
Copper	•⊙1 mm, soft	•⊙1 mm, soft	
<b>Working range:</b>	Ø 5–12 mm (1/4–1/2″)	Ø 12–22 mm (3/8–7/8″)	0
Aluminium	•⊙1 mm, soft	+⊙1 mm, soft	
<b>Working range:</b>	Ø 5–12 mm (1/4–1/2″)	Ø 12–22 mm (3/8–7/8″)	0
Precision steel	•⊙1 mm, soft	•⊙1 mm, soft	
<b>Working range:</b> Stainless steel	0	0	0
<b>Working range:</b>	0	Ø 14-26 mm (5/8-7/8″)	Ø 14–32 mm (1/4–1/2″)
MLP		•⊙3 mm	•⊙3 mm
Page	74	75	76

Pull bending			
Standard bending plier	MULTIBEND	MINIBEND	Standard bender 180°
5	-	-	- All









Manual 90°	Manual 180°	Manual 180°	Manual 180°
Ø 12–22 mm •⊙1 mm, semi-hard	Ø 10–18 mm (1/4–5/8″) •⊙1 mm, soft	Ø 6–10 mm (1/4–3/8″) •⊙1 mm, soft	Ø 6–18 mm (1/4–5/8″) •⊙1 mm, soft
0	Ø 10–18 mm (1/4–5/8″) •⊙1 mm, soft	Ø 6–10 mm (1/4–3/8″) •⊙1 mm, soft	Ø 6–18 mm (1/4–5/8″) •⊙1 mm, soft
0	Ø 10–18 mm (1/4–5/8″) •⊙1 mm, soft	Ø 6–10 mm (1/4–3/8″) •⊙1 mm, soft	Ø 6–18 mm (1/4–5/8″) •⊙1 mm, soft
0	0	0	0
0	0	0	0
77	77	78	78
	Ø 12–22 mm •© 1 mm, semi-hard	Ø 12–22 mm -⊙1 mm, semi-hard  Ø 10–18 mm (1/4–5/8″) -⊙1 mm, soft  Ø 10–18 mm (1/4–5/8″) -⊙1 mm, soft  Ø 10–18 mm (1/4–5/8″) -⊙1 mm, soft  ○  ○  ○  ○  ○  ○  ○	Ø 12-22 mm •⊙1 mm, semi-hard       Ø 10-18 mm (1/4-5/8″) •⊙1 mm, soft       Ø 6-10 mm (1/4-3/8″) •⊙1 mm, soft         Ø 10-18 mm (1/4-5/8″) •⊙1 mm, soft       Ø 6-10 mm (1/4-3/8″) •⊙1 mm, soft         Ø 10-18 mm (1/4-5/8″) •⊙1 mm, soft       Ø 6-10 mm (1/4-3/8″) •⊙1 mm, soft         ⊙       ⊙         ⊙       ⊙         ⊙       ⊙

# **Push bending** ROBULL Typ E **ROBULL Typ ME**

Method	Manual hydraulic 90°	Elektro hydraulic 90°
Working range: Copper	0	0
Working range: Aluminium	0	0
Working range: Precision steel	Ø 3/8-2″	Ø 3/8-2″
Working range: Stainless steel	0	0
<b>Working range:</b> MLP	0	0
Page	82	84

		Pull bending		
	PRO BENDER	ROBEND H+W Plus	ROBEND 4000 E	ROBEND 4000
Method	Manual 180°	Manual 180°	Elektric 180°	Elektric 180°
Working range: Copper	Ø 10−16 mm (3/8−3/4″) •⊙1 mm, soft, semi-hard, hard	Ø 8–22 mm (5/16–7/8″) •⊙1 mm, soft, semi-hard, hard	Ø 12–35 mm (1/2–1.3/8″) •⊙ 1.6 mm, soft, semi-hard, hard	Ø 12–35 mm (1/2–1.3/8″) •⊙ 1.6 mm, soft, semi-hard, hard
Working range: Aluminium	0	Ø 8–22 mm (5/16–7/8″) •⊙1 mm, soft	Ø 12–28 mm (1/2–1.1/8″) •⊙2 mm, soft, semi-hard, hard	Ø 12–28 mm (1/2–1.1/8″) •⊙2 mm, soft, semi-hard, hard
Working range: Precision steel	0	Ø 10−22 mm (3/8−5/8″) •⊙1 mm, soft	Ø 12–28 mm (1/2–1.1/8″) •⊙2 mm, soft	Ø 12–28 mm (1/2–1.1/8″) •⊙2 mm, soft
Working range: Stainless steel	Ø 10−16 mm (3/8−3/4″) •⊙1 mm, soft, semi-hard, hard	Ø 8-22 mm (5/16-7/8″) •⊙1 mm	Ø 12–28 mm (1/2–1.1/8″) •⊙ 1.5 mm, soft	Ø 12–28 mm (1/2–1.1/8″) •⊙ 1.5 mm, soft
<b>Working range:</b> MLP	0	0	0	0
Page	77	80	86	88

#### Manual bending devices / Bending accessories

#### **TUBE BENDER**

Manual bending device for bending tubes in dimensions 5-12 mm (1/4-1/2")

Suitable for pipes made of:

Copper (soft) and aluminium: Ø5-12 mm, 1/4-1/2" Ø 5–12 mm, 1/4–1/2" Precision steel (soft):

#### **Application Benefits**

• Dimensionally accurate bending even in constrained positions

· Production of overbends, counterbends, floor bends and connecting bends possible in all planes

Ratchet arm with bayonet

Quick change of the bending

bends, swan-neck bends and

Open bending frame Production of U-bends, counter

• Simple and fast change of the bending segment

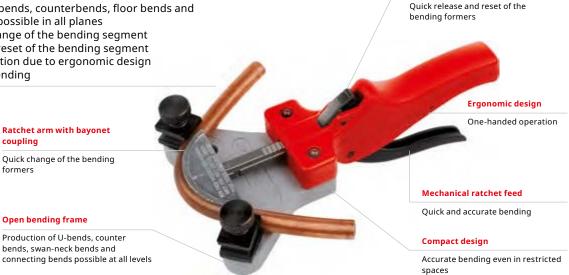
· Quick release and reset of the bending segment

One-handed operation due to ergonomic design

coupling

formers

Fast and precise bending



Release lever

Model	Weight	PU	No.
TUBE BENDER set 5–6–8–10 mm	2.840 kg	1	24131
TUBE BENDER set 6-8-10-12 mm	3.030 kg	1	24132
TUBE BENDER set 8–10–12 mm	2.820 kg	1	24133
TUBE BENDER set 1/4-5/16-3/8-1/2"	2.920 kg	1	24134
TUBE BENDER bare tool without bending segments	0.360 kg	1	766004016
Side shape for TUBE BENDER MAXI 1 piece	0.050 kg	1	24048
Counter-holding plate without side shapes	0.140 kg	1	24049

#### **TUBE BENDER bending segment**

Model	Weight	PU	No.
Bending segment for TUBE BENDER 5 mm (3/16")	0.190 kg	1	24001
Bending segment for TUBE BENDER 6 mm (1/4")	0.210 kg	1	R2403200
Bending segment for TUBE BENDER 8 mm (5/16″)	0.250 kg	1	R2403300
Bending segment for TUBE BENDER 9 mm	0.360 kg	1	R2403400
Bending segment for TUBE BENDER 10 mm	0.390 kg	1	R2403500
Bending segment for TUBE BENDER 12 mm	0.390 kg	1	24007
Bending segment for TUBE BENDER 3/8″	0.270 kg	1	24006
Bending segment for TUBE BENDER 1/2″	0.390 kg	1	24008

#### **TUBE BENDER MAXI**

## For accurate one-handed bending up to 90°, Ø 12–26 mm (3/8-7/8'')

For the bending of pipes made of soft copper and aluminium, coated copper and precision steel pipes as well as multilayered composite pipes. Suitable for pipe made of:

 Copper (soft) and aluminium:
 Ø 10-22 mm, 3/8-7/8"

 Copper (coated):
 Ø 10-18 mm, 3/8-5/8"

 Precision steel (soft):
 Ø 10-22 mm, 3/8-7/8"

 MLP (Multilayer):
 Ø 14-26 mm, 5/8-7/8"

#### **Application Benefits**

- Eliminates the cost for bending formers, storage and purchase
- Quick release and reset of the bending segments
- Bending segments are easily exchanged
- Optimum bending results

#### Optimum bending results

Plastic bending segments and support segments with increased conductivity

#### Adjustable bending frame

Production of U-bends, counter bends, swan-neck bends and connecting bends possible at all levels



Model	Weight	PU	No.
TUBE BENDER MAXI set 12-15-18-22 mm	3.500 kg	1	023020X
TUBE BENDER MAXI set 12–14–16–18–22 mm	3.500 kg	1	023021X
TUBE BENDER MAXI set 3/8-1/2-5/8-3/4-7/8"	3.300 kg	1	023022X
TUBE BENDER MAXI set MLP 14-16-18-20-25 mm	3.300 kg	1	023090X
TUBE BENDER MAXI set MLP 14-16-18-20-26 mm	3.300 kg	1	023091X
TUBE BENDER MAXI bare tool without bracket	1.000 kg	1	766100016
Side shape set for TUBE BENDER MAXI MLP R / L, 14–25 mm	0.500 kg	1	23008
Side shape set for TUBE BENDER MAXI R/L, 12–22 mm (1/2–7/8″)	0.100 kg	1	23047



#### **TUBE BENDER Maxi bending segment**

Model	Weight	PU	No.
Bending segment 10 mm	0.080 kg	1	23001
Bending segment 12 mm	0.080 kg	1	23002
Bending segment 14 mm	0.080 kg	1	23003
Bending segment 15 mm	0.090 kg	1	23004
Bending segment 16 mm	0.100 kg	1	23005
Bending segment 18 mm	0.140 kg	1	23006

Model	Weight	PU	No.
Bending segment 20 mm	0.150 kg	1	23052
Bending segment 22 mm	0.170 kg	1	23007
Bending segment 3/8"	0.070 kg	1	23010
Bending segment 1/2"	0.080 kg	1	23011
Bending segment 5/8"	0.100 kg	1	23012
Bending segment 3/4"	0.120 kg	1	23013

#### **TUBE BENDER MAXI MLP**

One-handed bending tool for precision bending of multi-layered composite pipes (MLP), Ø 14–32 mm

Universal bending tool. Increases safety by reducing the number of joints. Eliminates the costs for bending formers, storage and purchase.

- Ideal in confined spaces
- · Quick release and resetting of bending formers
- Bending formers easily changed
- Optimal bending results
- Reduction of pressure-loss in the unit due to the low cross-sectional constriction as compared to prefabricated form pieces





Model	Weight	PU	No.
TUBE BENDER MAXI MLP 14-16-18-20-25-32 mm	4.690 kg	1	23065
TUBE BENDER MAXI MLP 14-16-18-20-26-32 mm	8.300 kg	1	23095













Accessories	Weight	No.
Bending segment 14 × 2.0 mm	0.080 kg	23003
Bending segment 16 × 2.0 mm	0.100 kg	23005
Bending segment 18 × 2.0 mm	0.140 kg	23050
Bending segment 20 × 2.0 mm	0.150 kg	23052
Bending segment 25 × 2.0 mm	0.180 kg	23009

Accessories	Weight	No.
Bending segment 26 × 2.0 mm	0.200 kg	23053
Bending segment 32 × 2.0 mm	0.380 kg	23051
Basic tool 32 w/o support brackets	1.280 kg	23076
Support brackets (No. 23076)	0.790 kg	23080
Support segment MLP (No. 23076)	0.200 kg	23083

#### **PRO BENDER**

For Bending of pipes out of copper, stainless steel and carbon steel in the sizes Ø 10 and 16 mm (3/8–3/4")

Suitable for bending copper, stainless steel and carbon steel pipes with Ø 10 and 16 mm (3/8-3/4'')

#### **Application Benefits**

- Bending of pipes out of copper, stainless steel and carbon steel possible
- · Long lasting due to forged cast iron body
- · Comfortable working due to long levers and rubber handles
- Clamping surface for working with a vice



Model	Weight	PU	No.
PRO BENDER 10 mm (3/8")	2.200 kg	1	1000001431
PRO BENDER 1/2"	2.100 kg	1	767050016
PRO BENDER 16 mm (5/8")	4.000 kg	1	1000000445
PRO BENDER 3/4"	3.900 kg	1	767750016

#### **MULTIBEND**

For accurate bending up to 180° of pipes made of soft copper, aluminium and precision steel Ø 10–18 mm (1/4–5/8")

#### **Application Benefits**

- Bending radius display of 0–180° for accurate bending
- Clamp mechanism for better pipe hold allows the bending of shorter pipe pieces
- Light construction allows for fatigue-free hand operation



Model	Weight	PU	No.
MULTIBEND 180°, 10 mm	0.370 kg	1	25401
MULTIBEND 180°, 12 mm	0.640 kg	1	25402
MULTIBEND 180°, 14 mm	0.980 kg	1	25403
MULTIBEND 180°, 15 mm	1.450 kg	1	25404
MULTIBEND 180°, 16 mm (5/8″)	1.460 kg	1	25405
MULTIBEND 180°, 18 mm	2.000 kg	1	25406

#### Standard bending plier 90°

For accurate bending up to 90° for pipes made of semi-hard copper according to DIN EN 1057,  $\emptyset$  12 × 1.0–22 × 1.0 mm

- Universal bender for sanitary and heating installations refrigeration and air-conditioning systems
- Long handles allow for better leverage in the bending of semihard copper pipes
- Bending pliers with sliding carriage for millimetre-exact bending
- Accurate adjustments between the bending radius and handle length reduces effort required



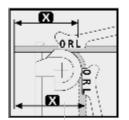
#### **MINIBEND**

For accurate two handed bending up to 180° of pipes made of soft copper, brass, aluminium and precision steel Ø 6–10 mm (1/4–3/8")

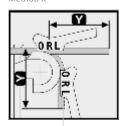
#### **Application Benefits**

 Suitable for use in refrigeration and air-conditioning, oil supply, automotive, hydraulic and pneumatic industries





#### Method R





Minimum size chard and bending	
radius display on measurement sca	le

Model	Weight	PU	No.
MINIBEND 1/4-5/16-3/8"	0.420 kg	1	25151
MINIBEND 6-8-10 mm	0.420 kg	1	25150

#### Standard bender 180°

For accurate bending up to 180° of pipes made of soft copper, aluminium and precision steel Ø 6–18 mm (1/4–5/8″)

Manual bending device for bending pipes with  $\emptyset$  6–18 mm (1/4–5/8″)

#### **Application Benefits**

- Bending angle measurement of 0–180° for accurate bending
- Clamp mechanism for better pipe hold allows the bending of shorter pipe pieces
- Light construction allows for fatigue-free hand operation

Accurate bending	
Minimum size chard and bending radius display on measurement scale	

Model	Weight	PU	No.
6 mm	0.550 kg	1	25130
8 mm (5/16")	0.640 kg	1	25131
10 mm	0.970 kg	1	25132
12 mm	0.980 kg	1	25133
14 mm	1.580 kg	1	25134
15 mm	1.830 kg	1	25135
16 mm (5/8")	1.830 kg	1	25136
18 mm	2.110 kg	1	25137
1/4″	0.560 kg	1	25140
1/2″	1.680 kg	1	25142

#### Accessories





Description	Page	No.
Internal / external deburrer	37	1500000236
Bending spray, 150 ml	79	25120

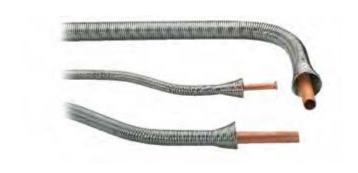
#### Copper external bending springs

For free-handed bending of soft copper pipes Ø 8–16 mm (1/4–5/8")

#### **Application Benefits**

- Coiled cone for ideal handling even with longer pipes
- Tough and long lasting with the cadmium-plated spring steel
- Optimal spring form prevents buckling in bending radius area

Weight	PU	No.
0.070 kg	1	25181
0.080 kg	1	25182
0.160 kg	1	25183
0.220 kg	1	25185
0.230 kg	1	25186
	0.070 kg 0.080 kg 0.160 kg 0.220 kg	0.070 kg 1 0.080 kg 1 0.160 kg 1 0.220 kg 1



Model	Weight	PU	No.
5/16″	0.070 kg	1	25181
1/2″	0.130 kg	1	25190
5/8″	0.220 kg	1	25186

#### **MLP internal bending springs**

For hand bending of aluminium multi-layer pipes (MLP) Ø 6–20 mm

For hand bending soft copper pipe

#### **Application Benefits**

- Ideal operation even with longer pipes: Grip ring for retraction out of the pipe
- · Entry taper for clean insertion in the pipe
- Sturdy and long lasting: NIROSTA spring steel
- Pipe will not buckle due to optimal spring form

C		
(		
	Grip ring	Entry taper
	for insertion into and retraction out of the pipe	for clean insertion in the pipe

Outer Pipe Diameter	Weight	PU	No.
12 mm	0.090 kg	1	25441
14 mm	0.120 kg	1	25442
16 mm	0.150 kg	1	25443

Outer Pipe Diameter	Weight	PU	No.
20 mm	0.220 kg	1	25445
25/26 mm	0.380 kg	1	25446

#### **Bending spray**

#### For bending copper and steel pipes

Bending spray for easier bending of pipes made of copper, carbon steel and stainless steel

- Combination of slide and bending oil
- Because of the special viscosity even copper and steel pipes are able to be bent easily

Model	Weight	PU	No.
Bending spray 150 ml	0.150 kg	1	25120



#### **ROBEND H+W PLUS bender**

For accurate cold bending up to 180°, Ø 8–22 mm (5/16–7/8″)

For accurate bending up to 180° on pipes made of:

Copper (soft, semi-hard, hard thin-walled): Ø 8–22 mm (5/16–7/8″)

Copper (coated, also thin-walled):

Ø 10-18 mm (3/8-5/8")

Aluminium and brass:

Ø 8-22 mm (5/16-7/8")

Precision steel (also coated):

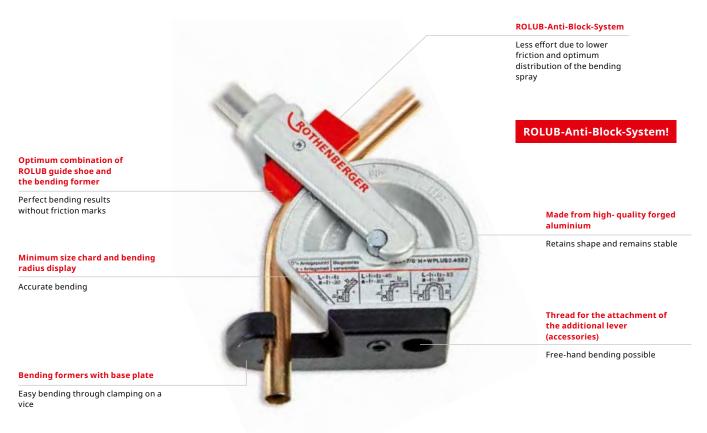
Ø 10-22 mm (3/8-5/8")

Seamless stainless steel:

Ø 8-22 mm (5/16-7/8")



- Exact bending to the mm on continuous pipe
- Retains shape and remains stable
- Two-handed bending possible with the additional handle up to  $\emptyset$  18 mm (5/8")
- Eliminates the costs of purchase and storage of bending formers
- · Easy bending through clamping on a vice
- Exact bending with the minimum size chart and bending radius display



Model	Weight	PU	No.
ROBEND H+W PLUS with handle bar, 8 mm 5/16″, R 22 mm	0.660 kg	1	24508
ROBEND H+W PLUS with handle bar, 10 mm, R 32 mm	1.180 kg	1	24510
ROBEND H+W PLUS with handle bar, 12 mm, R 38 mm	1.110 kg	1	24512
ROBEND H+W PLUS with handle bar, 14 mm, R 45 mm	1.370 kg	1	24514
ROBEND H+W PLUS with handle bar, 15 mm, R 45 mm	1.375 kg	1	24515
ROBEND H+W PLUS with handle bar, 16 mm 5/8", R 64 mm	2.620 kg	1	24516
ROBEND H+W PLUS with handle bar, 18 mm, R 64 mm	2.620 kg	1	24518
ROBEND H+W PLUS with handle bar, 22 mm 7/8", R 81 mm	3.800 kg	1	24522
ROBEND H+W PLUS with handle bar, 3/4", R 81 mm	3.850 kg	1	24519
ROBEND H+W PLUS with handle bar, 1/2"	1.110 kg	1	24552

#### **ROBEND H+W PLUS bending sets**

#### For accurate cold bending up to 180°, Ø 8-22 mm (5/16-7/8")

For accurate bending up to 180° on pipes made of: **Copper (soft, semi-hard, hard thin-walled):** Ø 8–22 mm (5/16–7/8″)

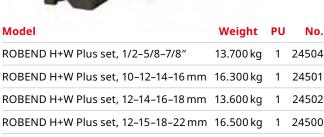
Copper (coated, also thin-walled): Ø 10–18 mm (3/8–5/8") Aluminium and brass: Ø 8–22 mm (5/16–7/8") Precision steel (also coated): Ø 10–22 mm (3/8–5/8") Seamless stainless steel: Ø 8–22 mm (5/16–7/8")

#### **Application Benefits**

- · Accurate bending on continuous pipe
- Form and pressure stable
- Free-hand bending with additional lever up to Ø 18 mm (5/8")
   Eliminates costs of bending fittings, procurement and warehousing
- · Simple bending by clamping in the vice
- Precision bending with minimum size chart and bending angle display directly on the toolFor accurate cold bending up to 180°, Ø 8–22 mm (5/16–7/8")



ROBEND H+W Plus set, 15-18-22 mm



#### **ROLUB Anti-Block special gliding shoe**

Especially adapted to the ROBEND H+W PLUS bender the ROLUB guide shoe with two-point lubricating chamber system

For copper pipe DIN EN 1057/12735-1/13348, aluminum/precision steel pipe DIN 2391/93/94, stainless steel pipe and others

#### **Application Benefits**

- Original spare part from ROTHENBERGER
- ROLUB technology for a wrinkle-free bending results

Elastic honeycomb construction	
Up to 42% less effort due to less friction	== /
	75
ROLUB special guide Shoe made	Two-point lubricating
of high-quality polyamide	chamber system
Perfect bending results without	Ensures optimum

Perfect bending results without friction marks

Ensures optimum distribution of lubrication

14.900 kg

1

24505

Model	Weight	PU	No.
8 mm (5/16")	0.020 kg	1	25308
10 mm (3/8")	0.020 kg	1	25310
12 mm	0.030 kg	1	25312
14 mm	0.030 kg	1	25314
15 mm	0.030 kg	1	25315

Model	Weight	PU	No.
16 mm (5/8")	0.050 kg	1	25316
18 mm	0.050 kg	1	25318
22 mm (7/8")	0.090 kg	1	25322
1/2″	0.030 kg	1	25313
3/4″	0.090 kg	1	25319







Accessories	No.
Handle bar for ROBEND H+W Plus, 8mm (3/8″)	25075
Handle bar ROBEND H+W Plus, 10–15 mm	25076
Robend H+W Handle (18–22 mm)	25078
Bending spray 150 ml	25120
ROCASE 6414 red without clip for user manual	1300003542

#### **ROBULL type E**

#### For precise, manual hydraulic cold bending up to 90°

Broadly applicable, universal portable hydraulic bending system for plumbing, sanitary and heating installation on construction sites, for apparatus and boiler construction and for industrial use. Also suitable for aligning tubes.

#### **ROBULL type E:**

For accurate bending up to 90° on pipes made of:

Carbon steel suitable for welding and thread-cutting: Ø 3/8–2″





- · Precise bending with the angle scale on the support brackets
- · Reduces welded joints
- · No pre-warming of pipe is required
- No bending forms needed
- Works quicker with the 150 kN piston strength
- Easy and simple operation
- Closed, low-maintenance hydraulic system with a monoblock design and with quick, automatic piston retraction
- Comfortable working position with the tripod stand (opt.)
- With foldable and adjustable bending frame



Model	Weight	PU	No.
ROBULL type E without accessories	16.800 kg	1	057950X
ROBULL type E with adjustable bending frame and accessories, 3/8–2″	59.800 kg	1	057966X
ROBULL type E with foldable bending frame and accessories, 3/8–2″	72.600 kg	1	057961X

#### **ROBULL type E**





ROBULL type E with foldable bending frame

#### Bending segment for ROBULL type E Small bending radius (red)

For bending steel pipes according to DIN EN 10255



Model	Weight	PU	No.
3/8″, wall thickness 2.35 mm, R 45 mm	0.700 kg	1	57985
1/2″, wall thickness 2.65 mm, R 49 mm	0.700 kg	1	57986
3/4″, wall thickness 2.65 mm, R 65 mm	0.800 kg	1	57987
1″, wall thickness 3.25 mm, R 89 mm	1.300 kg	1	57988
1.1/4", wall thickness 3.25 mm, R 115 mm	1.600 kg	1	57989
1.1/2", wall thickness 3.25 mm, R 137 mm	2.400 kg	1	57990
2″, wall thickness 3.65 mm, R 200 mm	3.200 kg	1	57991

### Bending segment for ROBULL type E

#### Large bending radius (black)

For bending steel pipes according to DIN EN 10255



Model	Weight	PU	No.
3/8″, wall thickness 2.35 mm, R 56 mm	0.800 kg	1	58010
1/2″, wall thickness 2.35 mm, R 85 mm	0.900 kg	1	58011
3/4″, wall thickness 2.65 mm, R 115 mm	1.200 kg	1	58012
1″, wall thickness 2.65 mm, R 145 mm	2.100 kg	1	58013
1.1/4″, wall thickness 3.25 mm, R 214 mm	3.500 kg	1	58014
1.1/2", wall thickness 3.25 mm, R 214 mm	4.300 kg	1	58015
2″, wall thickness 3.65 mm, R 245 mm	5.600 kg	1	58016















Accessories	No.
Bending frame for all ROBULL, open, 2″	57981
Side shape, w. grade division, open, ROBULL E/ME	775004000
Side shape, w/o grade classific., open, ROBULL E/ME	57983
Side shape, w. degree div., foldable ROBULL E/ME	775504100

Accessories	No.
Locking pin	57979
Hydraulic oil, 1 l	58185
Tripartine for ROBULL type E / ME, collapsible	58182
Steel case	996277400

#### **ROBULL type ME**

#### For precise, power hydraulic cold bending up to 90°

Various uses, mobile hydraulic bending machine for use on the building site in gas, sanitary and heating installations.

#### **ROBULL type ME:**

For accurate bending up to 90° on pipes made of:

Carbon steel suitable for welding and thread-cutting:  $\emptyset \, 3/8 \text{-} 2''$ 







- Precise bending with the angle scale on the support segments
- Reduces welding joints
- Pre-warming of the pipe no longer necessary
- · No bending forms are necessary
- Effective use with the 150 kN piston strength
- Easy and simple operation
- Closed, low-maintenance hydraulic system with a monoblock design and with quick, automatic piston retraction
- Comfortable working position with the tripod stand (optional)
- · With foldable and adjustable bending frame



Model	Weight	PU	No.
ROBULL type ME with foldable bending frame and accessories, 3/8–2″	72.600 kg	1	057972X
ROBULL type ME with adjustable bending frame and accessories, 3/8–2″	59.800 kg	1	057973X
ROBULL type ME without accessories	17.800 kg	1	057969X

#### **ROBULL type ME**





#### Bending segment for ROBULL type E Small bending radius (red)

For bending steel pipes according to DIN EN 10255



Model	Weight	PU	No.
3/8″, wall thickness 2.35 mm, R 45 mm	0.700 kg	1	57985
1/2″, wall thickness 2.65 mm, R 49 mm	0.700 kg	1	57986
3/4″, wall thickness 2.65 mm, R 65 mm	0.800 kg	1	57987
1″, wall thickness 3.25 mm, R 89 mm	1.300 kg	1	57988
1.1/4″, wall thickness 3.25 mm, R 115 mm	1.600 kg	1	57989
1.1/2", wall thickness 3.25 mm, R 137 mm	2.400 kg	1	57990
2″, wall thickness 3.65 mm, R 200 mm	3.200 kg	1	57991

#### Bending segment for ROBULL type E Large bending radius (black)

For bending steel pipes according to DIN EN 10255



Model	Weight	PU	No.
3/8″, wall thickness 2.35 mm, R 56 mm	0.800 kg	1	58010
1/2", wall thickness 2.35 mm, R 85 mm	0.900 kg	1	58011
3/4″, wall thickness 2.65 mm, R 115 mm	1.200 kg	1	58012
1″, wall thickness 2.65 mm, R 145 mm	2.100 kg	1	58013
1.1/4", wall thickness 3.25 mm, R 214 mm	3.500 kg	1	58014
1.1/2″, wall thickness 3.25 mm, R 214 mm	4.300 kg	1	58015
2″, wall thickness 3.65 mm, R 245 mm	5.600 kg	1	58016















Accessories	No.
Bending frame for all ROBULL, open, 2″	57981
Side shape, w. grade division, open, ROBULL E/ME	775004000
Side shape, w/o grade classific., open, ROBULL E/ME	57983
Side shape, w. degree div., foldable ROBULL E/ME	775504100

Accessories	No.
Locking pin	57979
Hydraulic oil, 1 l	58185
Tripartine for ROBULL type E / ME, collapsible	58182
Steel case	996277400

#### **ROBEND 4000 E**

### Electrical bending machine for bending pipes with Ø 12–35 mm (1/2–1.3/8")

Universal application in sanitary and heating installations, in pipeline construction, refrigeration and air-conditioning systems as well as industrial systems and batch production. Fewer joints means less potential for leaks. Safety implies less likelihood of injury.

Suitable for pipes made of:

Copper (hard, semi-hard and soft DIN EN 1057, 12735-1, 13348):  $\emptyset$  12–35 mm, (1/2–1.3/8")

Copper and precision steel (coated):

Ø 12-28 mm, (1/2-1.1/8")

Precision steel (soft DIN 2391/2393/2394):

Ø 12-28 mm, (1/2-1.1/8")

Threaded steel (DIN 2440/2441):

Ø 1/2", 3/4"

Seamless stainless steel (GW 541):

Ø 12-28 mm, (1/2-1.1/8")

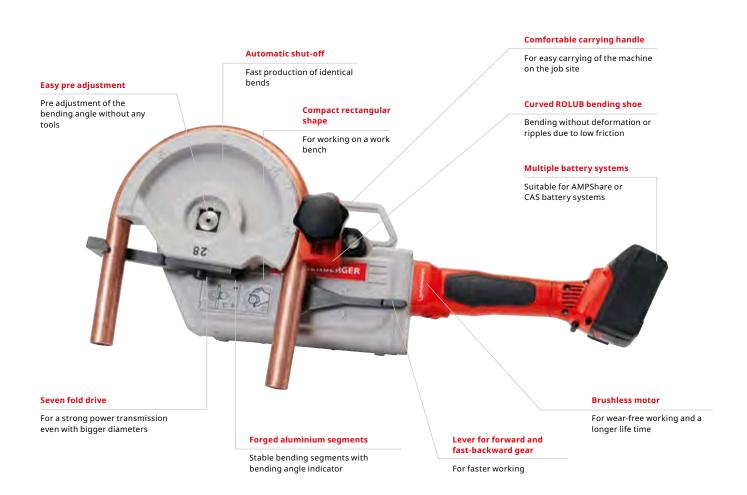




#### **Application Benefits**

- Quick return on investment through the savings from joints, soldering material and energy
- Universal application: U-bends, counter-bends, swan-neck bends and connecting bends possible at all levels
- Retains shape and remains stable: bending formers made of high-quality forged aluminium
- · Top-quality, precise and simple to use
- Bending without deformation or ripples due to less friction

Available in the manufacturer-independent battery systems AMPShare – Powered by Bosch or CAS – CORDLESS ALLIANCE SYSTEM



#### **ROBEND 4000 E**

Model	Weight	PU	AMPShare-No.	CAS-No.
ROBEND 4000 E set 1 × 4 Ah battery, 1/2–5/8–3/4–7/8–1.1/8″	29.450 kg	1	1000004193	1000003394
ROBEND 4000 E set 1 × 4 Ah battery, 12–14–16–18–22–28 mm	30.150 kg	1	1000004192	1000003393
ROBEND 4000 E bare tool without battery and charger	17.450 kg	1	1000004190	1000003391
ROBEND 4000 E set 1 × 4 Ah battery, 15–18–22–28 mm	29.150 kg	1	1000004191	1000003392



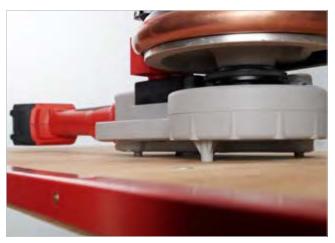
Forged aluminium segments with bending angle scale  $\,$ 



Working with a Tripod



Comfortable carry handle



Compact, rectangular shape

#### **ROBEND 4000**

Portable, sturdy and powerful. The successor of the proven ROBEND 3000, now with a higher bending capacity. Cold bending up to 180°, Ø 12–35 mm (1/2–1.3/8")

Universal application in sanitary and heating installations, in pipeline construction, refrigeration and air-conditioning systems as well as industrial systems and batch production. Fewer joints means less potential for leaks. Safety implies less likelihood of injury.

Suitable for pipes made of:

**Copper (hard, semi-hard and soft DIN EN 1057, 12735-1, 13348):** Ø 12–35 mm, 1/2–1.3/8")

Copper and precision steel (coated):

Ø 12-28 mm, (1/2-1.1/8")

Precision steel (soft DIN 2391/2393/2394):

Ø 12-28 mm, (1/2-1.1/8")

Threaded steel (DIN 2440/2441):

Ø 1/2", 3/4"

Seamless stainless steel (GW 541):

Ø 12-28 mm, (1/2-1.1/8")

#### **Application Benefits**

- Quick return on investment through the savings from joints, soldering material and energy
- Universal application: U-bends, counter-bends, swan-neck bends and connecting bends possible at all levels
- Retains shape and remains stable: bending formers made of high-quality forged aluminium
- Top-quality, precise and simple to use
- Bending without deformation or ripples due to less friction

**ROTHENBERGER** 

Motor rating: 1,010 W



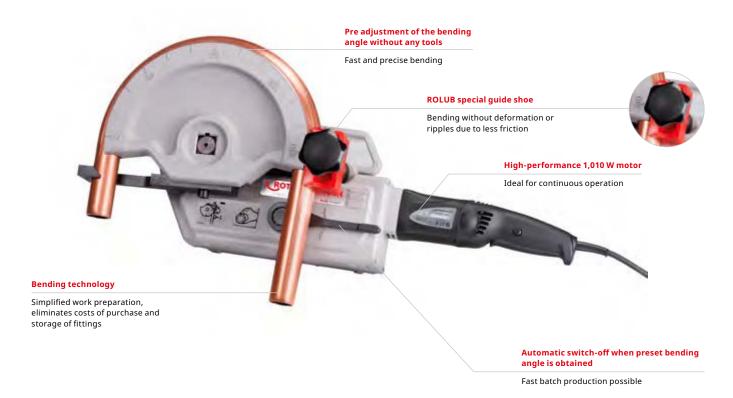




#### **Technical Data**

Voltage	230 V
Working area diameter	1/2-1.3/8″
Working area diameter	12-35 mm
Output power	1,010 W
Power cable length	300 cm





#### **ROBEND 4000**

14.500 kg 21.900 kg	1	1000001559
21.900 kg	1	1000001551
		1000001551
24.100 kg	1	1000001552
23.500 kg	1	1000001549
24.120 kg	1	1000001554
24.120 kg	1	1000001550
29.000 kg	1	1000001738
32.000 kg	1	1000001567
21.100 kg	1	1000001545
19.600 kg	1	1000001553
29.000 kg	1	1000001565
22.000 kg	1	1000001566
	23.500 kg 24.120 kg 24.120 kg 29.000 kg 32.000 kg 21.100 kg 19.600 kg	23.500 kg 1 24.120 kg 1 24.120 kg 1 29.000 kg 1 32.000 kg 1 21.100 kg 1 19.600 kg 1 29.000 kg 1



Bending of pipes made of various materials possible



Comfortable carry handle



Seven-fold drive



ROBEND 4000 with tripod stand

#### ROBEND 4000 / 4000 E bending sets

For bending pipes Ø 12-35 mm (1/2-1.3/8")

#### For steel pipe DIN 2440 and DIN 2441 (except 3/4")



<u> </u>	5
For conner nine DIN FN 1057 12735-1 precision of	steel pipe DIN 2391/93/94, stainless steel pipe and others
Tol copper pipe bill bill 1037, 12733-1, precision s	steer pipe bill 259 1/95/94, stailliess steer pipe and others

Model	Weight	PU	No.
Bending set for ROBEND 4000 / 4000 E 12 mm	0.480 kg	1	25612
Bending set for ROBEND 4000 / 4000 E 14 mm	0.480 kg	1	25614
Bending set for ROBEND 4000 / 4000 E 15 mm	0.530 kg	1	25615
Bending set for ROBEND 4000 / 4000 E 16 mm	0.600 kg	1	25616
Bending set for ROBEND 4000 / 4000 E 18 mm	1.170 kg	1	25618
Bending set for ROBEND 4000 / 4000 E 20 mm	1.420 kg	1	25620
Bending set for ROBEND 4000 / 4000 E 22 mm	1.420 kg	1	25622
Bending set for ROBEND 4000 / 4000 E 28 mm	2.900 kg	1	25628
Bending set for ROBEND 4000 / 4000 E 32 mm	3.400 kg	1	1000001561
Bending set for ROBEND 4000 / 4000 E 35 mm	3.600 kg	1	1000001563

#### For imperial copper pipe DIN EN 1057, 12735-1, precision steel pipe DIN 2391/93/94, stainless steel pipe and others

Model	Weight	PU	No.
Bending set for ROBEND 4000 / 4000 E 1/2"	0.530 kg	1	25652
Bending set for ROBEND 4000 / 4000 E 3/4"	1.420 kg	1	25619
Bending set for ROBEND 4000 / 4000 E 5/8"	0.600 kg	1	762955300
Bending set for ROBEND 4000 / 4000 E 7/8"	1.420 kg	1	762955700
Bending set for ROBEND 4000 / 4000 E 1"	2.900 kg	1	25625
Bending set for ROBEND 4000 / 4000 E 1.1/8"	2.900 kg	1	25626
Bending set for ROBEND 4000 / 4000 E 1.1/4"	3.400 kg	1	1000001561
Bending set for ROBEND 4000 / 4000 E 1.3/8″1	3.600 kg	1	1000001563

<sup>1)</sup> Bending former sets (No. 1000001561 / No. 1000001563) are only compatible with ROBEND 4000 / ROBEND 4000 E. Only matching with optional plastic carrying case (No. 1000001564).

# Push bending bending mark

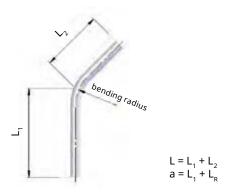
#### **Symbols**

 $L_1 L_2 = Leg length$ a = Lay out length

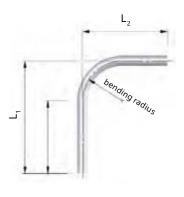
L = Total length of the pipe piece L<sub>w</sub> = Distance/pipe end—wall A<sub>w</sub> = Distance/pipe middle—wall

L<sub>M</sub> = Minimum length<sup>2</sup> L<sub>B</sub> = Reserve length<sup>2</sup>

#### 45°-arc



#### 90°-arc



$$L = L_1 + L_2 - L_M$$
$$a = L_1 - L_R$$

Fig. ROBEND 4000/4000 E bending

set with ROLUB special guide shoe

#### **Calculation examples TUBE BENDER MAXI**

#### **Specifications:**

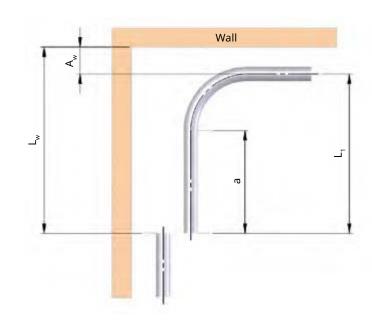
Installation in corner areas  $L_w$  = 1,200 mm  $A_w$  = 30 mm Pipe-Ø 12 mm, 90°-arc

#### Sought after:

Leg length L<sub>1</sub> Applied size a

#### **Solution:**

Summary from the TUBE BENDER MAXI bending table



Leg length  $L_1 = L_w - A_w = 1,200 - 30 = 1,170 \text{ mm}$ 

Applied size  $a = L_1 - L_R = 1,170 - 7.5 = 1,162.5 \text{ mm}; L_R ... \text{ Tabular value}$ 

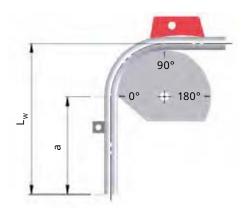
TUBE	TUBE BENDER		45°	at	at 90° at 180°		180°
for Ø mm/inch	Bending radius R (mm)	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm
4.75/5"	20.0	4.5	1.0	4.5	10.0	_	_
6	23.5	5.0	1.2	5.0	11.5	_	<del>_</del>
8	28.0	7.0	1.4	7.0	14.0	_	_
9	30.0	7.0	1.5	7.0	15.0	_	_
10	34.0	7.5	1.8	7.5	17.5	_	_
12	37.5	8.5	1.9	8.5	19.0	_	_
3/16″	20.0	4.5	1.0	4.5	10.0	_	_
1/4″	23.5	5.0	1.2	5.0	11.5	_	_
5/16″	28.0	7.0	1.4	7.0	14.0	_	_
3/8″	34.0	7.5	1.8	7.5	17.5	_	_
1/2″	37.5	8.5	1.9	8.5	19.0	_	_

TUBE BEN	NDER MAXI	at 45°		at 90°		at 180°
for Ø mm/inch	Bending radius R (mm)	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm
12	35.0	0.8	10.0	7.5	35.5	_
14	42.5	0.9	12.5	9.0	42.5	_
15	48.5	1.1	14.0	10.5	48.5	_
16	49.0	1.1	14.5	10.5	49.0	_
18	74.0	1.7	22.0	16.0	74.0	_
22	87.0	1.9	22.5	18.5	87.0	_
3/8″	35.0	0.8	10.0	7.5	35.0	_
1/2″	35.0	0.8	10.0	7.5	35.0	_
5/8″	49.0	1.1	14.5	10.5	49.0	_
3/4″	74.0	1.7	22.0	16.0	74.0	_
7/8″	87.0	1.9	25.5	18.5	87.0	_

TUBE BENI	DER MAXI CT	at	45°	at 90°		at 180°
Tube Ø Ws mm	Bending radius R (mm)	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm
10×0.6	42.5	0.8	12.5	9.0	42.5	<del></del>
12×0.6	49.0	1.1	14.5	10.5	49.0	<del></del>
15 × 0.7	74.0	1.7	22.0	16.0	74.0	<del>_</del>
18×0.7	87.0	1.9	25.5	18.5	87.0	<del>-</del>

3

#### **Pull bending**



#### Symbols

 $L_1 L_2 = Leg length$ a = Lay out length

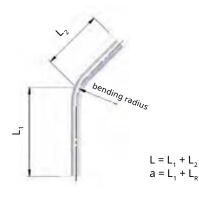
L = Total length of the pipe piece L<sub>w</sub> = Distance/pipe end—wall A<sub>w</sub> = Distance/pipe middle—wall

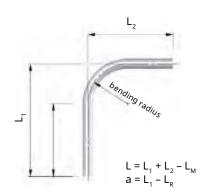
 $L_{M}^{"}$  = Minimum length<sup>1</sup>  $L_{R}^{"}$  = Reserve length<sup>1</sup>

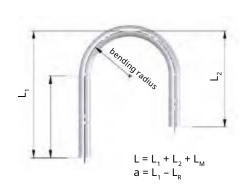
45°-arc

90°-arc

180°-arc







# Calculation examples ROBEND 4000 / ROBEND 4000 E

#### **Specifications:**

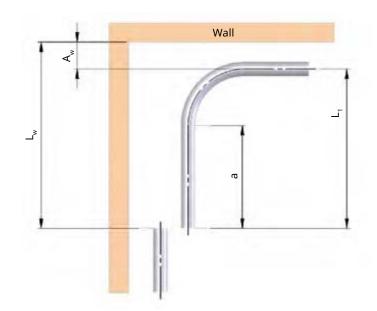
Installation in corner areas L<sub>w</sub> = 1,200 mm A<sub>w</sub> = 30 mm Pipe-Ø 12 mm, 90°-arc

#### Sought after:

Leg length L<sub>1</sub> Applied size a

#### Solution:

Summary from the ROBEND 4000 / ROBEND 4000 E



Leg length

 $L_1 = L_W - A_W = 1,200 - 30 = 1,170 \,\text{mm}$ 

**Applied size** 

 $a = L_1 - L_R = 1,170 - 42 = 1,128 \text{ mm}; L_R ... Tabular value}$ 

ROBEND	H+W PLUS	at 45°		at 90°		at 1	180°
for Ws mm/inch	Bending radius R (mm)	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm
8	22	9	_	22	9.5	22	47
10	32	12	_	32	15.0	32	34
12	38	15	_	40	20.0	38	39
14	45	17	_	44	22.0	44	51
15	45	17	_	44	22.0	44	51
16	64	25	_	67	30.0	68	65
18	64	25	_	67	30.0	68	65
20	81	30	_	85	40.0	86	83
22	81	30	_	85	40.0	86	83
5/16"	22	9	_	22	9.5	22	47
3/8″	32	12	_	32	20.0	32	34
1/2″	38	15	_	40	22.0	38	39
5/8″	64	25	_	67	30.0	68	65
3/4"	81	30	_	85	40.0	86	83
7/8″	81	30	_	85	40.0	86	83

MINIBEND		at 45°		at 90°		at 180°	
for Ws mm/inch	Bending radius R (mm)	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm
6	25.0	10.4	1.0	22.0	10.0	22.0	26.0
8	24.0	9.9	1.0	32.0	15.0	32.0	34.0
10	23.0	9.5	1.0	32.0	15.0	32.0	34.0
1/4″	25.0	10.4	1.0	22.0	10.0	22.0	26.0
5/16"	24.0	9.9	1.0	32.0	15.0	32.0	34.0
3/8″	23.0	9.5	1.0	32.0	15.0	32.0	34.0

Standard	Standard bender 180°		45°	at 90°		at 180°	
for Ø mm/inch	Bending radius R (mm)	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm
6	18.0	7.0	0.8	18.5	8.0	18.5	20.0
10	30.0	11.5	1.3	30.5	14.5	30.5	34.0
12	36.0	14.0	1.5	36.5	15.0	36.5	37.5
14	47.5	18.5	2.0	48.5	20.5	48.5	52.5
15	54.0	21.0	2.3	56.0	24.5	56.0	58.0
16	58.0	22.5	2.5	64.0	28.5	64.0	67.0
18	66.0	25.5	2.8	68.0	31.0	68.0	72.0
1/4″	18.0	7.0	0.8	18.5	8.0	18.5	20.0
5/6″	24.0	9.5	1.0	24.0	12.0	24.0	27.0
1/2″	42.0	16.5	1.8	49.5	22.5	49.5	53.0
5/8″	58.0	22.5	2.5	64.0	28.5	64.0	67.0

MUL	MULTIBEND		at 45°		at 90°		180°
for Ø mm/inch	Bending radius R (mm)	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm
8	24.0	9.5	1.0	24.0	10.0	24.0	26.0
10	30.0	12.0	1.3	30.5	14.5	30.5	32.5
12	36.0	14.0	1.5	36.5	15.5	36.5	37.5
14	42.0	16.5	1.8	42.0	19.5	42.5	44.0
15	48.0	19.0	2.0	48.0	22.0	48.0	53.0
16	48.0	19.0	2.0	48.0	22.0	48.0	53.0
18	54.0	21.0	2.3	54.0	26.0	54.5	58.0

ROBI	ROBEND 4000 / 4000 E		at	45°	at 90° at 1		180°	
for Ø mm/inch	Pipe	Bending radius R (mm)	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm	Reserve lenght L <sub>R</sub> mm	Minimum lenght L <sub>M</sub> mm
12		42.0	16	_	42	24	42	68
14	wated	52.5	21	_	53	30	53	87
15		52.5	21	_	53	30	53	87
17	wated	72.0	28	_	72	41	72	107
18		72.0	28	_	72	41	72	107
20	wated	88.5	35	_	89	51	89	121
22		88.0	35	_	88	50	88	119
24	wated	112.0	43	_	110	62	110	144
28		112.0	44	_	112	64	112	148
30	wated	112.0	45	_	114	66	114	152
32/1.1/4"		128.0	52	_	140	70	135	140
35 / 1.3/8"		140.0	55	_	150	80	145	150
3/8″	steel	12.0	31	_	80	46	80	103
1/2″	copper	45.0	18	_	45	26	45	74
1/2″	steel	88.0	35	_	88	50	88	119
5/8″	copper	56.0	23	_	56	32	56	93
3/4"	steel	112.0	43	_	112	64	112	148
3/4"	copper	80.0	31	_	80	46	80	103
7/8″	copper	88.0	35	_	88	50	88	119
1″	copper	112.0	44	_	112	64	112	148
1.1/8″	copper	112.0	45	_	114	66	114	152





# Expander ROLOCK expander power torque Expander A0 Step expander A1 H 600

Page	98	102	104	105
Stairliess steel	soft	soft		soft, semi-hard
Working range Stainless steel	Wall thickness 1 mm	Wall thickness 1.5 mm	$\circ$	Wall thickness 3 mm
Working range	Ø 8-22 mm (5/16-7/8")	Ø 22-54 mm (1-2.1/8")		Ø 8-110 mm (5/16-4.1/4")
T TECISION SLEET	soft	soft		soft, semi-hard
Precision steel	Wall thickness 1.6 mm	Wall thickness 1.5 mm	$\circ$	Wall thickness 3 mm
Working range	Ø 8-28 mm (5/16-1.1/8")	Ø 22-54 mm (1-2.1/8")		Ø 8-110 mm (5/16-4.1/4")
Aluminium	soft	soft, semi-hard	soft	soft, semi-hard
Working range	Wall thickness 1.6 mm	Wall thickness 2.5 mm	Wall thickness 2.5 mm	Wall thickness 3 mm
	Ø 8-28 mm (5/16-1.1/8")	Ø 22-67 mm (1-2.1/2")	Ø 35-108 mm (1.3/8-4.1/8"	) Ø 8–110 mm (5/16–4.1/4″)
Copper	soft, semi-hard	soft, semi-hard	soft	soft, semi-hard
Working range	Wall thickness 1.6 mm	Wall thickness 2.5 mm	Wall thickness 2.5 mm	ر Wall thickness 3 mm
	Ø 8-42 mm (5/16-1.3/4")	Ø 22–67 mm (1–2.1/2")	Ø 35–108 mm (1.3/8–4.1/8"	) Ø 8-110 mm (5/16-4 1/4″)
Operation mode	Manual	Manual	Manual	Hydraulic

# Expander heads Expander head Expander head Flanged riveted expander head



**Expander head** 

**ROLOCK** 









Page	100	101	103	103
Working range Stainless steel	Ø 8–22mm (5/16–7/8″) Wall thickness 1 mm soft	Ø 8–22mm (5/16–7/8″) Wall thickness 1 mm soft	Ø 22–54 mm (1–2.1/8″) Wall thickness 1.5 mm soft	0
Working range Precision steel	Ø 8–28 mm (5/16–1.1/8″) Wall thickness 1.6 mm soft	Ø 8–28 mm (5/16–1.1/8″) Wall thickness 1.6 mm soft	Ø 22–54 mm (1–2.1/8″) Wall thickness 1.5 mm soft	0
Working range Aluminium	Ø 8–28 mm (5/16–1.1/8″) Wall thickness 1.6 mm soft	Ø 8–28 mm (5/16–1.1/8″) Wall thickness 1.6 mm soft	Ø 22–67 mm (1–2.1/2″) Wall thickness 2.5 mm soft	0
Working range Copper	Ø 8-42 mm (5/16-1.3/4″) Wall thickness 1.6 mm soft, semi-hard	Ø 8–42 mm (5/16–1.3/4″) Wall thickness 1.6 mm soft, semi-hard	Ø 22–67 mm (1–2.1/2″) Wall thickness 2.5 mm soft, semi-hard	Ø 15–38 mm Wall thickness 1.5 mm soft, semi-hard

#### Step expander head



Working range Copper	Ø 35–108 mm (1.3/8–4.1/8″) Wall thickness 2.5 mm soft			
Working range Aluminium	Ø 35–108 mm (1.3/8–4.1/8″) Wall thickness 2.5 mm soft			
Working range Precision steel	0			
Working range Stainless steel	0			
Page	104			

#### **ROLOCK** expander power torque

For expanding, reducing and calibrating soft and semihard pipes Ø 8-42 mm (5/16-1.3/4") as well as producing

For efficient, fitting-free installation of pipes in sanitary heating, gas, refrigeration and air-conditioning systems

Suitable for pipes made of:

#### Copper (soft and semi-hard):

Ø 8-42 mm, 5/16-1.3/4", max. wall thickness 1.6 mm Aluminium (soft):

Ø 8-28 mm, 5/16-1.1/8", max. wall thickness 1.6 mm Precision steel (soft):

Ø 8-28 mm, 5/16-1.1/8", max. wall thickness 1.6 mm Stainless steel (soft):

Ø 8-22 mm, 5/16-7/8", max. wall thickness 1.0 mm









#### **EPT-Technology (Enclosed Power Transmission)**

of the expander head offers the following technical benefits:

#### Concealed bent lever:

Protection against dirt and external mechanical damage

Energy efficient through optimised force transmission: Ergonomic, highly optimised force flow in relation to the hand force of the user, therefore reducing effort

#### **Application Benefits**

- Eliminates the cost of purchase and storage of fittings
- Converts deformed pipes into fittings, saves resources
- 50 % reduction of labour, soldering materials, joints and
- Reliable pipe connection according to DVGW standards



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according to DVGW standards

#### TiN Coating (Titannitrid-coating)

of the expander head offers the following technical benefits:

High durability 2,300 HV: Protection against abrasive wear Lower friction value compared to steel: Less effort **Good chemical resistance:** Good protection against corrosion Universal wear resistance: Long-lasting

Model	Weight	PU	No.
ROLOCK Expander Power Torque 8–42 mm (5/16–1.3/4")	1.000 kg	1	12400

#### **ROLOCK** expander power torque sets



For efficient, fitting-free installation of pipes



Model	Weight	PU	No.
10-12-14-16-18-22 mm	3.600 kg	1	12511
10-12-16-22-28 mm	3.280 kg	1	12505
10-12-15-16-18-22-28 mm	3.570 kg	1	12537
12-14-16-18-22 mm	3.300 kg	1	12509
12-15-18-22 mm	2.930 kg	1	12500
12-15-18-22-28 mm	3.385 kg	1	12503
12-16-18-22-28 mm	3.240 kg	1	12522
12-14-16-18-22-28-32 mm	3.700 kg	1	12538

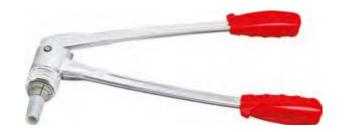
Model	Weight	PU	No.
12-15-18-22-28-35-42 mm	4.200 kg	1	12526
3/8-1/2-5/8-3/4-1″	3.325 kg	1	12517
3/8-1/2-5/8-3/4-7/8-1.1/8"	3.600 kg	1	12518
3/8-1/2-5/8-3/4-7/8-1-1.1/8"	3.700 kg	1	12536
3/8-1/2-5/8-3/4-7/8-1.1/8-1.3/8"	4.500 kg	1	12541
1/2-5/8-3/4-7/8″	2.900 kg	1	12521
1/2-3/4-1"	2.900 kg	1	12535
1/2-5/8-7/8-1.1/8″	3.000 kg	1	12524

#### **ROCAM PE-X expander power torque**

For expanding and calibrating PE-X and aluminium multi-layered composite pipe (MLP) up to Ø 42 mm or 1.3/4" as well as producing tapers

Expander heads coordinates with the following systems: ROTEX, SCHELL, TECE/TECEflex, Vulkan-Lokring among others

- Can be used for common systems from SCHELL, TECE, REHAU etc.
- Comfortable working due to long lever arms
- Sturdy construction for a long service life



Model	Weight	PU	No.
ROCAM Expander head PE-X	0.990 kg	1	12005















Accessories	Page
Expander heads for ROLOCK expander power torque	100
Expander heads type S/riveted expander heads	103
Pipe cutter	14
Internal / external deburrer	37

Accessories	Page
Expander adaptor type S	103
Brazing solder	199
High-performance torch (SUPER FIRE 4 with MAPP <sup>1</sup> gas)	172

#### **Expander head ROLOCK**

For producing standard precision flares Ø8-42 mm (5/16-1.3/4") according to DVGW standards as well as the specifications for the Gas de France

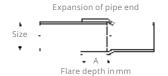
For expanding copper, stainless steel and aluminum pipes in sanitary/heating and refrigeration/air-conditioning technology

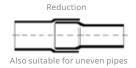
#### **Application Benefits**

- $\bullet$  50 % reduction in labour, soldering materials and soldered joints
- Depth of the flare is consistent with DVGW standards
- Compulsory guidance guarantees a perfect centred position and uniform capillary gap
- Robust and long lasting with the hardened segments

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#### **Specially hardened segments**

Robust and long lasting



#### Step at the end of the segments

Enables recalibration of irregular pipes and fittings



#### **Extra long segments**

Depth of the flare is consistent with DVGW standards

#### 6 rivets and guide channels

Compulsory guidance guarantees a perfect centred position and uniform capillary gap

Ø	max. wall thickness mm		A-size				
mm	Cu	Αl	Fe	INOX	mm	Weight	No.
8	1.0	1.0	1.0	1.0	6.0	0.120 kg	12408
10	1.0	1.0	1.0	1.0	10.0	0.120 kg	12410
12	1.2	1.2	1.2	1.0	12.6	0.120 kg	12412
14	1.2	1.2	1.2	1.0	12.6	0.120 kg	12414
15	1.2	1.2	1.2	1.0	15.5	0.120 kg	12415
16	1.2	1.2	1.2	1.0	15.5	0.120 kg	12416
18	1.2	1.2	1.2	1.0	17.5	0.120 kg	12418
20	1.2	1.2	1.2	1.0	17.5	0.140 kg	12420
22	1.2	1.5	1.5	1.0	20.5	0.140 kg	12422
28	1.5	1.5	1.5		18.5	0.390 kg	12428
32	1.5				19.5	0.410 kg	12432
35	1.6				19.5	0.430 kg	12435
38	1.6				19.5	0.450 kg	12438
40	1.5				19.5	0.470 kg	12440
42	1.5				19.5	0.470 kg	12442

No.	Weight	A-size mm	ss mm INOX	ickne: Fe	wall th Al	max. Cu	Ø Inch
12408	0.120 kg	6.0	1.0	1.0	1.0	1.0	5/16″
12452	0.120 kg	7.4	1.0	1.0	1.0	1.0	3/8″
12453	0.120 kg	11.0	1.0	1.2	1.2	1.2	1/2″
12454	0.120 kg	14.0	1.0	1.2	1.2	1.2	5/8″
12455	0.120 kg	18.1	1.0	1.2	1.2	1.2	3/4″
12456	0.140 kg	18.0	1.0	1.2	1.2	1.2	7/8″
12457	0.150 kg	15.8		1.5	1.5	1.5	1″
12458	0.390 kg	17.0		1.6	1.6	1.6	1.1/8″
12459	0.410 kg	17.0				1.6	1.1/4″
12435	0.430 kg	17.0				1.6	1.3/8″
12438	0.450 kg	17.0				1.6	1.1/2″
12462	0.470 kg	17.5				1.6	1.5/8″
12463	0.500 kg	17.5				1.6	1.3/4″

Availability, delivery time and price of custom products for other pipe diameters available upon request.

100

#### **Expander head standard**

For producing standard precision flares Ø8–42 mm (5/16-1.3/4'') according to DVGW standards as well as the specifications for the Gas de France

For expanding copper, stainless steel and aluminum pipes in sanitary/heating and refrigeration/air-conditioning technology

#### **Application Benefits**

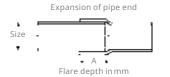
- 50 % reduction in labour, soldering materials and soldered joints
- Depth of the flare is consistent with DVGW standards
- Compulsory guidance guarantees a perfect centred position and uniform capillary gap
- Robust and long lasting with the hardened segments

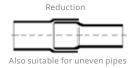
Compulsory guidance guarantees a perfect

centred position and uniform capillary gap

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Depth of the flare is consistent with DVGW standards

## 

Ø		wall th			A-size	Wainht	No
mm	Cu	Al	Fe	INOX	mm	Weight	No.
8	1.0	1.0	1.0	1.0	6.0	0.120 kg	11008
10	1.0	1.0	1.0	1.0	10.0	0.120 kg	11010
12	1.2	1.2	1.2	1.0	12.6	0.120 kg	11012
14	1.2	1.2	1.2	1.0	12.6	0.120 kg	11014
15	1.2	1.2	1.2	1.0	15.5	0.120 kg	11015
16	1.2	1.2	1.2	1.0	15.5	0.120 kg	11016
18	1.2	1.2	1.2	1.0	17.5	0.120 kg	11018
20	1.2	1.2	1.2	1.0	17.5	0.140 kg	11020
22	1.2	1.5	1.5	1.0	20.5	0.140 kg	11022
28	1.5	1.5	1.5		18.5	0.390 kg	11028
32	1.5				19.5	0.410 kg	11032
35	1.6				19.5	0.430 kg	11035
38	1.6				19.5	0.450 kg	11038
40	1.5				19.5	0.470 kg	11040
42	1.5				19.5	0.470 kg	11042

		ı A-size			max. wall thickness mm		Ø
No	Weight	mm	INOX	Fe	Al	Cu	Inch
11008	0.120 kg	6.0	1.0	1.0	1.0	1.0	5/16″
11052	0.120 kg	7.4	1.0	1.0	1.0	1.0	3/8″
11053	0.120 kg	11.0	1.0	1.2	1.2	1.2	1/2″
11054	0.120 kg	14.0	1.0	1.2	1.2	1.2	5/8″
11055	0.120 kg	18.1	1.0	1.2	1.2	1.2	3/4″
11056	0.140 kg	18.0	1.0	1.2	1.2	1.2	7/8″
11057	0.150 kg	15.8		1.5	1.5	1.5	1″
11058	0.390 kg	17.0		1.6	1.6	1.6	1.1/8″
11059	0.410 kg	17.0				1.6	1.1/4″
11035	0.430 kg	17.0				1.6	1.3/8″
11038	0.450 kg	17.0				1.6	1.1/2″
11062	0.470 kg	17.5				1.6	1.5/8″
11063	0.500 kg	17.5				1.6	1.3/4″

Availability, delivery time and price of custom products for other pipe diameters available upon request.

#### **Expander A0**

For expanding, reducing and calibrating thick walled pipes Ø 22–67 mm (1–2.1/2") as well as the production of tapers

For efficient, fitting-free installation of pipes in sanitary, heating, gas, refrigeration and air-conditioning systems

Suitable for pipes made of:

Copper and aluminium (soft, semi-hard): Ø 22–67 mm, 1–2.1/2", max. wall thickness 2.5 mm Precision steel (soft) and stainless steel per DVGW-GW541: Ø 22–54 mm, 1–2.1/8", max. wall thickness 1.5 mm

#### **Application Benefits**

- Application and savings advantages similar to ROLOCK expander power torque
- Precise and exact flaring
- Full bearing of the expander head segments allows heavy loads
- Continuous adjustment of the socket size and capillary gap
- Optimized action principle with long handles

#### **Functional elements:**

Expander A0 with a tightly guided and reinforced, long expander head, matches to the expander head type S!





Expander A0 set (No. 11400) includes: expander head type S, special ratchet (No. 27181) Expander A0 basic unit (No. 11004) includes:

square drive mechanism 3/4" with handle, without expander head and ratchet

Model	Weight	PU	No.
Expander A0 bare tool	1.970 kg	1	11004
Expander A0 set 35–42–54–64 mm	8.120 kg	1	11400

#### **Expander head type S**

For the precise expansion of normal and thick walled pipes  $\emptyset$  22–67 mm (1–2.1/2") and 2.5 mm wall thickness

Suitable for expanding copper, stainless steel and aluminium pipes in the plumbing, heating, refrigeration and air conditioning sector.

No.	Weight	A-size mm	ss mm INOX	ickne: Fe	wall th Al	max. Cu	Ø mm
11323	0.350 kg	18.5	1.5	1.5	2.0	2.0	22
11325	0.350 kg	18.5	1.5	1.5	2.0	2.0	25
11328	0.360 kg	19.5	1.5	1.5	2.0	2.0	28
11332	0.380 kg	19.5	1.5	1.5	2.0	2.0	32
11335	0.400 kg	19.5	1.5	1.5	2.0	2.0	35
11336	0.400 kg	19.5	1.5	1.5	2.0	2.0	36
11342	0.450 kg	19.5	1.5	1.5	2.0	2.0	42
11346	0.570 kg	19.5	1.5	1.5	2.5	2.5	54
11348	0.690 kg	19.5			2.5	2.5	64
11380	0.750 ka	19.5			2.5	2.5	67

		Expansion of pipe end	-
⊾ Size	=		
•	٠		Ē
		Flare depth in mm	9

Ø Inch	max. Cu	wall th	ickne Fe	ss mm INOX	A-size mm	Weight	No.
Inch	Cu	Λ'	16	INOX		Weight	140.
1″	2.0	2.0	1.5	1.5	18.5	0.350 kg	11376
1.1/8″	2.0	2.0	1.5	1.5	19.5	0.360 kg	11358
1.1/4″	2.0	2.0	1.5	1.5	19.5	0.380 kg	11332
1.3/8″	2.0	2.0	1.5	1.5	19.5	0.400 kg	11335
1.5/8″	2.0	2.0	1.5	1.5	19.5	0.450 kg	11362
2″	2.0	2.0	1.5	1.5	17.0	0.540 kg	11364
2.1/8"	2.5	2.5	1.5	1.5	17.0	0.570 kg	11346
2.1/2"	2.5	2.5			17.0	0.690 kg	11348

#### **Expander adaptor type S**

To increase the application area of the ROCAM / ROLOCK expander power torque, ROMAX expander compact standard and expander pistol H1

To extend the application range of the ROCAM, ROLOCK and H1 Expander.

Allows the use of the expander heads type S with copper pipe (soft) up to 67 mm and/or 2.1/2"!





Model	Weight	PU	No.
Adaptor type S without expander heads, 22–67 mm, (1–2.1/2")	0.630 kg	1	11007

#### Flanged riveted expander heads

For use with the ROCAM / ROLOCK expander power torque, ROMAX expander compact standard and expander pistol H1

Perfect for creating precise hose connections inside units with constant vibrations in air-conditioning technology, car manufacturing or industrial applications.





Model	Weight	PU	No.
Flanged riveted expander head 15 mm	0.110 kg	1	11955
Flanged riveted expander head 18 mm	0.110 kg	1	11958
Flanged riveted expander head 22 mm	0.120 kg	1	11962
Flanged riveted expander head 28 mm	0.370 kg	1	11968
Flanged riveted expander head 38 mm	0.430 kg	1	11978

**Expanding manual** 

#### Step expander A1

For expanding, reducing and calibrating thick walled pipes, Ø 35–108 mm (1.3/8– 1.1/8") as well as the production of tapers

For efficient, fitting-free installation of pipes in sanitary, heating, gas, refrigeration and air-conditioning systems

Suitable for pipes made of:

#### Copper and aluminium (soft):

Ø 35-108 mm, 1.3/8-4.1/8", max. wall thickness 2.5 mm

- Affordable alternative when laying larger pipe dimensions with a considerable saving of soldering materials
- Expand without changing tools with the 6 size step expander
- Full bearing of the expander head segments allows heavy loads
- Optimum adjustment of the socket size and capillary gap with the positive fine adjustment
- Optimised force transmission with the trapezoidal screw thread with self-lubricating bronze socket
- Compulsory guidance guarantees a perfect centred position and uniform capillary gap with 6 rivets and guiding ridge



Model	Weight	PU	No.
Step expander A4 35-42-54-67-80-104 mm	3.900 kg	1	11089
Step expander A3 35-42-54-64-76-108 mm	3.900 kg	1	11087
Step expander A2 42–54–64–76.1–88.9–108 mm	4.200 kg	1	11086
Step expander A5 1.1/4–4"	3.800 kg	1	11093
Step expander A1 1.3/8–1.5/8–2.1/8–2.5/8–3.1/8–4.1/8″	4.200 kg	1	11078

#### Hydraulic expander system H 600

For expanding, reducing and calibrating normal and thick walled pipes in batch production as well as the production of tapers

Suitable for normal and thick-walled tubes made of **Copper and aluminum:** 

 $\emptyset$  8–110 mm, 5/16–4.1/4", max. wall thickness 3.0 mm **Precision and stainless steel:** 

Ø 8–110 mm, 5/16–4.1/4", max. wall thickness 3.0 mm

#### **Application Benefits**

- Individual modular design
- Industrial quality expansions
- Proper and efficient handling of material





#### **Technical Data**

Working area pressure	80-600 bar
Voltage	400 V
Working area	Ø 5/16-4.1/4" (8-110 mm)
Power plug type	Plug type F (CEE 7/4)
Rated current	2.1 A
Rated recording power	1.2 kW



Set (No. 13100) includes: Electro-hydraulic expander system H 600 complete with hydraulic unit H 600 (No. 13002), expander pistol H1 (No. 12001), control cable, hydraulic hose 2.5 m with circuit points, adjusting tool, tool rack (No. 13023), safety foot pedal and hydraulic oil 1 l (No. 58185), without expander heads

Set (No. 13002) includes: Electro-hydraulic unit H 600 with safety foot pedal, adjusting tool, tool rack (No. 13023) and hydraulic oil 11 (No. 58185), without expander heads

Model	Weight	PU	No.
Hydraulic unit H 600	33.100 kg	1	13002
Hydraulic unit H 601 without expander heads	36.000 kg	1	13100
Safety foot pedal with 3 m cable	0.520 kg	1	12013

#### **Electro-hydraulic expander pistol H1**

Electro-hydraulic expander gun for expanding pipes with Ø 8–67 mm (5/16–2.1/2")

#### Expander heads standard:

Ø 8–42 mm, 5/16–1.3/4", max. wall thickness 1.6 mm

Expander heads type S:

Ø 22-67 mm, 1-2.1/2", max. wall thickness 2.5 mm

#### **Application Benefits**

- Compatible with H 600 hydraulics
- · Ideal for series production
- · Robust construction for long service life



Adaptor (No. 12097)





ModelWeightPUNo.Electro-hydraulic expander pistol H12.900 kg112001

#### **Expander adaptor type S**

To increase the application area of the ROCAM / ROLOCK expander power torque, ROMAX expander compact standard and expander pistol H1

To extend the application range of the ROCAM, ROLOCK and H1 Expander.

#### **Application Benefits**

• Extends the application range of the ROCAM, ROLOCK and H1 expander up to Ø 67 mm (2.1/2") in combination with the type S expander heads

#### **Technical Data**

Flange nut	Ø 67 mm (2.1/2")				
Model	Weight	PU	No.		
Adaptor type S without expand heads, 22–67 mm (1–2.1/2")	er 0.630 kg	1	11007		
Adaptor type S for H2, 70–110 n	nm 1.100 kg	1	12097		

Allows the use of the expander heads type S with copper pipe (soft) up to Ø 67 mm and/or 2.1/2"!



Expander adaptor (No. 11007) for ROCAM expander power torque or expander pistol H1



Expander adaptor (No. 12097) for expander pistol H2

#### **Expander head compatibility**

	Expander head ROLOCK	Expander head standard	Expander head type S	Riveted expander head	Expander head PE-X	Expander head H 2, type 2/3	Step expander head
ROLOCK expander power torque	•	•		•	0	0	0
ROCAM expander power torque	0	•		•	No. 12005	0	0
Expander A0	0	0	•	0	0	0	0
Expander A1	0	0	0	0	0	0	•
Expander pistol H1	0	•		•	0	0	0
Expander pistol H2	0	0	1	0	0	•	0

<sup>•</sup> Expander head can be used without adaptor  $\odot$  Expander head can not be used Fig.: Can be used with the appropriate adaptor (pictured)

Suitable for pipes made of:

Copper, aluminium and steel (soft):

Ø 12-28 mm, 1/2-1.1/8"

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#### **Application Benefits**

- Increases safety by reducing the number of connections
- Suitable for making branches even in confined spaces through the compact design
- Toolless fine adjustment of the capillary gap
- Reduces effort required and increases work space
- Up to 67% reduction of soldering materials and soldered joints
- Accurate drilling
- Saves resources by converting scrap pipes into fittings
- Reliable pipe connections to DVGW standards

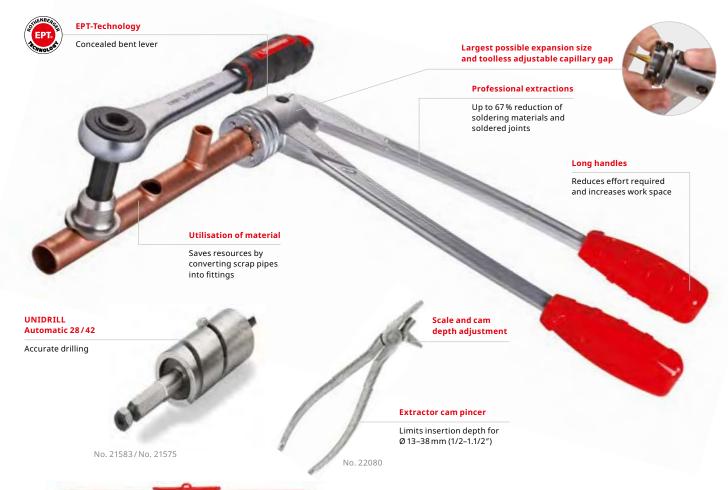




Fig. similiar

Sets include: ROLOCK expander power torque (No. 12400), ROLOCK expander heads, tee-extractor, special ratchet (No. 27180), adaptor (No. 1500002894), UNIDRILL Automatic 28 (No. 21583), extractor cam pincer (No. 22080), carrying case

Model	Weight	PU	No.
1/2-3/4-1″	2.500 kg	1	12605
1/2-5/8-7/8-1.1/8″	2.800 kg	1	12604
12-14-16-18 mm	2.600 kg	1	12602
12-15-18-22 mm	4.400 kg	1	12601

#### **Extractor set**

For efficient production of T-branches (extractions) for fitting-free pipe installations, Ø 10-42 mm (3/8-2.1/8")

Suitable for pipes made of:

#### Copper (soft, semi-hard, hard):

Ø 10–42 mm, 3/8–2.1/8″, max. wall thickness 2.5 mm

#### **Aluminium:**

Ø 10–42 mm, 3/8–2.1/8″, max. wall thickness 2.5 mm **Precision steel:** 

Ø 10-42 mm, 3/8-2.1/8", max. wall thickness 2.5 mm

# ROTHENSIERSER

#### **Application Benefits**

- Eliminates the cost for T-pcs., purchase and storage of fittings
- Extractions even on installed pipes possible
- Accurate drilling
- Optimal positioning with the cam pincher depth adjustment





Fig. similar

**Sets include:** tee-extractor according to chart, special ratchet (No. 27180), adaptor (No. 1500002894), cam pincer (No. 22080) and special conical drill, UNIDRILL Automatic 42 (No. 21575), carrying case

Model	Weight	PU	No.
1/2-3/4-1″	3.300 kg	1	22135
1/2-5/8-3/4-7/8″	3.480 kg	1	22121
1/2-5/8-7/8-1.1/8″	3.700 kg	1	22124
10-12-14-16-18-22 mm	3.780 kg	1	22111
12-14-16-18-22 mm	3.600 kg	1	22109
12-15-18-22 mm	3.400 kg	1	22100
12-15-18-22-28 mm	3.900 kg	1	22103
12-15-18-22-28-35-42 mm	5.500 kg	1	22126
15-22-28 mm	3.600 kg	1	22127

#### **Extractor**

Suitable for producing extractions on copper pipes with Ø 10-54 mm (3/8-2.1/8")

#### **Application Benefits**

- Uniform and material friendly extractions without scratches
- Burr-free operation due to specially polished extractor hooks
- Easy insertion into the drilled hole with the special hook desian
- Secure support and positioning for precise 90° branches

Model	Weight	PU	No.
Extractor 10 mm	0.130 kg	1	22010
Extractor 12 mm	0.150 kg	1	22012
Extractor 14 mm	0.160 kg	1	22014
Extractor 15 mm	0.160 kg	1	22015
Extractor 16 mm (5/8")	0.220 kg	1	22016
Extractor 18 mm	0.220 kg	1	22018
Extractor 22 mm	0.350 kg	1	22022
Extractor 28 mm	0.470 kg	1	22028
Extractor 35 mm (1.3/8")	0.700 kg	1	22035
Extractor 38 mm (1.1/2")	0.700 kg	1	22038
Extractor 42 mm	0.890 kg	1	22042

Accurate and firm positioning



Burr-free operation

Special hook design

Easy insertion into the drilled hole

Ratchet adaptor (No. F80053 and F80054) with No. 22050 / 22054 included in scope of delivery (square, 3/4")



Model	Weight	PU	No.
Extractor 54 mm (2.1/8")	1.380 kg	1	22054
Extractor 3/8″	0.110 kg	1	22060
Extractor 1/2"	0.140 kg	1	22061
Extractor 3/4"	0.220 kg	1	22062
Extractor 7/8″	0.350 kg	1	22063
Extractor 1"	0.470 kg	1	22064
Extractor 1.1/8"	0.480 kg	1	22065
Extractor 1.1/4"	0.700 kg	1	22066
Extractor 1.5/8"	0.900 kg	1	22068
Extractor 2"	1.380 kg	1	22050

#### **Spare extractor hook**

Precise drilling of the pipe without a

centre punch—drill stop prevents

perforation of the pipe

Hooks, specially polished, tempered from Ø 10-54 mm (3/8-2.1/8")

Weight	PU	No.
0.090 kg	1	22214
0.320 kg	1	22242
0.560 kg	1	22254
0.140 kg	1	22263
0.060 kg	1	22260
0.200 kg	1	22264
	0.090 kg 0.320 kg 0.560 kg 0.140 kg 0.060 kg	0.090 kg 1 0.320 kg 1 0.560 kg 1 0.140 kg 1 0.060 kg 1

Insert extractor hook into the drilled hole and screw the bell firmly against



Using the ratchet, turn the extractor to the left, while paying attention that the V-block is seated securely

Spare extractor hook 1"

Spare extractor hook 1.1/8"

Spare extractor hook 1.1/4"

Spare extractor hook 1.5/8"

Spare extractor hook 2"

Model



After extraction, set correct insertion depth (dependant on pipe Ø) with cam

Weight

0.210 kg

0.220 kg

0.270 kg

0.320 kg

0.520 kg

1

1

1

1

1

No.

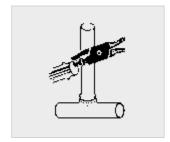
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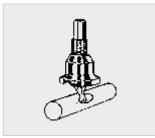
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22246



Simply calibrate the tee Ø on the UNIDRILL Automatic and the drilled hole Ø will automatically correspond to the extractor hook required.







Double V-block



#### **Extractor ratchet**

In combination with the neckers for an even and materialfriendly necking of pipes and suitable for right- and left-handers.

#### **Application Benefits**

- Made of chrome vanadium steel
- Fine toothed, reversible right/left



Model	Weight	PU	No.
Extractor ratchet 10–42 mm (3/8–1.3/4")	0.435 kg	1	27180
Extractor ratchet 50–54 mm, (2–2.1/8″)	1.140 kg	1	27181

### **Extractor cam pincer**

For marking and limiting the insertion depth on the tube for  $\emptyset$  13–38 mm (1/2–1.1/2")

#### **Application Benefits**

 Marking point ensures exact insertion depth and prevents poking through

Cam depth adjustment wheel with scale



Model	Weight	PU	No.
Extractor cam pincer 13–38 mm (1/2–1.1/2")	0.150 kg	1	22080

**Accessories extracting manual** 

#### **UNIDRILL Automatic 28/42**

#### **HSS special conical drill**

#### **Application Benefits**

- Fast, burr-free drilling
- Precise location without need for centre punch special drill tip
- $\bullet$  Calibrated drill Ø automatically corresponds to the correct extractor hook and branch size
- Drill stop prevents damage to pipe walls





Model	Weight	PU	No.
UNIDRILL Automatic 28, 10–28 mm (3/8–1.1/8″)	0.110 kg	1	21583
UNIDRILL Automatic 42, 10–42 mm (3/8–1.5/8")	0.430 kg	1	21575

#### **Precision double flaring press DB 10**

For standard precision expands according to DIN 74234 Ø 4.75–10 mm, wall thickness 0.7–1.0 mm

On copper, aluminium and steel pipes, seamless pipes and double-walled pipes, for example Bundy pipe and KUNIFER brake pipes.

#### **Application Benefits**

- Ideal for endless pipes
- For several flaring profiles, wall thickness 0.7–1.0 mm
- Universal use with the pluggable pressure cone
- Accurate and reproducible results
- Clamping block for several pipe diameters
- · Reliable hold with the 25 mm pipe clamping length
- Suitable for clamping in a vice

# Formation of the various flares made possible with the appropriate flaring attachments

#### E- contour, simple flare

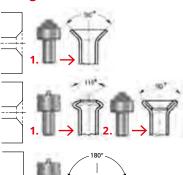
· Standard flaring contour

## D-contour, double flareExtension of brake and/or

- hydraulic lines
   Connection by means of
- Connection by means of coupling rings, sealed by means of flaring surface

#### 180° flares

- Mounting using coupling ring, for example hydraulic transmission valve and/or distributor block
- Seal between drill-hole and flaring surface





Applicable for endless pipes





Model	Weight	PU	No.
DB 10 4,75-5-6-8-9-10 mm	2.640 kg	1	26013
Flanging inserts 4.75–5 mm	0.200 kg	1	26001
Flanging inserts 6 mm	0.200 kg	1	26002
Flanging inserts 8 mm	0.200 kg	1	26003
Flanging inserts 9 mm	0.200 kg	1	26004
Flanging inserts 10 mm	0.200 kg	1	26005



Model	Weight	PU	No.
Cone pressure piece	0.020 kg	1	26010
Clamping block 4.75–5–6–8–9–10 mm, 2 pcs.	0.190 kg	1	26011
Flaring spindle	0.300 kg	1	26016
Clamping spindle	0.090 kg	1	26015
Distance bolt	0.030 kg	1	26017

#### **ROFLARE REVOLVER**

#### **Revolver reeling flaring tool**

For the reliable and fast production of standard single  $45^{\circ}$ flares in accordance with EN 14276-2 and JIS B8607:2008 on copper soft pipes Ø 6-18 mm and 1/4-3/4"

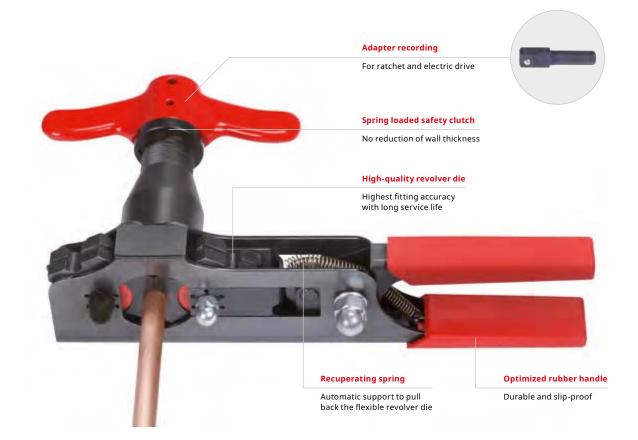
#### **Application Benefits**

- Guaranteed norm flares
- Produces leak free joints
- One-handed quick clamping system
- Automatic depth stop: perfect positioning of the pipe to the flaring cone





single flare



Set (No. 1000000230) includes: ROFLARE REVOLVER metric incl. ratchet adaptor, dies Ø 6, 8, 10, 12, 16 and 18 mm, pipe cutter ROTRAC 28 PLUS chrome limited edition (No. 1000000046), ROCASE 4212 (No. 1300003334)

**Set (No. 1000000231) includes:** ROFLARE REVOLVER imperial incl. ratchet adaptor, dies Ø 1/4 , 5/16, 3/8, 1/2, 5/8 and 3/4", pipe cutter ROTRAC 28 PLUS chrome limited edition (No. 1000000046), ROCASE 4212 (No. 1300003334)

Model	Weight	PU	No.
Metric, 6-8-10-12-16-18 mm	1.300 kg	1	1000000222
Imperial, 1/4–5/16–3/8–1/2–5/8–3/4″	1.710 kg	1	1000000223
Set metric with ROTRAC 28 PLUS chrome, limited edition	1.300 kg	1	1000000230
Set imperial with ROTRAC 28 PLUS chrome, limited edition	1.900 kg	1	1000000231

Compact design enables use in confined spaces



Automatic depth stop: perfect positioning of the pipe to the flare



#### **Reeling flaring tool**

# For producing precise 45° single flares on copper pipes Ø 6–18 mm (1/8–3/4")

#### **Application Benefits**

- Controlled expanding and shaping of the pipe without tearing
- · No reduction in wall thickness
- No slipping of the pipe
- · Sturdy and long lasting







E-contour single flare



Fig. similar	
--------------	--

Model	Weight	PU	No.
Dies metric, 6–8–10–12–14–15–16–18 mm	0.400 kg	1	222413
Dies imperial, 1/8-3/16-1/4-5/16-3/8-1/2-5/8-3/4″	0.400 kg	1	222412

Reeling flaring tool set includes: reeling flaring tool in plastic case with mould in metric and/or imperial format

Model	Weight	PU	No.
Set metric, 6-8-10-12-14-15-16-18 mm	2.080 kg	1	222403
Set imperial, 1/8–3/16–1/4–5/16–3/8–1/2–5/8–3/4"	2.030 kg	1	222402
Set metric and imperial, 6-8-10-12-14-15-16-18 mm 1/8-3/16-1/4-5/16-3/8-1/2-5/8-3/4″	2.650 kg	1	222401

#### **Universal flaring tool**

For producing precise 45° single flares on copper pipes  $\emptyset$  4–16 mm (3/16–5/8")

#### **Application Benefits**

- Universal application and highest flare precision through selfcentring pipe clamp for all diameters
- Controlled flaring without tearing, forming perfect surfaces
- · Hardened flare cone with special geometry







**Universal flaring tool set (No. 222601) includes:** universal flaring tool for pipe diameters 4–16 mm, 3/16–5/8″, in plastic case

Model	Weight	PU	No.
Universal flaring tool 4–16 mm (3/16–5/8″)	0.900 kg	1	222601

### Flaring and bending set

Universal application in industry and small trade by sanitary and heating installations, refrigeration and air-conditioning technology, auto and hydraulic technology

#### **Application Benefits**

- All in one case-flaring and bending tool always at the ready
- All sizes from 4.75 mm to 10 mm can be treated
- Additional accessories such as an internal and external deburrer are included in the case





Flaring and bending set (No. 26020) includes: MINICUT I, Ø 3–16 mm (No. 70401), internal and external deburrer, Ø 4–36 mm (No. 11006), double flare press DB 10 (No. 26013), TUBE BENDER set, Ø 4.75–10 mm (No. 24112)

Model	Weight	PU	No.
Flaring and bending set 4,75–5–6–8–9–10 mm	5.500 kg	1	26020
Flange device and 735 CR	1.780 kg	1	490050016



#### ROTORQUE AIRCON/REFRIGERATION

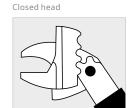
#### Step-less torque wrench

Self-locking rack and pinion drive enables quick and reliable fastening of flare nuts sizes 15–32 mm in accordance with EN 378-2:2012-08

#### **Application Benefits**

- Always fits, covers all flare nut sizes from 15–32 mm
- Won't slip thanks to the self-locking rack and pinion drive and ratchet function
- Simple and reliable: required torque in accordance with EN 378-2:2012-08 is embossed on the head for every size and can not be rubbed off
- Embossed torque data: easy tightening according to norm
- ROTORQUE REFRIGERATION is suitable for cylinder heads work

Fully opened head





ROTORQUE sets include: torque wrench, head, carrying bag

Model	Weight	PU	No.
ROTORQUE REFRIGERATION	1.500 kg	1	1000000224
ROTORQUE AIRCON	1.400 kg	1	1000000225

#### Connection 9 × 12

Head can be exchanged between ROTORQUE AIRCON and ROTORQUE REFRIGERATION





The torque can be read of

Always tighten according to the standard

# ROTORQUE AIRCON torque wrench

- 10-110 Nm
- ±4% accuracy
- 1 Nm adjustment steps

## ROTORQUE REFRIGERATION torque wrench

- 10-70 Nm
- ±3% accuracy
- 1/2 Nm adjustment steps
- Suitable for cylinder heads' work



Fig. ROTORQUE AIRCON torque wrench



Fig. ROTORQUE REFRIGERATION torque wrench

#### **Torque wrench set**

#### For proper tightening of flange connections

Set with adjustable torque wrench (10-70 Nm) and 6 spanner inserts sizes 17, 22, 24, 26, 27 and 29 mm for flange connections on 1/4", 3/8", 1/2" and 5/8" pipe lines according to DIN EN 378- 2:2012-08

#### **Application Benefits**

- For proper tightening of flare nuts
- Torque adjustable between 10 and 70 Nm
- 6 interchangeable spanner inserts with width 17, 22, 24, 26, 27 and 29 mm
- For flare connections with pipe diameter of 1/4", 3/8", 1/2" and 5/8" according to DIN EN 378-2: 2016
- All components in a carrying case

Fix with torque urgently necessary!







Fig. similiar

Pipe-Ø	Spanner width	Locking torque
1/4″ / 6 mm	17 mm	14-18 mm
3/8″/10 mm	22 mm	33-42 mm
1/2″/12 mm	24 mm	50-62 mm
1/2″/12 mm	26 mm	50-62 mm
5/8″/15/16 mm	27 mm	63–77 mm
5/8″/15/16 mm	29 mm	63-77 mm

**7 pcs. set (No. 175001) includes:** spanner wrench sizes 17, 22, 24, 26, 27, 29 mm, torque wrench, carrying bag

Model	Weight	PU	No.
Torque wrench set 17–22–24–26–27–29 mm	3.500 kg	1	175001





#### **Constant Force Technology**

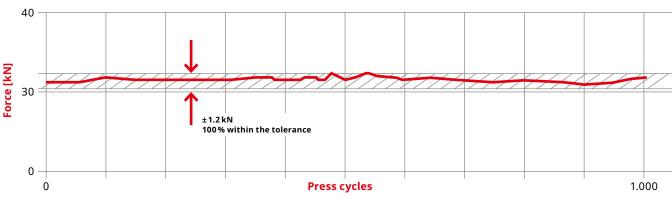
The CFT guarantees a constant axial pressing force over the entire service interval. A very important requirement for the production of sealed press connections.

#### **CFT guarantees:**

- ROMAX Compact III: 19 kN / 40,000 press cycles
- ROMAX Compact TT: 19 kN / 40,000 press cycles
- ROMAX 4000: 32 kN / 40,000 press cycles
- ROMAX 3000 AC: 32 kN / 20,000 press cycles
- ROMAX AC ECO: 32 kN / 10,000 press cycles

#### **Constant force due to CFT**

Measurement under load—UPONOR NW 75





Users are free to decide which fitting systems they want to press. They are also free to choose the manufacturer of the press machines and press tools. There is no legal provision, DIN standard or other provision—for example, a regulation established by means of a DVGW worksheet—which obligates the tradesmen to exclusively use the press tools or press jaws of just one fitting or piping system manufacturer.

The only decisive factor is whether the fitting system and pressing tool are suitable for one another – only in this case is the tightness guaranteed. The Pressnavigator app provides guidance by enabling users to find the suitable press tool for the fitting system, or the suitable fitting system for the press tool.



#### **Controlled press cycle**

After reaching a predetermined pressing force the press cycle switches off automatically. The piston retracts after the necessary pressing force has been reached. This guarantees uniform and reliable pressings as leading system manufacturers require.

#### **CAS - Cordless Alliance System**

- cross-manufacturer battery alliance
- 100 % compatibility of batteries and chargers with tools and machines of all alliance partners
- 18-volt battery technology from Metabo
- Strong brands for the professional user and high specialization

#### **Electronic control**

The electronics of the ROMAX Compact III, ROMAX Compact TT, ROMAX 4000, ROMAX 3000 AC provide for a safe pressing cycle:

- Control of the battery charge status
- Safety start-inhibitor when the battery is too low
- · LED display of the service interval and any error messages

#### **AMPShare - Powered by Bosch**

- cross-manufacturer battery alliance
- 100 % compatibility of batteries and chargers with tools and machines of all alliance partners
- 18-volt battery technology from Bosch
- High availability and global distribution thanks to 100% compatibility with all Bosch Professional batteries since 2008—more than 80 million rechargeable batteries on the market



#### **DURA LAZR TEC**

#### The unique laser-hardening process

Long-lasting. Safe. Precise. Our DURA LAZR TEC press jaws set is a new industry standard. The unique ROTHENBERGER laser-hardening process, which is implemented in our own production, provides maximum stability and wear resistance. And, therefore, more safety and a longer service life!



## Partial laser-hardening for highly stressed surfaces

#### Ideal accuracy of contour for highest precission during the complete live time

#### • 40 % increase in hardness<sup>1</sup>

#### **Highest degree of hardness**

- ROTHENBERGER press jaws are performing with the highest degree of hardness at high stressed areas
- Even in the case of high burr formation during compression, the wear is reduced to a minimum



+ 40 %
HARDNESS
AT HIGHLY STRESSED
AREAS
+100%

+100%
PRESS CYCLES
WITH LASER
HARDENING

#### **Double lifetime**

Partial Laser Hardening ensures an appropriate Optimization in Usage. Heavily Loaded Areas of the Press Jaw will be specifically hardened. Non-loaded Areas remain ductile for a proper Force Load Compensation.

Adjustment of the plate

Durability increased by approx. 45 %1

Depth distribution of hardness was tested by the independent test laboratory of the State Materials Testing Institute Darmstadt (MPA).





**Page** 

**Press jaws** Press jaws standard Press jaws compact Press jaws standard 3-elemental Working range metal Ø 12-35 mm Ø 12-54 mm Ø 42-54 mm Working range multilayer Ø 12-40 mm Ø 12-40 mm Ø 50-63 mm Snap on  $\bigcirc$ DURA LAZR TEC Long-term corrosion prot. 3-bolt synch. mechanism Precision-manufactured contour Suiteable for all press machines with a 19-21 kN 32-34 kN 32-34 kN constant axial thrust of

## Press rings, press jaws and press chains

Press rings Interchangeable press jaw compact

**Press chains standard** 

137



134



136



Working range metal	Ø 12–35 mm	0	Ø 42–54 mm
Working range multilayer	Ø 14–40 mm	Ø 12–32 mm	0
Snap on	•	0	•
DURA LAZR TEC	•	0	•
Long-term corrosion prot.	•	•	•
3-bolt synch. mechanism	0	•	0
Precision-manufactured contour	•	•	•
Suiteable for all press machines with a constant axial thrust of	19–21 kN 32–34 kN	19-21 kN	32-34 kN
Page	133	135	138

## >B< MaxiProPress jaws and press rings

Press jaws compact >B< MaxiPro

Press jaws standard >B< MaxiPro

Press rings >B< MaxiPro







Working range metal	1/4–1.1/8″	1/4–1.1/8″	1/4-1.1/8′
Working range multilayer	0	0	0
Snap on	0	0	•
DURA LAZR TEC	•	•	•
Long-term corrosion prot.	•	•	•
3-bolt synch. mechanism	•	•	0
Precision-manufactured contour	•	•	•
Compatible with Conex Bänninger® >B< MaxiPro® press system	•	•	•
Suiteable for all press machines with a constant axial thrust of	19–21 kN	32-34 kN	19–21 kN 32–34 kN
Page	132	132	133

		Press machines		
	ROMAX COMPACT III	ROMAX 4000	ROMAX 3000 AC	ROMAX AC ECO
		63		
Constant Force Technology (CFT)	•	•	•	•
Controlled press cycle	•	•	•	0
Piston force / hub	19 kN / 30 mm	32 kN / 40 mm	32 kN / 40 mm	32 kN / 40 mm
Service intervall	40,000 pressings	40,000 pressings	20,000 pressings	10,000 pressings
LED	•	•	•	0
Pressing cycle time	3s	5 s	5 s	7 s
Dimensions	336 × 143 × 76 mm	445 × 125 × 75 mm	460×120×90 mm	415 × 180 × 80 mm
Weight	2.500 kg	3.600 kg	3.800 kg	4.500 kg
Cordless	•	•	0	0
Connectivity	•	0	0	0
Page	124	126	128	129

#### **ROMAX Compact III**

**Smart Electro-Hydraulic Press Tool (battery-operated)** for pressing of fittings up to "Durchmessersymbol" 35 mm (Metal) and / or "Durchmessersymbol" 40 mm (Plastic / Multilayer) with 19 kN

The ROMAX Compact III is 3 seconds fast, 2.5 kg light and 19 kN strong. Through the perfect handling, the machine is particularly suitable for domestic installations, high volume pressings or service installations.

#### **Application Benefits**

- "Connected": Real-Time Data Gathering of Pressing Data and Creation of Job Reports via ROTHENBERGER App
- · Fast: thanks to turbo pressure a pressing takes only 3 seconds
- Strong: presses metal fittings up to Ø 35 mm and multilayer
- · Handy: perfectly balanced—the centre of gravity is where the user holds the tool
- Small and lightweight: with 34 cm in length, the ROMAX Compact TT weighs just 2.5 kg









#### **Technical Data**

Dimension	336×143×76 mm (with 2.0 Ah battery)
Piston force / hub	19 kN / 30 mm
Nominal size	Ø 12–40 mm plastic / multilayer Ø 12–35 mm metal
Service intervall	40,000 pressings / 2 years
Press jaw fixture	270° rotation
Power supply	Battery
Operation temperature	-10°C up to 60°C
Pressings (with SV18 stainless steel)	up to 130 times (with 2.0 Ah battery)



Connected Tool: Gain access to your COMPACT III and read out relevant Tool & Press Data via Smartphone in Real-Time



Optimized Design of ROMAX COMPACT III makes all press jobs possible - even in narrow spaces.



With just 2.5 kg of weight, overhead jobs will be effortless even over an extended period of time.



# Connected with the ROTHENBERGER App via Bluetooth®

The all-new ROMAX COMPACT III is ROTHENBERGER's first smart press machine with Bluetooth connectivity. Via the ROTHENBERGER app, tool and smartphone can be connected, providing the user real-time access to relevant machine and press data. Additionally, the app allows for easy and quick on-site creation of press protocols with smart logic, as well as reading the current maintenance status of the tool.

Compatibility iOS 8.1 or higher, Android 4.0 or higher

Size 73.3 MB





#### **ROMAX COMPACT III sets**

Model	Press jaws Ø	Weight	PU	AMPShare-No.	CAS-No.
ROMAX COMPACT III bare tool		4.530 kg	1	1000004266	1000004265
ROMAX COMPACT III basic set 1, 1 × 2 Ah		5.480 kg	1	1000004267	1000004261
ROMAX COMPACT III basic set 1, 1 × 2 Ah, UK		4.900 kg	1	1000004271	1000004269
ROMAX COMPACT III basic set 1, 2 × 2 Ah		5.965 kg	1	1000004272	1000004263
ROMAX COMPACT III set M, 2 Ah	15-22-28 mm	9.250 kg	1	1000004274	1000004273
ROMAX COMPACT III set M, 2 Ah, UK	15-22-28 mm	9.260 kg	1	1000004333	1000004332
ROMAX COMPACT III set SV, 2 Ah	15-22-28 mm	9.250 kg	1	1000004276	1000004275
ROMAX COMPACT III set SV, 2 Ah, UK	15-22-28 mm	9.250 kg	1	1000004278	1000004277
ROMAX COMPACT III set TH, 2 Ah	16-20-26 mm	9.250 kg	1	1000004280	1000004279
ROMAX COMPACT III set TH, 2 Ah, UK	16-20-26 mm	9.250 kg	1	1000004424	1000004423
ROMAX COMPACT III set U, 2 Ah	16-20-25 mm	9.250 kg	1	1000004283	1000004281
ROMAX COMPACT III set U, 2 Ah, UK	16-20-25 mm	9.250 kg	1	1000004285	1000004284
ROMAX COMPACT III set RFZ, 2 Ah	16-20-25 mm	9.250 kg	1	1000004293	1000004292
ROMAX COMPACT III set >B< MaxiPro, 2 Ah	1/4–1.1/8″	17.500 kg	1	1000004287	1000004286
ROMAX COMPACT III set >B< MaxiPro, 2 Ah, UK	1/4-1.1/8″	17.500 kg	1	1000004289	1000004288

#### **Batteries and charger**











No. 1000001652

Model	Weight	PU	CAS-No.
RO BP18/2, 2.0 Ah 18 V	0.420 kg	1	1000001652
RO BP18/4, 4.0 Ah 18 V	0.575 kg	1	1000001653
RO BP18/4, 4.0 Ah 18 V, Li-HD	0.515 kg	1	1000002548
RO BP18/8, 8.0 Ah 18 V, Li-HD	0.915 kg	1	1000002549
RO BC14/36 charger, 230 V	0.580 kg	1	1000001654

#### Press machines standard

#### **ROMAX 4000**

Electro-hydraulic radial battery-powered press machine for system depending pressing of fittings up to Ø 110 mm with 32–34 kN.

The ROMAX 4000 operates in just 5 seconds, weighs only 3.6 kg and uses a force of 32 kN. It can press from 12 mm to 110 mm depending on the system and is therefore the perfect all-rounder amongst the ROTHENBERGER press machines.

#### **Application Benefits**

- Low weight of 3.6 kg for fatigue-free work even in difficult situations
- Fast working by pressing in under 5 seconds
- Increased output through improved battery technology
- Increased service interval every 40,000 pressings/2 years

Available in the manufacturer-independent battery systems AMPShare – Powered by Bosch or CAS – CORDLESS ALLIANCE SYSTEM







#### **Technical Data**

Dimension	467 × 125 × 80 mm (with 4.0 Ah battery) 445 × 125 × 75 mm (with 2.0 Ah battery)
Piston force / hub	32-34 kN / 40 mm
Nominal size	Ø 12–110 mm
Service intervall	40,000 pressings / 2 years
Press jaw fixture	270° rotation
Power supply	Battery
Operation temperature	-10°C up to 60°C
Pressings (with SV18 copper)	up to 240 times (with 4.0 Ah battery) up to 105 times (with 2.0 Ah battery)





#### **ROMAX 4000 sets**





No. 1000003858



No. 1000001654



No. 1000003859



No. 1000001652



No. 1000003860



No. 1000001653

Ergonomic working with the ROMAX 4000



Productive working due to expanded service interval



Cordless Alliance System: One battery system for more than 140 tools



Model	Press jaws Ø	Weight	PU	AMPShare-No.	CAS-No.
ROMAX 4000 bare tool		5.900 kg	1	1000004166	1000002683
ROMAX 4000 basic set 1 incl. 1 × 4.0 Ah battery		7.000 kg	1	1000004165	1000001840
ROMAX 4000 basic set 2 incl. $1 \times 2.0$ Ah battery and $1 \times 4.0$ A	h battery	8.000 kg	1	1000004167	1000001923
ROMAX 4000 press jaw set SV incl. 1 × 4.0 Ah battery	15-22-28 mm	15.000 kg	1	1000004173	1000001924
ROMAX 4000 press jaw set M incl. 1 × 4.0 Ah battery	15-22-28 mm	15.000 kg	1	1000004174	1000001927
ROMAX 4000 press jaw set M incl. 1 × 4.0 Ah battery, UK	15-22-28 mm	15.000 kg	1		1000001932
ROMAX 4000 press jaw set TH incl. 1 × 4.0 Ah battery	16-20-26 mm	15.000 kg	1	1000004169	1000001925
ROMAX 4000 press jaw set U incl. 1 × 4.0 Ah battery	16-20-25 mm	15.000 kg	1	1000004170	1000001926

## **Batteries and charger**

Model	Weight	PU	AMPShare-No.
RO BP18/2, 2.0 Ah 18 V	0.400 kg	1	1000003859
RO BP18/4, 4.0 Ah 18 V	0.600 kg	1	1000003860
RO BP18/4, 4.0 Ah 18 V, ProCORE	0.520 kg	1	1000003863
RO BP18/8, 8.0 Ah 18 V, ProCORE	0.960 kg	1	1000003864
RO BC18 charger, 230 V	0.550 kg	1	1000003858

Model	Weight	PU	CAS-No.
RO BP18/2, 2.0 Ah 18 V	0.420 kg	1	1000001652
RO BP18/4, 4.0 Ah 18 V	0.575 kg	1	1000001653
RO BP18/4, 4.0 Ah 18 V, Li-HD	0.515 kg	1	1000002548
RO BP18/8, 8.0 Ah 18 V, Li-HD	0.915 kg	1	1000002549
RO BC14/36 charger, 230 V	0.580 kg	1	1000001654





#### **ROMAX 3000 AC**

Electro-hydraulic press machine with mains operation for system dependent pressing of fittings up to Ø 110 mm with 32-34 kN.

The ROMAX 3000 AC is fast, light, easy to handle and safe. It is therefore ideally suited for the batch production of fitting joints in field operation

#### **Application Benefits**

- $\bullet$  Batch production possible due to mains operation (5 m cable length)
- A pressing cycle only lasts approx. 5 seconds
- Constant Force Technology (CFT) guarantees the necessary pressing force
- Extremely low weight as well as a balanced weight distribution
- Expanded operating temperature from -15 °C up to 60 °C
- The compact, wand-like design allows pressings even in confined spaces

#### **Technical Data**

460×120×90 mm
:==
32 kN / 40 mm
Ø 12–110 mm
20,000 pressings / 2 years
270° rotation
230 V / 50–60 Hz 110 V on request
-15°C up to 60°C

#### Safety lock

No unintentional opening because a 180° rotation is necessary





Basic set (No. 1000001001) includes: ROMAX 3000 AC, 230 V, ROCASE 6414 (No. 1000001959), without press jaws

Model	Weight	PU	No.
ROMAX 3000 AC basic set	6.970 kg	1	1000001001

Batch production possible



Slim design



#### **ROMAX AC ECO**

Electro-hydraulic press machine with mains operation for system dependent pressing of fittings up to Ø 110 mm with 32–34 kN.

The ROMAX AC ECO is fast, light, easy to handle and safe. It is therefore ideally suited for the batch production of fitting joints in field operation

#### **Application Benefits**

- Ergonomic thanks to the rubberized handle and balanced weight distribution
- Controlled press cycle
- Constant Force Technology (CFT) guarantees the necessary pressing force
- Safety lock guarantees no unintentional opening because a 180° rotation is necessary
- Emergency stop switch for immediate interruption of the feed
- 5 m cable for a large operations radius

# 230 V







#### **Technical Data**

415 × 180 × 80 mm
32 kN / 40 mm
Ø 12–110 mm
10,000 pressings / 2 years
270° rotation
230 V / 50–60 Hz 110 V on request



Fig. ROMAX AC ECO press jaw set SV

**Basic set (No. 15705) includes:** ROMAX AC ECO, 230 V, ROCASE 6414 (No. 1000001959), without press jaws

Model	Press jaws Ø	Weight	PU	No.
ROMAX AC ECO press jaw set M	15-22-28 mm	13.400 kg	1	15750
ROMAX AC ECO press jaw set TH	16-20-26 mm	13.400 kg	1	15730
ROMAX AC ECO press jaw set SV	15-22-28 mm	13.400 kg	1	15740
ROMAX AC ECO press jaw set U	16-20-25 mm	13.400 kg	1	15760
ROCASE 6414 with inlay for ROMAX AC ECO		2.487 kg	1	1000001959

Conex Bänninger® >B< MaxiPro® press system

#### Press jaw sets >B< MaxiPro

An innovative press system suitable for air-conditioning and refrigeration applications consisting of Conex Bänninger® >B< MaxiPro® fittings, suitable press jaws and press machines from ROTHENBERGER.

#### Tight connections up to 48 bar

- The O-ring is resistant against several oils including ester oil.
- The 3-point press, one on each side of the bead and one press compressing the O-ring, provides a permanent and secure joint.

#### The advantages

- · Only 3 seconds per joint completion
- Saves approx. 3 minutes per connection
- · Flame-free joint, no hot work permit needed
- No need for nitrogen purge

#### Made-to-last through laser hardening

The press jaws are partially laser-hardened. This makes them particularly durable in those places that take the most pressure. Laser hardening increases the jaws' durability considerably.



Press jaw for ROMAX Compact III No. 1000001751



Press jaw for ROMAX 4000, ROMAX 3000 AC and ROMAX AC ECO No. 1000001891



Press ring set >B< MaxiPro No. 1000003641





#### **Technical Data**

Application	Air-conditioning and refrigeration
Connections	Copper to copper
Dimensions	1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1.1/8"
O-Ring	HNBR
Max. operating pressure	48 bar / 4,800 kPa / 700 psig
Leak tightness	He ≤7,5×10–7 Pa.m3/s at +20 °C, 10 bar
Vacuum	200 microns
Operating temperature	-40 °C up to 140 °C
UL listing continues operating temperature	121 °C
Compatible refrigerants	R32, R134a, R404A, R407C, R407F, R410A, R507, R1234ze, R1234yf, R718, R450A, R513A, R448A, R449A, R407A, R427A, R438A, R417A and R422D

#### 3-point press technology

Three press points: one on each side of the bead and one compressing the O-ring for a permanent and secure joint



**Set (No. 1000004286) includes:** ROMAX Compact III press machine, 1 × RO BP18/2, 2.0 Ah 18V (No. 1000001652), RO BC14/36 charger, 230V (No. 1000001654), 8 × press jaws (No. see below), TUBE CUTTER 35 (No. 70027), internal and external deburrer (No. 1500000237), UNIGRAT pencil deburrer (No. 21660), ROVLIES cleaning pads (No. 45268), depth gauge (No. 1000002400), 2 × ROCASE 4414 case system

Model	Press jaws Ø	Weight	PU	AMPShare-No.	CAS-No.
Press jaw set compact >B< MaxiPro	1/4-5/8″	6.000 kg	1		1000003580
Press jaw set compact >B< MaxiPro	1/4-1.1/8″	14.000 kg	1		1000001989
Press jaw set standard >B< MaxiPro	1/4-5/8″	6.000 kg	1		1000003581
Press jaw set standard >B< MaxiPro	1/4-1.1/8″	18.100 kg	1		1000002207
ROMAX Compact III press jaw set >B< MaxiPro incl. 1 × 2.0 Ah battery	1/4-1.1/8″	17.750 kg	1	1000004287	1000004286
ROMAX Compact III press jaw set >B< MaxiPro incl. 1 × 2.0 Ah battery, UK	1/4-1.1/8″	17.750 kg	1	1000004289	1000004288
ROMAX 4000 press jaw set >B< MaxiPro incl. 1 × 4.0 Ah battery	1/4–1.1/8″	24.300 kg	1	1000004175	1000002945
ROMAX 4000 press jaw set >B< MaxiPro incl. 1 × 4.0 Ah battery, UK	1/4–1.1/8″	24.300 kg	1		1000002946

#### How to install the Conex Bänninger® >B< MaxiPro® system?

Conex Bänninger® >B< MaxiPro® benefits from a 3-point radial press—three press points, one on each side of the bead and one press compressing the O-ring. This provides a permanent and secure joint. As the connection is a mechanical joint, there is no need for nitrogen purge during the joining process.

1. Cut the tube to length.



4. Clean the tube end with a circular movement, avoiding grooves that run parallel to the tube.



7. Mark insertion depth using depth gauge and insert tube fully into the fitting.



2. Deburr and remove all external sharp edges.



5. Check for defects.



8. Align jaws squarely on the fitting and complete the joint.



3. Use a pencil deburrer on internal edges.



6. Ensure the O-ring is seated.



9. Mark the completed joint.



Please note: To ensure a safe and tight connection please follow the detailed Conex Bänninger® >B< MaxiPro® installation process. For more information, please visit the Conex Bänninger® website: conexbanninger.com









Accessories	Weight	PU	No.
TUBE CUTTER 35, 6–35 mm (1/4–1.1/2"), DURAMAG	0.255 kg	1	70027
Internal and external deburrer, 6–35 mm (1/4–1.3/8″)	0.100 kg	1	1500000237
UNIGRAT with HSS deburring blade	0.030 kg	10	21660
ROVLIES, 10 pcs.	0.080 kg	1	45268
Conex Bänninger® >B< MaxiPro® depth gauge	0.050 kg	1	1000002400

#### **Batteries and charger**

AMPShare	Weight	PU	No.
RO BP18/2, 2.0 Ah 18 V	0.400 kg	1	1000003859
RO BP18/4, 4.0 Ah 18 V	0.600 kg	1	1000003860
RO BP18/4, 4.0 Ah 18 V, ProCORE	0.520 kg	1	1000003863
RO BP18/8, 8.0 Ah 18 V, ProCORE	0.960 kg	1	1000003864
RO BC18 charger, 230 V	0.550 kg	1	1000003858

CAS	Weight	PU	No.
RO BP18/2, 2.0 Ah 18 V	0.420 kg	1	1000001652
RO BP18/4, 4.0 Ah 18 V	0.575 kg	1	1000001653
RO BP18/4, 4.0 Ah 18 V, Li-HD	0.515 kg	1	1000002548
RO BP18/8, 8.0 Ah 18 V, Li-HD	0.915 kg	1	1000002549
RO BC14/36 charger, 230 V	0.580 kg	1	1000001654

Conex Bänninger® >B< MaxiPro® press system

### Press jaws compact >B< MaxiPro

#### For ROMAX COMPACT III / ROMAX COMPACT TT

Suitable for use in pipe systems for refrigeration systems and heat pumps from -40  $^{\circ}$ C to +140  $^{\circ}$ C at a maximum operating pressure of 48 bar.

#### **Application Benefits**

- Flame free connection: No more working with open flame necessary
- Secure sealing: Reliable and durable connection through 3-point compression
- Fast, simple and cost-effective installation





Model	Press jaws Ø	Weight	PU	No.
Press jaw compact >B< MaxiPro	1/4″	1.265 kg	1	1000001749
Press jaw compact >B< MaxiPro	3/8″	1.250 kg	1	1000001750
Press jaw compact >B< MaxiPro	1/2″	1.180 kg	1	1000001751
Press jaw compact >B< MaxiPro	5/8″	1.180 kg	1	1000001752
Press jaw compact >B< MaxiPro	3/4″	1.190 kg	1	1000001753
Press jaw compact >B< MaxiPro	7/8″	1.290 kg	1	1000001754
Press jaw compact >B< MaxiPro	1″	1.930 kg	1	1000001755
Press jaw compact >B< MaxiPro	1.1/8″	1.275 kg	1	1000001756
Press jaw compact set >B< MaxiPro	1/4-5/8″	6.000 kg	1	1000003580
Press jaw compact set >B< MaxiPro	1/4-1.1/8″	14.000 kg	1	1000001989

## Press jaws standard >B< MaxiPro

#### For ROMAX 4000, ROMAX 3000 AC and ROMAX AC ECO

Suitable for use in pipe systems for refrigeration systems and heat pumps from -40  $^{\circ}$ C to +140  $^{\circ}$ C at a maximum operating pressure of 48 bar.

#### **Application Benefits**

- Flame free connection: No more working with open flame necessary
- Secure sealing: Reliable and durable connection through 3-point compression
- Fast, simple and cost-effective installation





Model	Press jaws Ø	Weight	PU	No.
Press jaw standard >B< MaxiPro	1/4″	2.050 kg	1	1000001889
Press jaw standard >B< MaxiPro	3/8″	2.040 kg	1	1000001890
Press jaw standard >B< MaxiPro	1/2″	1.940 kg	1	1000001891
Press jaw standard >B< MaxiPro	5/8″	1.945 kg	1	1000001892
Press jaw standard >B< MaxiPro	3/4″	1.895 kg	1	1000001893
Press jaw standard >B< MaxiPro	7/8″	2.000 kg	1	1000001894
Press jaw standard >B< MaxiPro	1″	1.930 kg	1	1000001895
Press jaw standard >B< MaxiPro	1.1/8″	1.930 kg	1	1000001896
Press jaw standard set >B< MaxiPro	1/4-5/8″	6.000 kg	1	1000003581
Press jaw standard set >B< MaxiPro	1/4-1.1/8″	18.100 kg	1	1000002207

## Press rings >B < MaxiPro

# FOR ROMAX COMPACT III / ROMAX COMPACT TT / ROMAX 4000 / ROMAX 3000 AC / ROMAX AC ECO

Suitable for use in pipe systems for refrigeration systems and heat pumps from -40 °C to +140 °C at a maximum operating pressure of 48 bar.











Actuator jaws are not included in the sets!

Model	Press ring Ø	Weight	PU	No.
Press ring >B< MaxiPro	1/4″	0.200 kg	1	1000003610
Press ring >B< MaxiPro	3/8″	0.200 kg	1	1000003611
Press ring >B< MaxiPro	1/2″	0.200 kg	1	1000003612
Press ring >B< MaxiPro	5/8″	0.250 kg	1	1000003613
Press ring >B< MaxiPro	3/4″	0.280 kg	1	1000003614
Press ring >B< MaxiPro	7/8″	0.310 kg	1	1000003615
Press ring >B< MaxiPro	1″	0.400 kg	1	1000003616
Press ring >B< MaxiPro	1.1/8″	0.380 kg	1	1000003617
Press ring set Small	1/4-5/8″	3.200 kg	1	1000003641
Press ring set Large	1/4-1.1/8″	3.600 kg	1	1000003703
Actuator jaw R Standard		2.360 kg	1	1000003589
Actuator jaw R Compact		1.370 kg	1	1000003590

### **Press rings**

# For ROMAX COMPACT III / ROMAX COMPACT TT / ROMAX 4000 / ROMAX 3000 AC / ROMAX AC ECO

Press rings are suitable, among others, for machines with constant axial force of  $19\,\mathrm{kN}$  or  $32\,\mathrm{kN}$  and compatible jaw fixture.









Actuator jaws are not included in the sets!

Model	Press rings Ø	Weight	PU	No.
Press ring SV	12 mm	0.220 kg	1	1000003872
Press ring SV	15 mm	0.290 kg	1	1000003874
Press ring SV	18 mm	0.280 kg	1	1000003876
Press ring SV	22 mm	0.300 kg	1	1000003877
Press ring SV	28 mm	0.400 kg	1	1000003878
Press ring SV	35 mm	0.430 kg	1	1000003879
Press ring M¹	12 mm	0.220 kg	1	1000003880
Press ring M¹	15 mm	0.290 kg	1	1000003881
Press ring M <sup>1</sup>	18 mm	0.270 kg	1	1000003882
Press ring M¹	22 mm	0.310 kg	1	1000003883
Press ring M¹	28 mm	0.400 kg	1	1000003884
Press ring M <sup>1</sup>	35 mm	0.440 kg	1	1000003885
Press ring TH	18 mm	0.360 kg	1	1000003930

Model	Press rings Ø	Weight	PU	No.
Press ring TH	20 mm	0.540 kg	1	1000003931
Press ring TH	26 mm	0.470 kg	1	1000003933
Press ring TH	32 mm	0.640 kg	1	1000003934
Press ring U	18 mm	0.290 kg	1	1000003938
Press ring U	20 mm	0.280 kg	1	1000003939
Press ring U	25 mm	0.460 kg	1	1000003940
Press ring U	32 mm	0.580 kg	1	1000003941
Press ring set SV	15-18-22-28 mm	1.780 kg	1	1000003974
Press ring set M¹	15-22-28-35 mm	1.930 kg	1	1000003973
Press ring set TH	16-20-26-32 mm	2.530 kg	1	1000003975
Press ring set U	16-20-25-32 mm	2.120 kg	1	1000003976
Actuator jaw R St	andard	2.360 kg	1	1000003589
Actuator jaw R Co	mpact	1.370 kg	1	1000003590

#### Press jaws compact

#### **Press jaws compact**

#### For ROMAX Compact III / ROMAX COMPACT TT

ROTHENBERGER press jaws with proven material and manufacturing quality for system dependent pressing of fittings up to  $\emptyset$  40 mm (plastic/multilayer) and/or up to  $\emptyset$  35 mm (metal).



#### Precision-manufactured contours

For optimum and reliable pressings

#### **DURA LAZR TEC**

100% more press cycles thanks to laser hardening<sup>1</sup>

#### 3-bolt synchronised mechanism

Synchronised run of the jaw lever enables the jaw to be opened with just one finger

## Batch numbering and individual testing

Secures the high-quality standard of material and press contour



#### Made of forged, highly resilient special steel

Suitable for all press machines with a constant axial thrust of 19–21 kN and compatible press jaw fixture

#### Permanent bolt

Without potential weak points / no thread n Considerable reduction of the breakage risk n Increased safety

#### Long-term corrosion protection

Optimum for heavy-duty field operation

Optimum for heavy-duty field operation

Adapted power flow and less wear and tear





Product identification, simple to read, clear system and nominal size classification



Model	Press jaws Ø	Weight	PU	No.
Press jaw compact SV	35 mm	2.225 kg	1	1000002266
Press jaw compact TH	40 mm	2.225 kg	1	015401X
Press jaw compact M	35 mm	2.225 kg	1	1000002267
Press jaw compact set SV	14-16-18-22 mm	4.900 kg	1	1000002801
Press jaw compact set SV	15-18-22-28 mm	5.960 kg	1	1000002800
Press jaw compact set TH	16-20-26-32 mm	6.425 kg	1	1000002803
Press jaw compact set M	15-18-22-28 mm	5.865 kg	1	1000002804
Overview pressing tools starting on page 139				

#### Interchangeable press jaw compact

#### For ROMAX Compact III / ROMAX COMPACT TT

ROTHENBERGER interchangeable press jaw for system dependent pressing of plastic fittings  $\emptyset$  12–32 mm.

Combine various interchangeable inserts with only one press jaw!



#### **Guiding ridge**

Safe admittance from interchangeable press jaws

#### 3-bolt synchronised mechanism

Synchronised run of the jaw lever enables the jaw to be opened with just one finger

## Batch numbering and individual testing

Secures the high-quality standard of material and press contour

#### Made of forged, highly resilient special steel

Suitable for all press machines with a constant axial thrust of 19–21 kN and compatible press jaw fixture

#### Long-term corrosion protection

Optimum for heavy-duty field operation



Fig. interchangeable inserts set

Optimum for heavy-duty field operation

Adapted power flow and less wear and tear

Model	Inserts Ø	Weight	PU	No.
Interchangeable inserts compact set RFz <sup>1</sup>	16-20-25-32 mm	1.110 kg	1	14849
Interchangeable inserts compact set U <sup>1</sup>	16-20-25-32 mm	1.350 kg	1	14869
Interchangeable inserts compact set TH¹	16-20-26-32 mm	1.054 kg	1	14895
Interchangeable press jaw compact with set RFz	12-16-20 mm	1.111 kg	1	1000002135
Interchangeable press jaw compact with set CO	12-16-20 mm	1.111 kg	1	1000002136
Interchangeable press jaw compact, without inserts		1.320 kg	1	1000002134
Overview pressing tools starting on page 139				

#### Press jaws standard

#### For ROMAX 4000, ROMAX 3000 AC and ROMAX AC ECO

ROTHENBERGER press jaws with proven material and manufacturing quality, for system conforming pressing of fittings up to  $\emptyset$  40 mm (plastic/multilayer) and/or up to  $\emptyset$  54 mm (metal).



#### Precision-manufactured contours

For optimum and reliable pressings

#### **DURA LAZR TEC**

100% more press cycles thanks to laser hardening<sup>1</sup>

#### 3-bolt synchronised mechanism

Synchronised run of the jaw lever enables the jaw to be opened with just one finger

## Batch numbering and individual testing

Secures the high-quality standard of material and press contour



#### Made of forged, highly resilient special steel

Suitable for all press machines with a constant axial thrust of 32–34 kN and compatible press jaw fixture

#### Permanent bolt

Without potential weak points / no thread n Considerable reduction of the breakage risk n Increased safety

#### Long-term corrosion protection

Optimum for heavy-duty field operation

Product identification, simple to read, clear system and nominal size classification



Optimum for heavy-duty field operation

Adapted power flow and less wear and tear



Fig. press jaw set SV

Model	Press jaws Ø	Weight	PU	No.
Press jaw standard set SV	15-22-28 mm	6.800 kg	1	1000002068
Press jaw standard set SV	15-18-22-28 mm	8.700 kg	1	015060X
Press jaw standard set SV	42-54 mm	10.540 kg	1	015080X
Press jaw standard set M	15-22-28 mm	6.700 kg	1	1000002067
Press jaw standard set M	15-18-22-28 mm	8.600 kg	1	015062X
Press jaw standard set TH	16-20-26 mm	8.700 kg	1	015063X
Press jaw standard set U	16-20-25 mm	7.300 kg	1	1000002069
Press jaw standard set G	16-20-26-32 mm	8.800 kg	1	015068X
Press jaw standard set BE	16-20-26 mm	8.730 kg	1	1000002065
Overview pressing tools starting on page 139				

#### Press jaws standard 3-elemental

#### For ROMAX 4000, ROMAX 3000 AC and ROMAX AC ECO

ROTHENBERGER 3-elemental press jaws with proven material and manufacturing quality, for system dependent pressing of M42 / M54 fittings and TH50 / TH63 fittings.



#### Precision-manufactured contours

For optimum and reliable pressings

#### **DURA LAZR TEC**

100 % more press cycles thanks to laser hardening<sup>1</sup>

#### 3-bolt synchronised mechanism

Synchronised run of the jaw lever enables the jaw to be opened with just one finger

#### 3-elemental system

Easy handling / assembling and optimized power distribution



#### Made of forged, highly resilient special steel

Suitable for all press machines with a constant axial thrust of 32–34 kN and compatible press jaw fixture

#### Permanent bolt

Without potential weak points / no thread n Considerable reduction of the breakage risk n Increased safety

#### Long-term corrosion protection

Optimum for heavy-duty field operation

Optimum for heavy-duty field operation

Adapted power flow and less wear and tear

Wide jaw mouth for easy assembling of the jaw on the fitting



Model	Press jaws Ø	Weight	PU	No.
Press jaw standard M 3-elemental	42 mm	4.800 kg	1	1000001273
Press jaw standard M 3-elemental	54 mm	4.860 kg	1	1000001274
Press jaw standard TH 3-elemental	50 mm	4.800 kg	1	1000001810
Press jaw standard TH 3-elemental	63 mm	4.795 kg	1	1000001811
Press jaw standard set M 3-elemental	42-54 mm	12.000 kg	1	1000001502

#### **Press chains standard**

## For ROMAX 4000, ROMAX 3000 AC and ROMAX AC ECO

Suitable for press machines with a constant, axial pressing force of 32–34 kN and the appropriate compatible press jaw fixture. For the system conforming pressing of fittings from  $\emptyset$  42 mm up to  $\emptyset$  54 mm (metal).



#### **Precision-manufactured contours**

For optimum and reliable pressings

#### **Clamping technology**

Self-clamping press chain

#### 3 segments

For an optimum force distribution on the fitting and two flexible elements for an optimal material flow on the fitting

#### Low weight

Comfortable operation even over long periods of work

#### Made of forged, highly resilient special steel

Suitable for all press machines with a constant, axial force of 32–34 kN and compatible press jaw fixture

#### 3-bolt synchronised mechanism

Synchronised run of the jaw lever enables the jaw to be opened with just one finger



Press chain sets include: Press chains according to the table, actuator jaw S1 (No.1000001126), ROCASE case system 4212 (No.1000001960)

#### **DURA LAZR TEC**

100 % more press cycles thanks to laser hardening



Secures the high-quality standard of material and press contour

Long-term corrosion protection Optimum for heavy-duty field





Opening of the press chain up to 180° allows assembling even in confined



Closing the press chain



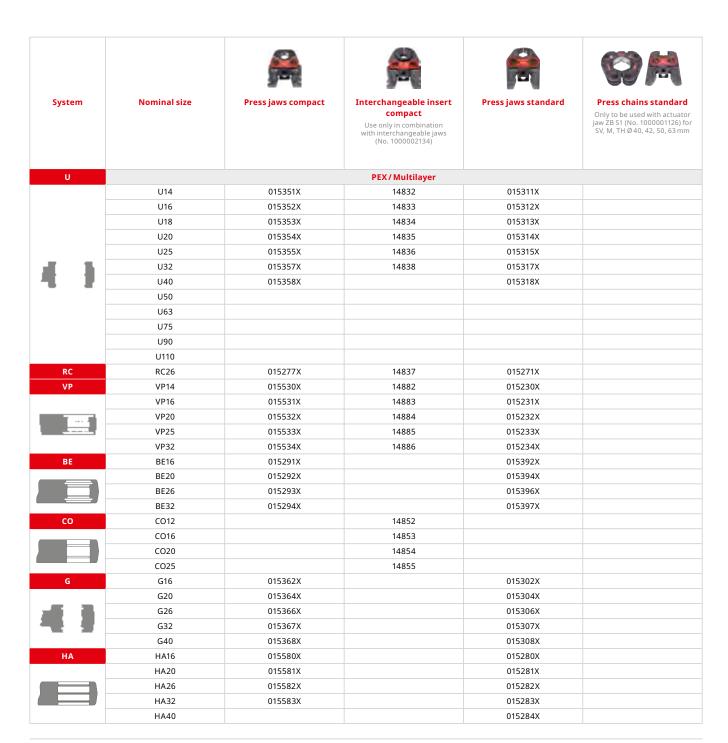
Gripping the press chain with actuator jaw



Model	Press chains Ø	Weight	PU	No.
Press chain M	42 mm for actuator jaw ZBS1	1.300 kg	1	1000001391
Press chain M	54 mm for actuator jaw ZBS1	1.500 kg	1	1000001392
Press chain SV	42 mm for actuator jaw ZBS1	1.300 kg	1	1000001393
Press chain SV	54 mm for actuator jaw ZBS1	1.500 kg	1	1000001394
Press chain set SV with actuator jaw ZBS1	42-54 mm	7.300 kg	1	1000001501
Press chain set M with actuator jaw ZBS1	42-54 mm	7.600 kg	1	1000001500
Actuator jaw ZBS1	For press chains SV and M up to Ø 54 mm	2.100 kg	1	1000001126

Overview pressing tools starting on page 139





#### **Pressnavigator app**

Pressnavigator for easy verification of the compatibility of press tool and fitting system.

Which press tool is suitable for which fitting system?

The ROTHENBERGER Pressnavigator offers convenient assistance: with just a few clicks, the compatibility between our press tools and the established fitting system can be checked.

The app is available in German or English.





App for smartphone and tablet For easy verification of the compatability of press tools. Available for iOS and Android!





App Store

Google Play



#### **OVERVIEW ALSO AVAILABLE ONLINE!** Conex Bänninger >B< Press Gas, Solar Conex Bänninger >B< Press INOX Eurotherm, MULTISTRATO, Euro 2000 **DALPEX LaserMulti Dalpex Blansol Sistema Easypress** Anpro EN Series Stainless Steel, Carbon Steel **Blansol Sistema Multipex** Bampi BALPEX (Serie MP) **CIMBERIO SpA Cimpress** APE Raccordi a pressare Chibro Adduzione / Gas, Galvinized Comisa Multi layer pipe Interchangeable insert compact Bonomi Group Turbo Turbo Press Gas Press jaws compact Press jaws standard **Broen Ballofix Pres** Bampi BALPEX Gas **COMAP, Skin Press** Chibro Cunipress, Riscaldamento CO.E.S. Coesklima **EMPUR PEXPRESS Emmeti Gerpex Nominal size** M12 015151X 015101X 015152X 015102X M15 • M18 015153X 015103X • M22 015154X 015104X • • • • M28 015105X • • 015155X M35 1000002267 015106X 1000001273 M42 M54 1000001274 V/SV V12 015261X 015211X SV14 015269X 015219X SV15 015262X 015212X SV16 015260X 015220X SV18 015263X 015213X SV22 015264X 015214X • • SV28 015265X 015215X • • • SV35 1000002266 015216X SV42 015217X • • SV54 015218X • G16 015362X 015302X G20 015364X 015304X 015366X 015306X G26 G32 015367X 015307X G40 015368X 015308X HA16 015580X 015280X HA20 015581X 015281X HA26 015582X 015282X HA32 015583X 015283X HA40 015284X 015339X 14863 R12 015370X R14 015330X R16 015371X 015331X 14865 • R17 015378X 015333X R18 015379X 015334X R20 015374X 015335X 14868 R25 015380X 015338X R26 015376X 015336X 14708 R32 015377X 015337X 1000000173 14822 RFz12 RFz16 015180X 015161X 14823 • RFz20 015181X 015162X 14824 RFz25 015182X 015163X 14825 RFz32 015183X 015164X 14826 TH14 015395X 015321X 14842 • TH16 015385X 015322X 14843 • • • **TH18** 015398X 015323X 14844 • é TH20 015389X 015324X 14845 • • • • • TH25 015399X 015325X 14846 TH26 015391X 015326X 14847 • • TH32 015393X 015327X 14848 TH40 015401X 015328X THG32 1000000236 1000000235 THT THT32 1000004620 015329X U14 015351X 015311X 14832 U16 015352X 015312X 14833 U18 015353X 015313X 14834 • U20 14835 015354X 015314X U25 14836 015355X 015315X • 1132 015357X 015317X 14838 U40 015358X 015318X • 015277X 015271X 14837 RC26 VP14 015530X 015230X 14882 VP16 14883 015531X 015231X VP20 015532X 015232X 14884 VP25 015533X 015233X 14885

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#### **OVERVIEW ALSO AVAILABLE ONLINE! Eurotubi Pressfitting System** HAKA, Fimisol, HAKAP-RES, SERODUR IBP >B< Press Rotguss, Inox Interchangeable insert compact 2000 **Geberit Mapress Stainless** Hitec Sistema, Multistrato Use only in combination with interchangeable jaws (No. 1000002134) Frabo Frabopress C Steel, F.B.Q. BARONIO, BQ pres FRÄNKISCHE, ALPEX F50 Press jaws compact Press jaws standard Harden 2000, Polypex Sabo, Gabopress H+5 HIDROTEC KLIMATEC **Geberit Mapress Gas** Siacomini Giacoflex, Soaco Therm **Vominal size** Seberit Mepla M12 015151X 015101X • ٠ 015152X 015102X • M15 • M18 015153X 015103X • • • M22 015154X 015104X • • • • M28 015105X • • 015155X • • • M35 1000002267 015106X 1000001273 M42 • M54 1000001274 V/SV V12 015261X 015211X SV14 015269X 015219X • SV15 015262X 015212X SV16 015260X 015220X • • SV18 015213X 015263X • SV22 015264X 015214X SV28 015265X 015215X • • SV35 015216X 1000002266 SV42 015217X • • SV54 • • 015218X G16 015362X 015302X G20 015364X 015304X 015366X 015306X G26 G32 015367X 015307X • G40 015368X 015308X HA16 015580X 015280X HA20 015581X 015281X HA26 015582X 015282X HA32 015583X 015283X HA40 015284X 015339X 14863 R12 015370X R14 015330X R16 015371X 015331X 14865 • R17 015378X 015333X R18 015379X 015334X R20 015374X 015335X 14868 R25 015380X 015338X R26 015376X 015336X 14708 R32 015377X 015337X • • RFz12 1000000173 14822 RFz16 015180X 015161X 14823 RFz20 015181X 015162X 14824 RFz25 015182X 015163X 14825 RFz32 015183X 015164X 14826 TH14 015395X 015321X 14842 • TH16 015385X 015322X 14843 • **TH18** 015398X 015323X 14844 TH20 015389X 015324X 14845 • • • TH25 015399X 015325X 14846 • TH26 015391X 015326X 14847 • TH32 015393X 015327X 14848 • • TH40 015401X 015328X THG32 1000000236 1000000235 THT THT32 1000004620 015329X U14 015351X 015311X 14832 U16 015352X 015312X 14833 U18 015353X 015313X 14834 • U20 14835 015354X 015314X U25 14836 015355X 015315X • 1132 015357X 015317X 14838 U40 015358X 015318X 015277X 015271X 14837 RC26 VP14 015530X 015230X 14882 VP16 14883 015531X 015231X VP20 015532X 015232X 14884 • VP25 015533X 015233X 14885 • 015534X VP32 015234X 14886

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#### **OVERVIEW ALSO AVAILABLE ONLINE! Nussbaum Cupress, Optipress** IBP >B< PRESS, >B< PRESS GAS **MULTITHERM PRESSSYSTEM** Mair Heiztechnik, Gomafix LAVAGRUND, LAVAPRESS **NEUTHERM, MEKUPRESS** Nussbaum, Optiflex Plus Interchangeable insert compact Jaraflex-presssystem MEGARO HAKAPRESS **Multitubo Giacomini Nussbaum Cupress**G lupiter, Heizsysteme Press jaws standard Press jaws compact **KOHLER, InoxPress** Markkg, polymark IPA, IPANA-PRES KE KELIT KELOX Oventrop, Cofit IVAR MP / PMP **Nominal size** M12 015151X 015101X 015152X 015102X M15 M18 015153X 015103X • M22 015154X 015104X • M28 015155X 015105X • M35 1000002267 015106X 1000001273 M42 M54 1000001274 V/SV V12 015261X 015211X SV14 015269X 015219X SV15 015262X 015212X SV16 015260X • 015220X • SV18 015263X 015213X SV22 015264X 015214X • SV28 015265X 015215X • • • SV35 1000002266 015216X SV42 015217X • SV54 • 015218X G16 015362X 015302X G20 015364X 015304X 015366X 015306X G26 G32 015367X 015307X G40 015368X 015308X HA16 015580X 015280X • HA20 015581X 015281X HA26 015582X 015282X HA32 015583X 015283X HA40 015284X 015339X 14863 R12 015370X R14 015330X R16 015371X 015331X 14865 • • • R17 015378X 015333X • R18 015379X 015334X • R20 015374X 015335X 14868 R25 015380X 015338X R26 015376X 015336X 14708 R32 015377X 015337X • • RFz12 1000000173 14822 RFz16 015180X 015161X 14823 RFz20 015181X 015162X 14824 RFz25 015182X 015163X 14825 RFz32 015183X 015164X 14826 TH14 015395X 015321X 14842 TH16 015385X 015322X 14843 • • • • **TH18** 015398X 015323X 14844 • • • • TH20 015389X 015324X 14845 • • TH25 015399X 015325X 14846 • TH26 015391X 015326X 14847 • • TH32 015393X 015327X 14848 • TH40 015401X 015328X THG32 1000000236 1000000235 THT THT32 1000004620 015329X U14 015351X 015311X 14832 U16 015352X 015312X 14833 U18 015353X 015313X 14834 U20 14835 • 015354X 015314X U25 14836 015355X 015315X • 1132 015357X 015317X 14838 • U40 015358X 015318X • RC26 015277X 015271X 14837 VP14 015530X 015230X 14882 VP16 015531X 14883 • 015231X VP20 015532X 015232X 14884 • VP25 015533X 015233X 14885 VP32 015234X 015534X 14886

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#### **OVERVIEW ALSO AVAILABLE ONLINE! SANHA PURAPRESS Serie 8000** ROTH SISTEMA ROTHA-PRESS Roth-Roth Rohrinstallations-systeme SANHA-NiroSan-Presssystem Chronimo THERMOVAL, THERMOSMART SANHA NiroSan Serie 9000, 17000 Gas, 18000, 19000 Simplex SiRoCon PPSU TH Sanha 3fit-PRESS SYSTEM 14-63 mm Simplex SiRoCon PPSU H POLYSAN Press-System Prandelli, MULTYRAMA Raccorderie Metalliche Raccorderie Metalliche, Inoxpress Gas Interchangeable inseri compact Simplex SiRoCon Cu/E PIPELIFE RADOPRESS Tiemme, Cobrapress Use only in combination with interchangeable jaws (No. 1000002134) Press jaws compact Press jaws standard RIQUIERA A SERTIR Roth Alu-Laserplus Nominal size M12 015151X 015101X • • 015102X • • M15 015152X • • • M18 015153X 015103X • • • • • M22 015154X 015104X • • • • • • • • • • M28 015155X 015105X M35 1000002267 015106X 1000001273 M42 M54 1000001274 V/SV V12 015261X 015211X • SV14 015269X 015219X • • • SV15 015262X 015212X 015260X SV16 015220X SV18 015213X 015263X SV22 015264X 015214X • • • • SV28 015265X 015215X • • • • SV35 015216X 1000002266 • SV42 015217X • SV54 015218X • G16 015362X 015302X G20 015364X 015304X 015306X G26 015366X G32 015367X 015307X G40 015368X 015308X HA16 015580X 015280X HA20 015581X 015281X HA26 015582X 015282X HA32 015583X 015283X HA40 015284X 015339X 14863 R12 015370X R14 015330X 14864 R16 015371X 015331X 14865 • • R17 015378X 015333X 14866 R18 015379X 015334X 14867 • R20 015374X 14868 015335X R25 14707 015380X 015338X R26 015376X 015336X 14708 R32 015377X 015337X 14709 • • • 1000000173 RFz12 14822 RFz16 015180X 015161X 14823 RFz20 015181X 015162X 14824 RFz25 015182X 015163X 14825 RFz32 015183X 015164X 14826 TH14 015395X 015321X 14842 TH16 015385X 015322X 14843 **TH18** 015398X 015323X 14844 TH20 015389X 015324X 14845 • • • TH25 015399X 015325X 14846 • TH26 015391X 015326X 14847 TH32 015393X 015327X 14848 015401X TH40 015328X THG32 1000000236 1000000235 THT THT32 1000004620 015329X U14 015351X 015311X 14832 U16 015352X 015312X 14833 U18 015353X 015313X 14834 U20 14835 015354X 015314X U25 14836 015355X 015315X 1132 015357X 015317X 14838 U40 015358X 015318X 015271X 14837 RC26 015277X VP14 015530X 015230X 14882 VP16 14883 015531X 015231X VP20 015532X 015232X 14884 VP25 015533X 015233X 14885

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#### **OVERVIEW ALSO AVAILABLE ONLINE!** UPONOR UNIPIPE, UNI-CORE, Airpipe WEFA PLASTIC, WEFA PRESS Viega sanfix FOSTA, P, PLUS Viega Profipress Sanpress, Sanpress INOX Wavin FUTURE 1/2, TIGRIS Alupex/Blue Ulrich VARIOFLEX HAKA-PRESS **Navin Aquatecnic Tigris** Interchangeable insert compact I Sudo Press Carbon nless, Copper **UPONOR SPress Plus** VSH Skin Press PPSU, Skin Press Gas **Watts MTR Art press** Use only in combination with interchangeable jaws (No. 1000002134) VSH X-Press Carbon Stainless, Copper Press jaws compact Press jaws standard Vescal, Metalplast Viega Profipress G Tradesa Serie 700 **VSH Skin Press Nominal size** Valsir PEXAL WKS-Press M12 015151X 015101X 015152X 015102X M15 M18 015153X 015103X • M22 015154X 015104X • M28 015105X 015155X M35 1000002267 015106X 1000001273 M42 M54 1000001274 V/SV V12 015261X 015211X • • SV14 015269X 015219X • • SV15 015262X 015212X SV16 015260X • • 015220X • SV18 015263X 015213X • SV22 015264X 015214X • • • SV28 015265X 015215X • • • SV35 1000002266 015216X SV42 015217X • • SV54 • • 015218X • G16 015362X 015302X G20 015364X 015304X 015366X 015306X G26 G32 015367X 015307X G40 015368X 015308X HA16 015580X 015280X HA20 015581X 015281X HA26 015582X 015282X HA32 015583X 015283X • HA40 015284X 015339X 14863 R12 015370X R14 015330X 14864 R16 015371X 015331X 14865 • • • R17 015378X 015333X 14866 • R18 015379X 015334X 14867 • R20 015374X 015335X 14868 R25 015380X 14707 015338X R26 015376X 015336X 14708 R32 015377X 015337X 14709 • • • 1000000173 RFz12 14822 RFz16 015180X 015161X 14823 RFz20 015181X 015162X 14824 RFz25 015182X 015163X 14825 RFz32 015183X 015164X 14826 TH14 015395X 015321X 14842 • • TH16 015385X 015322X 14843 • **TH18** 015398X 015323X 14844 TH20 015389X 015324X 14845 • • • TH25 015399X 015325X 14846 • TH26 015391X 015326X 14847 • TH32 015393X 015327X • 14848 • TH40 015401X 015328X THG32 1000000236 1000000235 THT THT32 1000004620 015329X • U14 015351X 015311X 14832 U16 015352X 015312X 14833 U18 015353X 015313X 14834 U20 14835 • 015354X 015314X U25 14836 015355X 015315X • • 1132 015357X 015317X 14838 • U40 015358X 015318X • • RC26 015277X 015271X 14837 VP14 015530X 015230X 14882 VP16 14883 • 015531X 015231X VP20 015532X 015232X 14884 • VP25 015533X 015233X 14885

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System overview

# Threader manual SUPER CUT SANI KIT





Number of die heads	up to 7 pcs.	3 pcs.
Thread type	BSPP, BSPT R, BSW, Metric, NPT	BSPP, BSPT R, BSW, Metric, NPT
Handle	up to 3 pcs.	2 pcs
Working range	Ø 1/4-2″	Ø 1/2-1″
Operation mode	Handed / manual	Handed / manual

Threader electric			
SUPERTRONIC 1250	SUPERTRONIC 2000 E	SUPERTRONIC 2000	







Working range	Ø 1/4-1. 1/4″	Ø 1/4–2″	Ø 1/4–2″
Thread type	BSPP, BSPT R, BSW, Metric, NPT	BSPP, BSPT R, BSW, Metric, NPT	BSPP, BSPT R, BSW, Metric, NPT
Number of die heads	4 pcs.	6 pcs.	6 pcs.
Power	750 W	0	1,010 W
Page	154	156	158

## Threader stationary

ROPOWER 50 R SUPERTRONIC 2 SE SUPERTRONIC 3 SE SUPERTRONIC 4 SE









Operation mode	Stationary	Stationary	Stationary	Stationary
Working range	Ø 1/4-2″	Ø 1/4-2″	Ø 1/4-2″	Ø 1/4-4"
Thread type	BSPP, BSPT R, BSW, Metric, NPT			
Number of die heads	1 pcs.	1 pcs.	2 pcs.	2 pcs.
Number of threading dies	2 pcs.	2 pcs.	3 pcs.	3 pcs.
Power	1,150 W	1,150 W	1,700 W	1,750 W
Page	162	164	164	164

## **Roll grooving machines**

Hand ROLL GROOVER 1–12" ROGROOVER 1–6" ROGROOVER 1–12"







Operation mode	Handed-manual / Handed-electric	Handed-electric/Stationary	Stationary
Working range	Ø 1–12″	Ø 1-6″	Ø 1–12″
Drive unit	SUPERTRONIC 1250/2000	SUPERTRONIC 2000 / 2-4 SE	Motor
Wall thickness	up to 10 mm	up to 10 mm	up to 10 mm
Pressure rollers included	1 pcs.	1 pcs.	3 pcs.
Power	800 W / 1,010 W	1,010 W / max. 1,750 W	1,500 W
Transportation frame	0	0	optional
Page	168	168	169

**SUPER CUT** 

## Ratchet threader Ø 1/4-2"

For production of precise and reliable thread connections according EN 10226 on threaded pipe according EN 10255  $\mathrm{M/H}$ 

#### **Application Benefits**

- Slim, compact design with excellent overall size, ratchet angle of 22.5°
- Easy operation in hard-to-reach places with the offset lever
- Convenient, lockable reversal of the ratchet direction
- Extremely long service life
- Simple insertion and removal of die heads
- Secure hold with retainer locking
- Perfect centering through the long pipe guide is ensured
- Optimised cutting geometry allows a gentle first cut and excellent chip discharge

Power optimisation with the offset hand lever!

## Quick change die heads

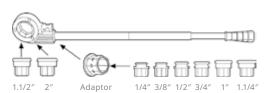
#### Secure hold

Positive octagonal universal drive with retainer locking

#### Fits all ROTHENBERGER manual and power threaders

Simple insertion and removal of the die heads





With ratchet handle 1/4"-2" the attachment of the 1/4"-1.1/4" die head results with the use of the adaptor (No. 600011500)



Monoblock adaptor (No. 600011500)



#### **SUPER CUT sets 1/2-1.1/4"**

With ratchet handle (small octagonal drive, No. 070840X) and die heads in plastic carrying case (No. 70780)



Lever	arm	Nο	624	0021

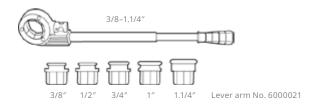
Model	Weight	PU	No.
BSPT R, 1/2-3/4-1"	4.200 kg	1	070780X
BSPT R, 1/2-3/4-1-1.1/4"	5.100 kg	1	070781X



Model	Weight	PU	No.
NPT, 1/2-3/4-1"	4.800 kg	1	070903X <sup>1</sup>
NPT, 1/2-3/4-1-1.1/4"	5.450 kg	1	070901X <sup>1</sup>

#### **SUPER CUT sets 3/8-1.1/4"**

With ratchet handle (small octagonal drive, No. 070840X) and die heads in ROCASE 4414 (No. 1300003541)



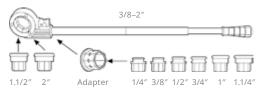
Model	Weight	PU	No.
BSPT R, 3/8-1/2-3/4-1-1.1/4"	6.200 kg	1	070790X





#### SUPER CUT sets 3/8-2"

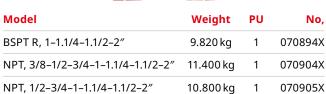
With ratchet handle (large octagonal drive, No. 71272), die head adaptor (No. 71273) and die heads in ROCASE 4414 (No. 1300003541)



Lever arm No. 6010121

Model	Weight	PU	No,
BSPT R, 3/8-1/2-3/4-1-1,1/4-1,1/2-2"	11.400 kg	1	070891X
BSPT R, 1/2-3/4-1-1,1/4-1,1/2-2"	10.800 kg	1	070892X





Accessories	Page
Die heads 1/4–2″	160
Dies 1/4-2"	160
Cutting fluid	161
Pipe roughing wrench	167
Ratchet pipe deburrer 1/4–2"	167



Model







Threading manual

#### **SANI KIT Tool carrying case**

#### Tool set in sturdy plastic carrying case

Ideal for repair and installation jobs requiring complete steel pipe processing

Cutting: Up to Ø 1.1/4″ Thread cutting: Up to Ø 1″

Assembly, screwing, loosening, sealing of thread

connections: Up to Ø 1.1/4"

#### **Application Benefits**

- · Light and easy to use, always within reach
- · Secure guiding of the cutter wheel on the pipe
- Reliable grip with the s-shaped jaw
- · Firm grip even with heavy-duty use
- Long service life
- · Precise thread cutting to approved standards
- Perfect alignment

#### The ideal installation set!



SANI KIT when working at the building site with RONOL





# Steel pipe cutter Super 1.1/4" Wide rollers Secure guiding of the cutter wheel on the pipe Corner pipe wrench Super S Slim, s-shaped jaw Firm grip

SUPER CUT ratchet threader
With SUPER CUT ratchet handle 1.1/4"
Perfect alignment

Small outer octagon, BSPT R 1/2-3/4-1"

Pollshed head and joint

**10-part set (No. 70600) includes:** SUPER CUT ratchet threader 1.1/4" (No. 070840X), quick-change die heads BSPT R 1/2" (No. 070823X) – 3/4" (No. 070824X) – 1" (No. 070825X), steel pipe cutter SUPER 1.1/4" (No. 70040), water pump pliers type SP 10" (No. 70528), corner pipe wrench 1" (No. 070122X) as well as teflon tape (No. 855360), in plastic carrying case

Model	Weight	PU	No.
SANI KIT Tool carrying case	8.200 kg	1	70600

Firm grip even with heavy-duty use

Precise thread cutting to approved standards

#### **Ratchet arm for SUPER CUT**

#### Ratchet threader Ø 1/4-1.1/4"

For production of precise and reliable thread connections according EN 10226 on threaded pipe according EN 10255 M/H

#### **Application Benefits**

- Slim, compact design with excellent overall size, ratchet angle of 22.5°
- Easy operation in hard-to-reach places with the offset lever
- Convenient, lockable reversal of the ratchet direction
- Extremely long service life
- Simple insertion and removal of die heads
- Secure hold with retainer locking
- Perfect centering through the long pipe guide is ensured
- Optimised cutting geometry allows a gentle first cut and excellent chip discharge



Model	Weight	PU	No.
Ratchet arm for SUPER CUT 1/4–1.1/4″, 2 pieces	1.700 kg	1	070840X



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#### **SUPERTRONIC 1250**

#### Electric threading die Ø 1/4-1.1/4"

For fast and effortless production of precise, standard-compliant and secure threaded connections

For thread cutting of **BSPT right:** Ø 1/2–1.1/4″

Optional (not included in the set): Ø 1/4", 3/8"

**NPT:** Ø 1/4-1.1/4"

#### **Application Benefits**

- Ideal for confined spaces (corners, shafts)
- · Sturdy and light, even with heavy-duty use
- Compact gear housing with excellent overall size
- · High power transmission, quiet running with long service life
- Tough, rugged and durable
- Weight reduction and easy handling
- Die head can be used in both directions (left and right)
- Stable speed by forward and reverse motion

# 110 V









#### **Technical Data**

Working area	Ø 1/4-1.1/4"
Cutting speed	15-20 m/s
Sound pressure level	92 dB
Sound power level (LwA)	103 dB
Power consumption	750 W
Rapid reverse speed	27 m/s
Vibration	1.02 m/s <sup>2</sup>
Thread type	BSPP, BSPT R, BSW, Metric, NPT



Ideal for portable operation due to its compact design and weight of only 4.9 kg



Small head shape (11 cm)



Pipe roughing



#### **SUPERTRONIC 1250 sets**

**Set includes:** SUPERTRONIC 1250 up to Ø 1.1/4″ with forged pipe clamp (No. 865008700), precision die heads complete in plastic carrying case (No. 995858100)

Small—Fast—Light



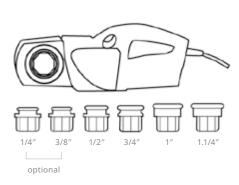
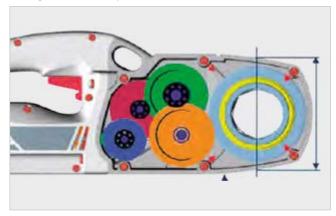




Fig. SUPERTRONIC 1250 set (No. 71450)

Model	Weight	PU	No.
SUPERTRONIC 1250 set with pipe clamp	3.900 kg	1	71470
SUPERTRONIC 1250 set BSPT R 1/2-3/4-1-1.1/4", 230 V	12.970 kg	1	71450
SUPERTRONIC 1250 set NPT 1/2-3/4-1-1.1/4", 220 V	13.000 kg	1	71454
SUPERTRONIC 1250 set NPT 1/2-3/4-1-1.1/4", 110 V	13.000 kg	1	71453
Counterholder	1.600 kg	1	865008700

Helical gears for maximum power (800 W)



Portable, fast and easy steel pipe processing



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#### **SUPERTRONIC 2000 E**

#### Battery driven power threader Ø 1/4-2"

For quick and effortless production of precise and reliable thread connections to approved standards

For threading of **BSPT right:** Ø 1/4-2"

#### **Application Benefits**

- 4-times faster retraction due to reverse gear unit
- · User-friendly operation thanks to large changeover switch for forward and reverse motion
- Firm seating of the cutting heads due to direct mounting with snap ring locking
- Thread cutting close to the wall due to off-center cutting heat cutting head mounting
- Ideal for hard-to-reach places (corners, shafts)
- · Secure hold in both directions of rotation due to hardened, prism toothed counterholder
- Easy to maintain thanks to permanent lubrication and brushless motor





#### **Technical Data**

Working area	Ø 1/4-2" (13-60 mm)
System battery	CAS or AMPShare
Cutting speed	15-25 rpm
Sound pressure level	87 dB
Sound power level (LwA)	100 dB
Rapid reverse speed	58 rpm

Available in the manufacturer-independent battery systems AMPShare - Powered by Bosch or CAS - CORDLESS ALLIANCE SYSTEM

#### **Toolless Speed-Lock** die head mounting

even close to walls



Easy insertion of the die head with tension locking ring



Compatible with with rolling groover ROGROOVER 1-6"

of up to 20% for person and machine



Work in confined spaces



Threading electric

#### **SUPERTRONIC 2000 E sets**

**Set includes:** SUPERTRONIC 2000 E basic device, pipe clamp (No. 71280), ROFIX adaptor (No. 71271), ROCASE 6414 with inlay (No. 1000001953)

Can also be used as a drive for our roll grooving unit!



Model	Weight	PU	AMPShare-No.	CAS-No.
SUPERTRONIC 2000 E bare tool with pipe clamp	9.800 kg	1	1000004184	1000003387
SUPERTRONIC 2000 E set with pipe clamp, without battery, without charger, BSPT R 1/2–3/4–1–1.1/2–2"	12.200 kg	1	1000004185	1000003388
SUPERTRONIC 2000 E set with pipe clamp, 4 Ah battery, charger, BSPT R 1/2–3/4–1–1.1/4–1.1/2–2″	18.100 kg	1	1000004186	1000003389







#### **Batteries and charger**

AMPShare	Weight	PU	No.
RO BP18/2, 2.0 Ah 18 V	0.400 kg	1	1000003859
RO BP18/4, 4.0 Ah 18 V	0.600 kg	1	1000003860
RO BP18/4, 4.0 Ah 18 V, ProCORE	0.520 kg	1	1000003863
RO BP18/8, 8.0 Ah 18 V, ProCORE	0.960 kg	1	1000003864
RO BC18 charger, 230 V	0.550 kg	1	1000003858

CAS	Weight	PU	No.
RO BP18/2, 2.0 Ah 18 V	0.420 kg	1	1000001652
RO BP18/4, 4.0 Ah 18 V	0.575 kg	1	1000001653
RO BP18/4, 4.0 Ah 18 V, Li-HD	0.515 kg	1	1000002548
RO BP18/8, 8.0 Ah 18 V, Li-HD	0.915 kg	1	1000002549
RO BC14/36 charger, 230 V	0.580 kg	1	1000001654

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#### Power threader Ø 1/4-2"

For quick and effortless production of precise and reliable thread connections to approved standards

For threading of **BSPT right:** Ø 1/4-2" **NPT:** Ø 1/4-2"

#### **Application Benefits**

- Secure grip in both turning directions with the hardened, interlocking prism pipe clamp
- Die heads are held firmly in place through direct seating with tension ring locking
- Off-set die head mounting allows for threading even close to walls
- Ideal for confined spaces (corners and shafts)
- User-friendly work with the large mechanism for switching directions
- Reliable motor for long-term use

# 110 V









#### **Technical Data**

Working area	Ø 1/4-2″
Cutting speed	15-25 m/s
Sound pressure level	100 dB
Sound power level (LwA)	87 dB
Power consumption	1,010 W
Rapid reverse speed	58 bpm
Vibration	$3.02  \text{m/s}^2$
Thread type	BSPP, BSPT R, BSW, Metric, NPT



Easy insertion of the die heads



Use with roll grooving tool ROGROOVER



ROFIX adaptor (No. 71271)



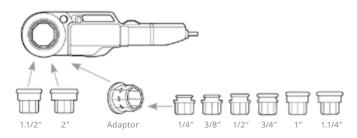
High reduction gears



#### **SUPERTRONIC 2000 sets**

**Set includes:** SUPERTRONIC 2000 with pipe clamp (No. 71280), ROFIX adaptor (No. 71271), and precision die heads, ROCASE 6414 (No. 1000001953) with inlay





Can also be used in combination with a roll grooving tool!





Fig. SUPERTRONIC 2000 set (No. 71257)

Model	Weight	PU	No.
SUPERTRONIC 2000 set BSPT R 1/2-3/4-1-1.1/4-1.1/2-2", 230 V	14.500 kg	1	71256
SUPERTRONIC 2000 set NPT 1/2-3/4-1-1.1/4-1.1/2-2", 230 V	15.000 kg	1	71257
SUPERTRONIC 2000 with pipe clamp, without die heads, 230 V	6.800 kg	1	71250
SUPERTRONIC 2000 BSPT R 1/2-3/4-1-1.1/4-1.1/2-2", 110 V	14.500 kg	1	71258
SUPERTRONIC 2000 NPT 1/2-3/4-1-1.1/4-1.1/2-2", 110 V	15.000 kg	1	71259
SUPERTRONIC 2000 with pipe clamp, without die heads, 110 V	6.800 kg	1	71251
SUPERTRONIC 2000 230 V, ROCASE, with ROFIX, forged pipe clamp	11.200 kg	1	1000002011

Work in confined spaces



Die heads with the tripod universal workbench



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#### Threading die head for SUPERTRONIC

Precision die head up to Ø 2" for the production of precise and standardized thread connections according to EN 10226

According to ASME B1.20.1 (NPT)

#### **Fully automatic production process**

Reduced production tolerances to increase the service life by up to 10 %

#### Threading die heads with optimized geometry

Reduced effort of up to 10% for person and machine

#### Precision threading dies

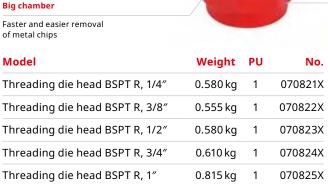
Special viscous hard steel with long service life

Threading die head BSPT R, 1.1/4"

Threading die head BSPT R, 1.1/2"

Threading die head BSPT R, 2"

Faster and easier removal



0.905 kg

1.665 kg

1.535 kg

1

070826X

070842X

070843X

#### **Application Benefits**

- Threading die heads with optimized geometry to reduce the effort by up to 10 % for person and machine
- Reduced manufacturing tolerance for quicker performance
- · Interchangeable threading dies to increase economic efficiency
- Quick change threading die heads with secure holding for SUPER CUT, SUPERTRONIC 1250 and 2000s models

#### Extra wide and exchangeable threading dies

Highest demands and long service life

#### Forcelocked octagonal universal drive with snap ring locking

Easy and tool-free assembly with secure hold

Model	Weight	PU	No.
Threading die head NPT, 3/8"	0.580 kg	1	070908X
Threading die head NPT, 1/2"	0.600 kg	1	070912X
Threading die head NPT, 3/4"	0.580 kg	1	070913X
Threading die head NPT, 1"	0.770 kg	1	070914X
Threading die head NPT, 1.1/4"	0.900 kg	1	070915X
Threading die head NPT, 1.1/2"	1.700 kg	1	070849X
Threading die head NPT, 2"	1.560 kg	1	070850X

## Threading dies for SUPERTRONIC BSPT R **Precision threading dies**

In conjunction with the matching SUPER CUT die head, pipe threads can be produced according to EN 10226 (BSPT R)



Model	Weight	PU	No.
BSPT R, 1/4"	0.060 kg	1	070831X
BSPT R, 3/8"	0.060 kg	1	070832X
BSPT R, 1/2"	0.060 kg	1	070833X
BSPT R, 3/4"	0.065 kg	1	070834X
BSPT R, 1"	0.125 kg	1	070835X
BSPT R, 1.1/4"	0.135 kg	1	070836X
BSPT R, 1.1/2"	0.150 kg	1	070869X
BSPT R, 2"	0.150 kg	1	070870X

#### Threading dies for SUPERTRONIC NPT

In conjunction with the matching SUPER CUT thread cutting head, pipe threads of 1/4-2" according to ASME B1.20.1 (NPT) can be produced.



Model	Weight	PU	No.
NPT, 1/4"	0.160 kg	1	070916X
NPT, 3/8″	0.060 kg	1	070917X
NPT, 1/2"	0.070 kg	1	070918X
NPT, 3/4"	0.070 kg	1	070919X
NPT, 1"	0.140 kg	1	070920X
NPT, 1.1/4"	0.140 kg	1	070921X
NPT, 1.1/2"	0.150 kg	1	070945X
NPT, 2"	0.160 kg	1	070946X



#### **ROFIX** adapter

#### Fits small external octagonal die heads from Ø 1/4-1.1/4"

#### **Application Benefits**

· Easy insertion of the die head with tension ring locking







Model	Weight	PU	No.
ROFIX adapter	0.800 kg	1	71271

#### **RONOL**

#### High-performance cutting oil

High-performance cutting fluid for producing thread connections or cutting metal. The cutting oil in various sizes can be used with manual threaders or stationary machines

#### **Application Benefits**

- Excellent cooling and lubricating properties
- Durability of the threading die is increased considerably
- For perfect, clean threads
- Safe for skin contact
- · Also suitable as cold lubrication when cutting metal

Model	Weight	PU	No.
RONOL spray can, 600 ml	0.580 kg	12	65008
RONOL canister, 51	4.600 kg	1	65010
RONOL barrel, 2101	195.500 kg	1	65011

Mineral-based cutting oil is not permitted for drinking water installations—Please check your national regulations!





#### **RONOL SYN**

#### **High-performance cutting fluid**

Suitable as a coolant and lubricant for producing threads or cutting metal

#### **Application Benefits**

- Excellent cooling and lubricating properties
- Able to handle high pressure
- Longer life for the cutting tool
- Safe for skin contact
- · Also suitable as cold lubrication when cutting metal











#### 6

Threading electric

#### **ROPOWER 50 R**

#### Portable compact threader Ø 1/4-2"

Quick and effortless production of precise and reliable pipe and bolt threads to approved standards

Use on building sites, for repairs and service, industrial use and for installation work

For threading of:

BSPT right, EN 10226, ISO 7-1: Ø 1/4-2″ NPT, ASME B1.20.1: Ø 1/4-2″ BSPP, ISO 228-1, DIN 259: Ø 1/2-2″ BSW, B. S 84: Ø 3/8-2″ Metric, ISO 261, DIN 13: Ø 10-24 mm

#### **Application Benefits**

- · Quick and reliable threading, trimming, deburring, and grooving
- Effortless and comfortable transport with the light, navigable working carriage, which also serves as a workbench
- Complete pre- and post-processing of pipes
- Easy to maintain machine design
- Die head type R (automatic with integrated oil feed)
- Portable transport frame (standard)

Original RIDGID<sup>1</sup> threading dies can optionally be used!









#### **Technical Data**

Working area	Ø 1/4-2″
Sound pressure level	85 dB
Sound power level (LwA)	96 dB
Power consumption	1,150 W
Rapid reverse speed	38 rpm
Vibration	2.5 m/s <sup>2</sup>
Thread type	BSPP, BSPT R, BSW, Metric, NPT

#### **Pre- and post-processing of pipes**

Self-centering pipe cutter

Precise cuts

Internal deburrer, snap in, 3-blade

Burr-free work

Impact hammer chuck with maximal clamping-force

No pipe slippage

Self-centering rear chuck

Quick and precise alignment of the pipe

#### Easy to maintain machine design

Motor double insulated in accordance with VDE

Safe operation

Stable high torque motor

Constant power transferral

Off-set spindle lubrication

Easy maintenance



Reduced oil consumption, oil coating in pipe interior is avoided



Geared oil pump with filter system and adjustable fluid qualities

Constant oil flow quantities

Large plastic shavings collection trough

Easy to clean

#### **ROPOWER 50 R**

**Set includes:** ROPOWER 50 R, automatic die head 1/2–2" (No. 56052), SS dies BSPT 1/2–3/4" (No. 056370X), 1–2" (No. 056371X), safety foot switch (No. 56335), collapsible stand (No. 56051), tool

Automatic die head with integrated oil feed

Die head type R

Long life of the die heads

**Optimal lubrication and** cooling of the die heads

Long life of the die heads

# Transportation frame (Included in delivery)

Carriage with storage space and a mount for the foot switch

Clearly arranged work

#### Collapsible undercarriage

Comfortable transport



#### With 2 plastic wheels

High mobility

Automatic die head with integrated oil supply



High mobility



Thread roughing



Cost-effective production of grooves



Model	Weight	PU	No.
ROPOWER 50 R BSPT R 1/2–2″, 230 V	88.500 kg	1	1000004212
ROPOWER 50 R BSPT R 1/2–2", 110 V	88.500 kg	1	1000004213
ROPOWER 50 R BSPP R 1/2–2", 230 V	88.500 kg	1	1000004214
ROPOWER 50 R NPT 1/2–2", 230 V	88.500 kg	1	1000004215
Folding trolley	19.200 kg	1	56051

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## **SUPERTRONIC 2 SE / 3 SE / 4 SE**

#### Compact threader Ø 1/4-4"

Reliable and proven for constant professional use

- I deal for portable and stationary threading in the workshop, on-site, for repairs and service, trade and industry, pipeline construction as well as for sanitary and heating installations
- Universal application, with or without stand, i.e. on a workbench

For threading of:

BSPT right, EN 10226, ISO 7-1: Ø 1/4-2" NPT, ASME B1.20.1: Ø 1/4-2" BSPP, ISO 228-1, DIN 259: Ø 1/2-2" BSW, B. S 84: Ø 3/8-2"

Metric, ISO 261, DIN 13: Ø 10-36 mm, Ø 10-24 mm (2 SE)

Can also be used in combination with a roll grooving tool!



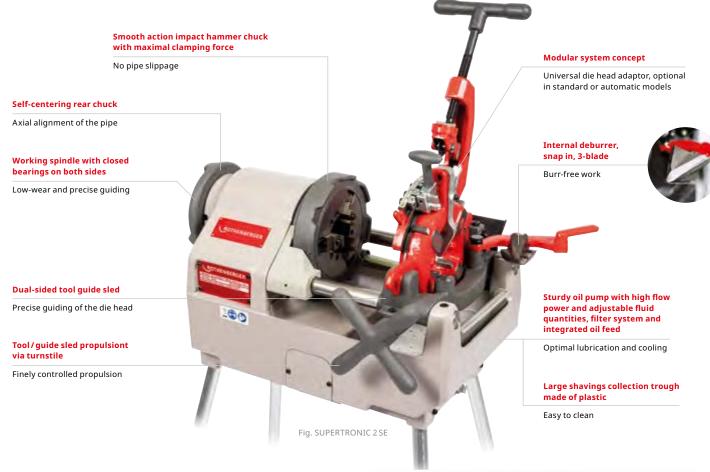






#### **Application Benefits**

- · Universal die head seating (standard or automatic)
- Precise guiding of the die head
- Low-wear and precise guiding
- Fast axial alignment of the pipe
- No pipe slippage due to impact hammer chuck
- Burr-free work



Impact hammer chuck with inter-changeable clamping jaw, optimal clamping properties through flexible adjustment and broad support



Automatic die heads with quick adjustment of thread size, automatic thread length and finely adjustable thread depth without recentering





Threading electric

#### **SUPERTRONIC 2 SE**

#### Compact threader Ø 1/2-2"

Standard die head: 1/2-2" (No. 56156) Automatic die head: 1/2-2" (No. 56266)











Set includes: SUPERTRONIC 2SE, automatic die head 1/2–2 $^{\prime\prime}$  (No. 56165) or automatic die head (No. 56266), SS threading dies 1/2–3/4" (No. 56003), 1–2" (No. 56007), safety foot switch (No. 56335), supporting legs (No. 56488), tool

Model	Weight	PU	No.
SUPERTRONIC 2 SE with standard die head, BSPT R 1/2–2″, 230 V	68.000 kg	1	1500004021
SUPERTRONIC 2 SE with automatic die head, BSPT R 1/2– 2", 230 V	68.000 kg	1	1500004023
SUPERTRONIC 2 SE with automatic die head, NPT 1/2– 2", 110 V	68.000 kg	1	1500004026
SUPERTRONIC 2 SE with automatic die head, NPT 1/2–2″, 230 V	68.000 kg	1	1500004028

#### **SUPERTRONIC 3 SE**

#### Compact threader Ø 1/2-3"

Standard die head: 1/2-2" (No. 56156), 2-3" (No. 56104) Automatic die head: 1/2-2" (No. 56266), 2.1/2-3" (No. 56288)











Set includes: SUPERTRONIC 3 SE, standard die heads 1/2-2" (No. 56156) or automatic die heads (56266), standard die head 2–3" (No. 56104) or automatic die head 2 1/2-3" (56288), SS threading dies 1/2-3/4" (No. 56003), 1-2" (No. 56007), SS threading dies 2-3" (No. 56006), SS threading dies 2 1/2-3" (No. 56489), safety foot switch (No. 56335), supporting legs (No. 56491), tool

Model	Weight	PU	No.
SUPERTRONIC 3 SE with automatic die head, BSPT R 1/2–3″, 230 V	100.000 kg	1	56255
SUPERTRONIC 3 SE with automatic die head, BSPT R 1/2–3″, 230 V, CH	78.500 kg	1	056255Z
SUPERTRONIC 3 SE with standard die head, BSPT R 1/2–3", 110 V	100.000 kg	1	56253
SUPERTRONIC 3 SE with standard die head, BSPT R 1/2–3″, 230 V	100.000 kg	1	56250

#### **SUPERTRONIC 4 SE**

#### Compact threader Ø 1/2-4"

SUPERTRONIC 4 SE with automatic die head















Set includes: SUPERTRONIC 4SE, BSPT automatic die head 1/2-2" (No. 56266), BSPT automatic die head 2 1/2-4" (No. 56289), SS threading dies 1/2-3/4" (No. 56003), SS threading dies 1–2" (No. 56007), SS threading dies 2  $\overline{1/2}$ –4" (No. 56294), safety foot switch (No. 56335), supporting legs (No. 56489), tool

Model	Weight	PU	No.
SUPERTRONIC 4 SE with automatic die head, BSPT R 1/2-4", 230 V	120.000 kg	1	56465
SUPERTRONIC 4 SE with automatic die head, BSPT R 1/2-4", 230 V, CH	143.000 kg	1	056465Z
SUPERTRONIC 4 SE with automatic die head, BSPT R 1/2-4", 110 V	120.000 kg	1	56475
SUPERTRONIC 4 SE with automatic die head, NPT 1/2-4", 230 V	140.500 kg	1	56466

#### **Precision die heads**

For machine types ROPOWER 50 R, PANDA, PISET, SUPERTRONIC 2 S, 2 SE, 3 S, 3 SE, 4 S and 4 SE

#### Standard die heads

- Time saving with a simple and quick change of the threading dies
- User-friendly with the locking positioning which eliminates complicated calibration
- Longer life of the dies with the integrated lubrication
- · Guaranteed consistent cutting oil film on the pipe surface





#### **Automatic die heads**

- Simple and clear operation with the quick-adjustment thread sizes
- Automatic adjustable thread length for serial production
- Flexible work: Each thread size offers individual fine adjustment of the thread depth without recentering dimension change

Please note: The die heads do not include threading dies!

#### Overview die heads / threading dies

Die heads			6000		50R	ROPOWER 50R SUPERTRONIC 2 SE	SUPERTRONIC 3 SE	SUPERTRONIC 4 SE	
		Threading dies			VER	2	2	2	
Thread type	Size	No.	No. Size SS-steel No. HSS-steel for stainl. steel / INOX pipe		ROPOWER 50R	SUPER	SUPERI	SUPERT	
Automatic d	e heads suit	table for	RIDGID1 th	reading di	es				
			1/4-3/8"	56369	56379	•			
BSPT R	1/2-2"	56052	1/2-3/4"	056370X	56380	•			
			1-2"	056371X	N/A	•			
	1/2-2"	56053	1/4-3/8"	56372	N/A	•			
NPT			1/2-3/4"	56373	N/A	•			
			1-2"	56374	N/A	•			
		56054	1/2-3/4"	56058	N/A	•	•	•	•
BSPP			1-2"	56059	N/A	•	•	•	•
Automatic d	e heads suit	table for	ROTHENBE	RGER thre	ading dies				
	1/2-2"	56266	1/2-3/4"	56003	56235	•	•	•	•
BSPT R			1-2"	56007	56236	•	•	•	-
	2.1/2-3"	56288	2.1/2-3"	56291	56237			•	•
	2.1/2-4"	56289	2.1/2-4"	56294	56238				
	1/2-2"	56271	1/2-3/4"	56111	56180		•	•	•
			1-2"	56112	56181		•	•	
NPT	2.1/2-3"	56268	2.1/2-3"	56295	56183			•	,
	2.1/2-4"	56269	2.1/2-4"	56296	N/A				
			3.1/2-4"	N/A	56184				
ROTHENBER	GER standar	d/manu	al die head	s					-
	1/4-3/8"	56153	1/4-3/8"	56001	56135	•	•	•	Ī
	1/2-2"	56156	1/2-3/4"	56003	56235	•	•	•	
BSPT R			1-2"	56007	56236	•	•	•	
	2-3"	56104	2-3"	56006	56121			•	
	3.1/2-4"	56032	3.1/2-4"	56008	56122				
	1/4-3/8"	56118	1/4-3/8"	56110	N/A	•	•	•	,
	1/2-2"	56156	1/2-3/4"	56111	56180	•	•	•	
NPT		- · · · · -	1-2"	56112	56181	•	•	•	
	2.1/2-3"	56104	2.1/2-3"	N/A	N/A			•	1
	1/2-1.1/4"	56076	1/2-3/4"	N/A	N/A	•	•	•	
			1-1.1/4"	N/A	N/A	•	•	•	
BSPP	1.1/2-3"	56077	1.1/2-2"	56097	N/A	_	_	•	
		500.7	2.1/2-3"	56098	N/A			•	H

#### **Precision threading dies**

High material quality and precise workmanship guarantee easy cutting, clean threads and extremely long service life with outstanding chip discharge. Manufactured from high-quality tempered steel (only available in sets 4 or 5 pieces / pack)



Suitable for:

Conical pipe threads – BSPT:

Whitworth pipe threads: ISO 7-1, DIN EN 10226 (DIN 2999)

External pipe threads: conical, 1:16, 55° flank angle

Conical pipe threads – NPT:

Taper pipe threads: ASME B1.20.1

External pipe threads: conical, 1:16, 60° flank angle

Cylindrical pipe threads – BSPP:

Whitworth pipe threads: ISO 228-1, DIN 259 Exterior pipe threads cylindrical, 55° flank angle

For optimal threading results, use only with original ROTHENBERGER cutting fluid or cutting oil



#### Pipe supporting column

Adjustable height, from 780 up to 1,200 mm with ball track. Maximum carrying apacity 120 kg

Pipe supporting column for all working steps during pipe processing. Pipes from R 1/2–6" can be easily and safely brought into the required working position





Model	Weight	PU	No.
Pipe supporting column 6"	5.800 kg	1	56047

#### Pipe roughing wrench

Wrench made of forged steel, with hardened rolls. Consistent, thread-saving roughing of the entire area

For roughing of cylindrical or conical threads up to 2"





Model	Weight	PU	No.
Pipe roughing wrench 3/8–2"	1.150 kg	1	56500
Spare roughing rolls 3 pieces	0.300 kg	1	56501

#### Safety foot switch

#### For all ROTHENBERGER threading machines

For use on ROPOWER 50 R and SUPERTRONIC 2–4 SE threading machines. Safety switch controllable via foot pedal Quick release of the switch by pressing the pedal. Easy unlocking of EMERGENCY STOP by separate switch



Model	Weight	PU	No.
Safety foot switch 3 step with emergency stop switch	2.500 kg	1	56335

#### Internal deburrer with ratchet

Quick and clean deburring For steel pipes, with smoothrunning ratchet, cutting bit made of tempered steel

For steel pipes, with smooth-running ratchet, cutting bit made of tempered steel



Model	Weight	PU	No.
Internal deburrer with ratchet, 13–60 mm (1/4–2″)	2.680 kg	1	70289

#### **NIPPLE MAX**

#### **NIPPLE MAX Ø 1/2-2"**

For the production of short pipe nipples and double nipples, by means of internal clamping. Hardened and ground clamping jaws ensure a secure hold. For all stationary tapping machines

#### **Application Benefits**

- · Recycling pipe scraps saves money, material and time
- Automatic quick grip of the pipe piece without the need for additional tools
- Pipes are gripped from within and centred: no damage to pipe piece









**Set (No. 56056) includes:** nipple chuck 1/2" (No. 56060), 3/4" (No. 56061), 1" (No. 56062), 1.1/4" (No. 56063), 1.1/2" (No. 56064), steel carrying case (No. 26410)

Model	Weight	PU	No.
Nipple chuck 1/2"	0.390 kg	1	56060
Nipple chuck 3/4″	0.500 kg	1	56061
Nipple chuck 1.1/2"	0.920 kg	1	56064
NIPPLE MAX set 1/2–3/4–1–1.1/4–1.1/2″	4.360 kg	1	56056

Roll grooving

#### Hand roll groover 1-12"

Manageable and compact hand roll groover for producing grooves on installed thin- and standard steel pipes up to Ø 1–12" (33–324 mm)

Suitable for installations, sprinkler systems, larger heating units, industrial use and mining

For standard grooves on installed pipes from 1–12"

#### **Application Benefits**

- For pipes from Ø1"
- Quick connection of pipes anywhere where welding is not allowed!
- Easy transportation due to small dimension
- · Adjustable and finely-controlled arrester
- 1/2" ratchet for both adjustmen

#### **Technical Data**

Working area	Ø 1-12″
Drive	Hand

Application on tripod workbench









Model	Weight	PU	No.
Hand Roll Groover 2–6″	12.000 kg	1	1000000212
Pressure roller set 1"	2.000 kg	1	56521
Pressure roller 1.1/4–1.1/2"	2.430 kg	1	56522
Pressure roller set 2-6"	2.000 kg	1	56523
Roller set 2–6″	2.755 kg	1	887307000
Roller set 3-6"	3.100 kg	1	887308000
Roller set 8-6"	2.330 kg	1	887309000
Roller set 1"	0.590 kg	1	1000000720
Roller set 1.1/4-1.1/2"	0.620 kg	1	1000000721
Roller set 2–6"	1.000 kg	1	1000000850
Roller set 4-6"	2.480 kg	1	1000000722
Roller set 8–12″	2.700 kg	1	1000000723

#### **ROGROOVER 1-6"**

Portable rolling groover for steel pipes up to Ø 6" (168 mm) for rapid rolling grooves on standard and thin-walled steel pipes

Suitable for installations, sprinkler systems, larger heading units, industrial use and mining

# Lightweight and compact design allows for use with the threaders:

SUPERTRONIC 2000, SUPERTRONIC 2000 E, SUPERTRONIC 4 SE, SUPERTRONIC 2 SE, SUPERTRONIC 3 SE, ROPOWER 50 R

#### **Application Benefits**

- Quick connection of pipes anywhere where welding isn't allowed
- Long life and little wear
- Easy to transport with the lightweight aluminium casing
- Adjustable and finely-controlled arrester for consistent groove depth
- Convenient, easy and time-saving operation



Model	Weight	PU	No.
for REX 4"	14.500 kg	1	56508
for RIDGID <sup>1</sup> 300	16.000 kg	1	56504
for ROPOWER 50 R, SUPERTRONIC 2 SE, REX 2"	14.500 kg	1	56505

Model	Weight	PU	No.
for SUPERTRONIC 2000	14.500 kg	1	56509
for SUPERTRONIC 3 SE, REX 3"	14.500 kg	1	56506
for SUPERTRONIC 4 SE	14.500 kg	1	56507

Roll grooving

#### **ROGROOVER 1-12"**

# Electro-hydraulic rolling groover for steel pipes Ø 1–12″ (33–324 mm) for rolling grooves

Suitable for installations, sprinkler systems, larger heading units, industrial use and mining

#### **Application Benefits**

- Pressure rollers toolless adjustable due to revolver-button
- Safe working with foot switch and emergency stop switch, as well as lighting in workplace
- · Reliable, powerful 1,500 W motor
- Quick and fine adjustment for groovers and regulation







#### **Technical Data**

Working area	Ø 1–12" (33–324 mm)
Pipe thickness	3-10 mm
Pressure hydraulic cylinder	40 bar
Power	1,500 W
Tank volume	150 ml
Pipe wall thickness	10 mm







Set includes: ROGROOVER machine 1–12″, pipe support stand, drive shaft, 1–1.1/2″, 2–6″ and 8–12″ (No. 1500001709-1711), diameter messuring tape

Model	Weight	PU	No.
ROGROOVER 1–12", 110 V, USA	175.000 kg	1	1500001353
ROGROOVER 1–12", 230 V, EU	175.000 kg	1	1500001351
ROGROOVER 1–12", 230 V, SASO	175.000 kg	1	1500001352





System overview

## Cartridge brazing

SUPER FIRE 3 SUPER FIRE 4 ROFIRE GLOBAL ROFIRE Swivel PRO Cyclone Piezo PRO Twin





**Cartridge soft soldering** 

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Roofing

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Page	174	176	178	178	178
For use with	MAPP <sup>1</sup> gas, Maxigas 400, Multigas 300	MAPP <sup>1</sup> gas, Maxigas 400, Multigas 300	MAPP¹ gas, Maxigas 400, Multigas 300	MAPP¹ gas², Maxigas 400², Multigas 300²	MAPP <sup>1</sup> gas², Maxigas 400², Multigas 300²
Special application	Shrinking, removal of paint	Shrinking, removal of paint	0	0	0
Brazing	up to Ø 28 mm	up to Ø 28 mm	up to Ø 28 mm	up to Ø 18 mm	up to Ø 28 mm
Soft soldering	up to Ø 35 mm	up to Ø 35 mm	up to Ø 35 mm	up to Ø 42 mm	up to Ø 64 mm

	ROFLAME 4 PIEZO	ROFIRE 4/ROFIRE 4 PIEZO	ROOFING Set
Soft soldering	up to Ø 22 mm	up to Ø 22 mm	•
Brazing	0	up to Ø 15 mm	0
Special application	0	0	Bonding of bituminous sheeting
For use with	Supergas C 200	Multigas 300	Propane, butane

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		Cartridges		
	MAPP¹ gas	Maxigas 400	Multigas 300	Supergas C 200 TSS
	MAIT E	NAME OF THE PARTY		Supplies and Suppl
-lame temperature	up to 2,700°C	up to 2,200°C	up to 1,900°C	up to 1,800°C
Application	Soft soldering and brazing	Soft soldering and brazing	Soft soldering	Soft soldering
Valve	7/16″ EU	7/16" EU	7/16″ EU	Pierceable cartridge
Page	180	181	181	181

**Page** 

#### **Brazing and soft soldering devices**

**RE 17** 

ALLGAS 2000 set

ALLGAS 2000 PS 0.5/2 Compact ALLGAS Mobile Pro

**ROXY 400 L** 











Soft soldering	•	•	•	•	•
Brazing	•	•	•	•	•
Welding	0.5–14 mm	0.2–5 mm	0	0	0
Cutting	12–100 mm	0	0	0	0
For use with	Acetylene, oxygen, Maxigas 400	Acetylene, oxygen	Propane, oxygen	MAPP¹ gas, oxygen	Maxigas 400, oxygen
Page	192	188	189	190	191

Су	Cylinder brazing and soft soldering		E-soft soldering
	AIRPROP	TURBOPROP	ROTHERM 2000
		The same of the sa	



Cartridges and cylinders					
	Acetylene	Oxygen			
Application	Brazing, welding, cutting	Brazing, welding, cutting			
Valve	DIN 477-1	M 10 × 1 (one-way) / G 3/4″ RH			
Pressure	19 bar	110 bar (one-way) / 200 bar			
Page	194	194			

#### **Ergonomic HEAVY DUTY brazing tool**

For brazing and soldering up to Ø 28 mm as well as for other applications, e.g. dissolving paint or shrinking hoses

Hard soldering: up to Ø 28 mm

(with flame reflector in wind-protected environment)

Soft soldering: up to Ø35 mm

#### **Application Benefits**

- Fast heating, less consumption!
- Long service life
- "Twist 'n' Load" system (5 different burners)—change burners with one handle
- Exact flame adjustment

**Burners with swirl flame** Rapid heat-up, less consumption!

- Up to 2.5 hours brazing with one cartridge
- Comfort for longer working (locking knob)
- Reliable piezo ignition (up to 30,000 ignitions)
- Double safety, as No. gas escape without locking the torch (piezo ignition)

**Elaborately manufactured** brass/stainless steel design

Long service life









#### **Technical Data**

Coupling	7/16" EU
Handle	Aluminium, bolted
Burner	Brass/stainless steel

#### "Twist 'n' Load'

#### Fast "Twist 'n' Load" system

Exchange of the burners with one movement (5 different burners available)

#### Fine regulating valve

Precise flame adjustment

#### **Ergonomically designed handle**

Robust and optimum handling made of high-quality aluminium



#### High-performance piezo

Only ignites if burner has

been securely locked

**Dual safety** 

Reliable (up to 30,000 ignitions)

#### **Locking button**

Continual use with only one hand

#### **ROTHENBERGER MAPP<sup>1</sup>** gas

Up to 2.5 hours of brazing with one cartridge

Brazing in gas installation



High flame temperature based on cyclone swirl



Brazing in refrigeration / air-conditioning technology



#### Pin-point burner (460°C)

For fine soldering; precise and stable flame



#### Standard burner (700°C)

For soft soldering and other jobs with lower heat application; precise, powerful and stable flame



#### Cyclone burner (950°C)

For hard and soft soldering with an efficient swirl flame (allows pipe to heat up evenly)



#### Hot air burner (400°C)

For the removal of paint and for shrinking work up to approx. 80 mm diameter; wind-stable, powerful current of hot airpowerful, wind-stable soft flame



#### Shrinking burner (720°C)

For shrinking up to Ø 300 mm and for heating; powerful, wind-stable soft flame



#### **SUPER FIRE 3 HOT BOX**

#### **Application Benefits**

- The ideal service kit
- For repairs, heating installations and refrigeration/ air-conditioning technology







**5-part set (No. 1000002369) includes:** handle (No. 35445), cyclone burner (No. 35457), pin-point burner (No. 35455), flame reflector (No. 31043), universal torch support (No. 35461), 2 × MAPP¹ gas A cartridges (No. 035521-A), ROCASE 4414 (No. 1000001945)

Model	Weight	PU	No.
SUPER FIRE 3 HOT BOX EU incl. MAPP <sup>1</sup> gas A	4.270 kg	1	1000002369
SUPER FIRE 3 HOT BOX EU incl. MAPP <sup>1</sup> gas B	4.165 kg	1	1000002370
SUPER FIRE 3 HOT BOX EU incl. MAPP <sup>1</sup> gas C	4.165 kg	1	1000002371

#### **SUPER FIRE 3**

Set (No. 35436) includes:

handle (No. 35445), cyclone burner (No. 35457)

# When placing your order, remember to order the universal torch support (No. 35461) for stationary soldering, too!

Model	Weight	PU	No.
SUPER FIRE 3 with cyclone burner 7/16″ EU	0.550 kg	1	35436
SUPER FIRE 3 with cyclone burner 1″ US	0.700 kg	1	35431
SUPER FIRE safety adaptor 7/16″ to 1″	0.102 kg	1	035648X







No. 35436









No. 45252



No. 45268



No. 45220

No. 31050

Solder

**Accessories** 

Welding blanket

No. 854186

Internal brushes for copper pipes

No. 40212

**Page** 

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No. 31050 854186 40212



## **SUPER FIRE 4**

#### **Ergonomic professional soldering tool**

For hard soldering up to Ø 28 mm and soft soldering up to Ø 35 mm as well as for other applications, such as dissolving paint or shrinking hoses

Hard soldering: up to Ø 28 mm

(with flame reflector in wind-protected environment)

Soft soldering: up to Ø35 mm

#### **Application Benefits**

- Fast heating of the material, less consumption!
- "Twist 'n' Load" system (5 different burners)—Replacing the burner with just one handle.
- · Precise flame adjustment
- Improved locking mechanism for one-handed use
- Reliable piezo ignition (up to 30,000 ignitions)
- Double safety, No. gas leakage without locking the burner (piezo ignition)
- Longer handle for even more stable positioning on the gas cartridge









#### **Technical Data**

Coupling	7/16" EU
Handle	Plastic, rubberized
Burner	Brass/stainless steel

#### "Twist 'n' Load"

#### Fast "Twist 'n' Load" system

Exchange of the burner with one movement (5 different



Brazing in refrigeration / air-conditioning technology



High flame temperature based on cyclone swirl



Brazing in refrigeration / air-conditioning technology



#### Pin-point burner (460°C)

For fine soldering; precise and stable flame



#### Standard burner (700°C)

For soft soldering and other jobs with lower heat application; precise, powerful and stable flame



#### Cyclone burner (950°C)

For hard and soft soldering with an efficient swirl flame (allows pipe to heat up evenly)



#### Hot air burner (400°C)

For the removal of paint and for shrinking work up to approx. 80 mm diameter; wind-stable, powerful current of hot airpowerful, wind-stable soft flame



#### Shrinking burner (720°C)

For shrinking up to Ø 300 mm and for heating; powerful, wind-stable soft flame



#### **SUPER FIRE 4 HOT BOX**

#### **Application Benefits**

- The ideal service kit
- For repairs, heating installations and refrigeration/ air-conditioning technology





5-part set (No. 1000002364) includes: handle (No. 1500001354), cyclone burner (No. 35457), pin-point burner (No. 35455), flame reflector (No. 31043), universal torch support (No. 35461), 2 × MAPP¹ gas A cartridges (No. 035521-A), ROCASE 4414 (No. 1000001945)

Model	Weight	PU	No.
SUPER FIRE 4 HOT BOX EU incl. MAPP¹ gas A	4.055 kg	1	1000002364
SUPER FIRE 4 HOT BOX EU incl. MAPP¹ gas B	3.965 kg	1	1000002366
SUPER FIRE 4 HOT BOX EU incl. MAPP¹ gas C	4.095 kg	1	1000002368
SUPER FIRE 4 HOT BOX US incl. MAPP <sup>1</sup> gas US	4.055 kg	1	1000001630

#### **SUPER FIRE 4**

Set (No. 1500001355) includes:

handle (No. 1500001354), cyclone burner (No. 35457)

## When placing your order, remember to order the universal torch support (No. 35461) for stationary soldering, too!

Model	Weight	PU	No.
SUPER FIRE 4 with cyclone burner 7/16″ EU	0.400 kg	1	1500001355
SUPER FIRE 4 with cyclone burner 1″ US	0.370 kg	1	1500001503
SUPER FIRE safety adaptor 7/16" to 1"	0.102 kg	1	035648X







No. 1500001355













No. 31050

No. 854186

No. 40212

No. 4

No. 45252

No. 45268

No. 45220

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Accessories	Page	No.
Fittings solder	199	45252
ROVLIES cleaning pads	196	45268
ROSOL soldering paste	199	45220

Cartridge brazing / soft soldering

#### **ROFIRE GLOBAL**

#### Ergonomic torch for brazing and soft soldering applications

Brazing: up to Ø 28mm

(with flame reflector in wind-protected environment)

**Soft soldering:** up to Ø 35 mm

#### **Application Benefits**

- Powerful cyclone torch for efficient brazing up to Ø 28 mm
- Ideal with MAPP<sup>1</sup> gas: up to 2.5 hours of brazing with only one cartridge
- Piezo ignition for comfortable and safe work
- Protection against triggering of the Piezo ignition when falling down

Model	Weight	PU	No.
ROFIRE GLOBAL, 7/16" EU	0.250 kg	1	1500002869



#### **ROFIRE SWIVEL PRO Cyclone Piezo**

#### Cyclone burner with piezo ignition

Coupling: 1" US Brazing: up to Ø 18 mm Soft soldering: up to Ø42 mm





Hot



Model	Weight	PU	No.
ROFIRE SWIVEL PRO cyclone piezo	0.400 kg	1	35016

#### ROFIRE SWIVEL PRO Twin

#### Twin cyclone burner

Coupling: 1" US Brazing: up to Ø 28 mm Soft soldering: up to Ø 64 mm







Model	Weight	PU	No.
ROFIRE SWIVEL PRO Twin	0.400 kg	1	35012

#### **ROFLAME 4 PIEZO**

#### Ergonomic soft soldering torch for a safe and comfortable usage

Soft soldering: up to Ø 22 mm

#### **Application Benefits**

- Integrated preheating function for optimum flame pattern, even in overhead applications (360°)
- Robust metal housing for C 200 cartridges
- 2-component design made of rubberized plastic for excellent ergonomics and handling
- Reliable piezo ignition (up to 30,000 ignitions)
- · Precise adjustment of the burner flame

#### **Technical Data**

Coupling	Pierceable connection (C 200 cartridges)
Handle	Plastic, rubberized
Burner	Brass / stainless steel
Housing	Inox burner, 2-component rubber-plastic handle, metal cartridge housing









Model	Weight	PU	No.
ROFLAME 4 PIEZO without gas cartridge	0.630 kg	1	1000002358



Cartridge soft soldering

#### **ROFIRE 4**

#### Ergonomic soft soldering torches for safe and comfortable use

Hard soldering: up to Ø 15 mm Soft soldering: up to Ø 22 mm

#### **Application Benefits**

- Integrated preheating function for optimum flame pattern even in overhead applications (360°)
- · Precise adjustment of the burner flame

#### **Technical Data**

Coupling	7/16″ EU
Handle	Plastic
Burner	Brass/stainless steel

Model	Weight	PU	No.
ROFIRE 4 without gas cartridge	0.300 kg	1	1500002921
ROFIRE 4 incl. Multigas 300	0.750 kg	1	1000002359









#### **ROFIRE 4 PIEZO**

#### Ergonomic soft soldering torches for safe and comfortable use

**Hard soldering:** up to Ø 15 mm **Soft soldering:** up to Ø 22 mm

#### **Application Benefits**

- Integrated preheating function for optimum flame pattern, even for overhead applications (360°)
- 2-component design made of rubberized plastic for excellent ergonomics and handling
- Reliable piezo ignition (up to 30,000 ignitions)
- Precise adjustment of the burner flame

#### **Technical Data**

Coupling	7/16" EU
Handle	Plastic, rubberized
Burner	Brass / stainless steel

## Stainless steel burner with preheat function

Applicable in any position, even overhead (360°)

Integrated pre-heat function for a stable flame, even when turning it upside down (360°)



Soft soldering in drinking water and heating installation





Model	Weight	PU	No.
ROFIRE 4 PIEZO without gas cartridge	0.300 kg	1	1500002922
ROFIRE 4 PIEZO incl. Multigas 300	0.750 kg	1	1000002360

#### **Application Benefits**

- Excellent heat transfer, faster than propane, even in winter below 0 °C.
- Increased safety and stability thanks to solid valve and protective collar
- Provides high flame output in any position, even overhead (360°)
- Easy handling
- · Guarantees constant high burning performance
- Longer operating time



Patented design for high pressure gases

#### **Protection collar**

Stabilizes the burner on the bottle and protects in case of accidental drop

#### 100 % propylene

Excellent flame performance, even in overhead applications. Higher heat transfer than propane

#### Steel cylinder

High stability, especially for high pressure gases







Protective collar stabilizes the torch and protects against accidental drops

Model	Weight	PU	No.
MAPP <sup>1</sup> gas 7/16″ EU, version A Languages: DE, GB, FR, ES, IT, PT	0.900 kg	12	035521-A
MAPP <sup>1</sup> gas 7/16″ EU, version B Languages: DK, NL, SE, FI, FR, RUS	0.900 kg	12	035521-В
MAPP <sup>1</sup> gas 7/16″ EU, version C Languages: CZ, PL, HU, BG, TR, RO	0.900 kg	12	035521-C







SUPER FIRE 4 HOT BOX (see page 177)

#### Packaging profile

rackaging prome	
Model	MAPP <sup>1</sup> gas
No.	035521-A
EAN code	4004625400180
Product size (mm) (W×H)	70×270
Contents (ml)	800
Weight (g)	400
Unit per box	12
Boxes per layer / pallet	10
Layer per pallet	3
Units per pallet	360
Number of pallets per truckload	60
Units per truckload	21,600
Pallet weight (kg)	324
Pallet size (mm) (L × W × H)	800 × 1,200 × 1,000
Carton size (mm) (L×W×H)	290×310×240

# Maxigas 400

High-performance welding, cutting and brazing gas for flame temperatures up to 2,200 °C. Gas cartridge with 7/16″ EU coupling thread.







#### **Packaging profile**

Model	Maxigas 400
No.	035570-A/-B
EAN code	4004625355701 (A)
Product size (mm) (W×H)	65×260
Contents (ml)	600
Weight (g)	352
Unit per box	24
Boxes per layer / pallet	9
Layer per pallet	3
Units per pallet	648
Number of pallets per truckload	60
Units per truckload	38,880
Pallet weight (kg)	195
Pallet size (mm) (L×W×H)	800 × 1,200 × 1,000
Carton size (mm) (L × W × H)	405×272×264

# **Multigas 300**

Propane / butane gas mixture for flame temperatures up to 1,900 °C. Gas cartridge with 7/16″ EU connection thread.





#### **Packaging profile**

Model	Multigas 300
No.	035510-A/-B
EAN code	4004625355107 (A)
Product size (mm) (W×H)	65×260
Contents (ml)	600
Weight (g)	338
Unit per box	24
Boxes per layer / pallet	9
Layer per pallet	3
Units per pallet	648
Number of pallets per truckload	60
Units per truckload	38,880
Pallet weight (kg)	191
Pallet size (mm) (L × W × H)	800 × 1,200 × 1,000
Carton size (mm) (L×W×H)	405×272×264

# **Supergas C 200 TSS**

Butane piercing cartridge with propane content also for working at low temperatures. Manufactured according to EN 417:2012, with integrated Top Safe System (TSS). This system largely retains escaping gas when disconnecting from the device.





# **Packaging profile**

Model	C 200 TSS
No.	035901-A/-B
EAN code	4004625390627 (A)
Product size (mm) (W×H)	90×95
Contents (ml)	330
Weight (g)	190
Unit per box	36
Boxes per layer / pallet	9
Layer per pallet	3
Units per pallet	972
Number of pallets per truckload	60
Units per truckload	58,320
Pallet weight (kg)	350
Pallet size (mm) (L×W×H)	800 × 1,200 × 1,180
Carton size (mm) (L×W×H)	360×275×280



**AIRPROP** brazing set

#### Propane high-performance torch for brazing up to Ø 22 mm and soft soldering up to Ø 54 mm

For brazing and soft soldering of copper and steel pipes up to 2,000°C without oxygen, as well as warming up, shrinking and flame cleaning

#### **Application Benefits**

- · Bundled, concentrated and hot flame due to built-in gas turbine in brazing burner
- Absolutely gas-tight due to optimized valve technology
- Gas-saving operation due to smooth-running economy valve
- Quick replacement of burners without tools













#### **Technical Data**

Self-induced air	Turbine and combustion chamber
Torch	Surface treated, chromed brass
Hose coupling	G 3/8″LH



Sets include: safety handle with push-in coupling (No. 211121116), brazing burner with push-in nipple Ø 14 mm (No. 221131416) / Ø 16 mm (No. 221131616) / Ø 19 mm (No. 221131916), propane hose, 2.5 m with 3/8" LH coupling (No. 32201), safety igniter (No. 32077), replacement flints (No. 32088), open-ended spanner (No. 32073), steel case (No. 31005)

Model	Weight	PU	No.
AIRPROP brazing set without propane regulator	2.800 kg	1	31092
AIRPROP brazing set with propane regulator (No. 32081)	3.100 kg	1	31091

# **Brazing burner with threaded coupling**

Ø mm	Length mm	g/h 2 bar	kWh-kcal-BTU	Weight	No.
14	140	125	1.60-1,375-5,465	0.095 kg	30913
16	145	180	2.30-3,300-7,885	0.100 kg	30914
19	170	300	3.84-3,300-13,115	0.130 kg	30915
22	171	400	5.12-4,440-26,195	0.145 kg	30916

# Brazing burner with push-in nipple coupling

Ø mm	Length mm	g/h 2 bar	kWh-kcal-BTU	Weight	No.
14	140	125	1.60-1,375-5,465	0.095 kg	221131416
16	145	180	2.30-3,300-7,885	0.100 kg	221131616
19	170	300	3.84-3,300-13,115	0.130 kg	221131916
22	171	400	5.12-4,440-26,195	0.145 kg	221132216

#### **TURBOPROP** brazing set

# Propane high-performance torch for brazing up to Ø 28 mm and soft soldering Ø 54 mm

For brazing and soft soldering of copper and steel pipes up to  $2,200\,^{\circ}\text{C}$  without oxygen, as well as for warming up, shrinking and flame cleaning

#### **Application Benefits**

- Bundled, concentrated and hot flame due to built-in gas turbine in brazing burner
- Absolutely gas-tight due to optimized valve technology
- · Gas-saving operation due to smooth-running economy valve
- Quick replacement of burners without tools





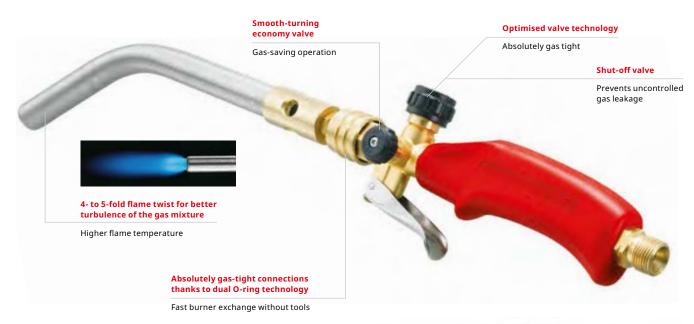






#### **Technical Data**

Self-induced air	Turbine and combustion chamber
Torch	Surface treated, chromed brass
Hose coupling	G 3/8″LH







Model	Weight	PU	No.
TURBOPROP brazing set without propane regulator	2.800 kg	1	31090
TURBOPROP brazing set with propane regulator (No. 32081E)	3.100 kg	1	31094



# Brazing burner with push-in nipple coupling

Ø mm	Length mm		kWh-kcal-BTU	Weight	No.
12	175	110	1.41-1,210-4,815	0.090 kg	31032
15	195	180	2.30-1,980-7,855	0.110 kg	221031500
18	230	240	3.07-2,640-10,485	0.160 kg	221031800

# Cylinder soft soldering

#### **ROOFING** set

#### Propane heating torch with Ø63 mm high performance torch head

Ideal for roofing and asphalting work and for bonding bitumen membranes, large-scale weed flaming, thawing, insulating, shrinking, drying and heating.

#### **Application Benefits**

- Large working range due to 5 m propane hose
- Efficient working even in adverse weather conditions due to flame stabilizer
- High-performance burner with long service life due to chrome plating and edge reinforcement









#### **Technical Data**

600 mm burner tube **Burner support** 





Ideal for roofing and asphalt work

included!



 $600\,mm$  burner tube with support and 5 m propane hose



**5-part set (No. 30954) includes:** propane handle (No. 215111216), 63 mm highperformance torch (No. 223216300), 600 mm torch pipe (No. 236010000), 5 m propane hose (No. 32203), torch support (No. 252010000)

Model	Weight	PU	No.
ROOFING set	1.920 kg	1	30954
ROOFING set (as No. 30954, with pressure regulator No. 30925)	2.300 kg	1	30957

#### **Extensions**

Special tube, chrome-plated, bent 40°, inlet M 14×1, outlet M 20 × 1



Model	Weight	PU	No.
Extension 100 mm	0.090 kg	1	231010000
Extension 200 mm	0.120 kg	1	232010000
Extension 350 mm	0.190 kg	1	233510000
Extension 600 mm	0.290 kg	1	236010000

## **Surface-heating burner heads**

Highly efficient torch heads with flame stabilizer, made of chrome-plated special steel, edge-reinforced. For heating, shrinking, insulating, hardening, general repair work and much more. Threaded connection M 20 × 1. The closed heating torch heads are insensitive to wind.



Ø mn	Lengtl n mm	_	kWh-kcal-BTU	Weight	No.
оре	en				
51	112	3,800	48.60-41,800-165,970	0.270 kg	223090716
63	138	6,700	85.70-73,700-292,670	0.440 kg	223090916
clo	sed				
45	102	2,500	32.00-27,500-109,280	0.240 kg	223214500
51	112	3,800	48.60-41,800-165,970	0.270 kg	223215100
57	126	5,500	70.35-60,500-240,257	0.350 kg	223215700
63	138	6,700	85.70-73,700-292,670	0.440 kg	223216300

# Safety propane handles

With economy, regulating and shut-off valve, hose connection G  $3/8^{\prime\prime}LH$ 



No.
211121116
211111116
30102



# **Propane regulators**

Brass, for 0.5 kg, 5 kg and 11 kg bottles

Inlet	Outlet	Working pressure bar	Perform- ance kg/h	No.
W 21.8 × 1/14" LF	1 G3/8″LH	0.5-4.0	8	32081
G 3/8″LH	G3/8″LH	0-6	8	242206000
W 21.8 × 1/14" LF	1 G3/8″LH	4	8	30925



# **Propane hoses**

Top quality, with strong insert, resistant and flexible, fully assembled with grommets and union nuts, up to 20 bar (2 MPa).

Length mm	Inlet	Outlet	Standard	Interior-Ø mm Wall thickness	No.
2	G3/8″LH	M 10 × 1 LH	ISO 3821	4.0×3.5	30927
2.5	G3/8″LH	G 3/8″LH	ISO 3821	4.0×3.5	32201
5	G3/8″LH	G 3/8″LH	ISO 3821	4.0×3.5	33310
10	G3/8″LH	G 3/8″LH	EN 1327	5.0×3.5	32223



# **Refilling adaptor**

For filling 0.425 kg small propane cylinders from 3 kg, 5 kg or 11 kg propane gas cylinders

Inlet	Outlet	Weight	PU	No.
W 21.8 × 1/14" LH	G 3/8″LH	0.160 kg	1	32207



# **Propane steel cylinder**

With cylinder valve, according to TRG with TÜV test, protective collar and hook included in delivery

Model	Outlet	Content	Weight	PU	No.
Small cylinder 0.425 kg, with foot	G 3/8″LH	Empty	2.750 kg	1	33079
Protective collar fo	or No. 330	79	0.276 kg	1	35636



# **Electric soft soldering**

#### **ROTHERM 2000**

#### Electric soft soldering unit up to Ø54 mm/2.1/8"

For simple, safe and time-saving soft soldering without flame. Particularly suitable for repair and conversion work in rooms or apartments at risk of fire and in the renovation of old buildings.

Soft soldering of copper tubes up to: Ø 6-54 mm, 1/4-2.1/8"

#### **Application Benefits**

- Soldering without open flame
- Large working radius also for working below ceilings
- Comfortable transport and working
- High power, short soldering times
- Automatic shutdown in case of overload
- No overheating of the handle
- · No need to purchase and transport gas cylinders
- Complies with transport regulations
- Connection to any 230 V socket, 2 m connection cable
- · Fast device amortization
- Mains control lamp (red) and working control lamp (green), device fuse accessible from the outside











#### **Technical Data**

Power	2,000 W
Soldergun cable	4 m
Dimensions (L×W×H)	260×190×200 mm

Soldering without open flame!



# **ROTHERM 2000 set**

Set (No. 36702) includes: ROTHERM 2000 soft soldering unit, 230 V (No. 36700), ROSOL 3 fittings soldering paste (No. 45225), fitting solder 3 (No. 45255), ROVLIES (No. 45268), internal brushes 12 mm (No. 854181)/15 mm (No. 854183)/18 mm (No. 854185)/22 mm (No. 854186)/28 mm (No. 854187), steel case

Particularly suitable for repair and modification work in surroundings or rooms with a fire hazard, as well as in building refurbishment!

Warming up of the soldering joint without open flame



Rod electrodes for working near to the wall or between parallel running pipes with narrow gaps (can be ordered separately)



Rod electrodes with holder (pair)















Fig. similar

Model	Weight	PU	230 V 50 / 60 Hz
ROTHERM 2000 basic unit	13.600 kg	1	36700
ROTHERM 2000 set	17.800 kg	1	36702
Steel case	3.500 kg	1	1300007335

Flat electrode

No. 45220

36710















No. 854186

Accessories	Page	No.
ROVLIES cleaning pads	196	45268
ROSOL soldering paste	199	45220
Fittings solders	199	45252
Internal brushes for copper pipe	197	854186

## **ALLGAS 2000 set**

#### Universal oxyacetylene soldering and welding torch

The ideal soldering and welding torch for plumbers, heating engineers, refrigeration/air conditioning technicians, the automotive trade and for tinsmiths.

**Soldering range:** Up to 2.5 mm material thickness

Welding range: 0.2-5 mm

**Applicable with fuel gases:** Acetylene with oxygen, propane with oxygen, natural gas with oxygen, town gas with oxygen

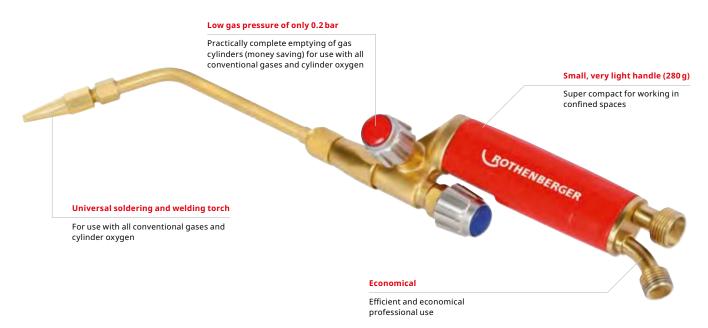






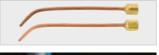
#### **Application Benefits**

- Universally applicable with all common fuel gases and cylinder oxygen
- Almost residue-free emptying of gas cylinders (cost-saving)
- Handy and compact for working in hard-to-reach places
- Economical and cost-effective for professional use



Model

#### Flexible pipe welding attachments



Safe and quick flame positioning



rispersion burners for warming up





ALLGAS 2000 set

Fig. similar

17-part set (No. 35300) includes: handle (No. 35303), mixing burners with union nut (No. 35304), welding tips 0.2-1.0 mm (No. 35305)/1.0-2.0 mm (No. 35306)/2.0-3.0 mm (No. 35307)/3.0-4.0 mm (No. 35308)/4.0-5.0 mm (No. 35309), flexible welding tips size 1 (No. 35313)/size 2 (No. 35314), coupling / union nut size 14 (No. 35315), dispersion burners (No. 35311), 2.5 m dual-hose package (No. 35221), open-ended spanner size 14 × 19 mm (No. 32073), welding tip holder/spanner (No. 35312), safety igniter (No. 32077), replacement flints (No. 32088), steel case (No. 35319)

**Coupling Coupling** 

fuel gas

oxygen

Weight

No.

		_		
ALLGAS 2000 set (acet	ylene)		3.100 kg	35300
ALLGAS 2000 handle	G 1/4" RH	G 3/8″LH	0.280 kg	35303
Mixing burners with u	nion nut		0.040 kg	35304
Model	Weld	ling range mm	Weight	No.
Welding tip size 1		0.2-1	0.010 kg	35305
Welding tip size 2	,	1.0-2.0	0.010 kg	35306
Welding tip size 3	2	2.0-3.0	0.010 kg	35307
Welding tip size 4	3	3.0-4.0	0.010 kg	35308
Welding tip size 5	4	1.0-5.0	0.010 kg	35309
Welding tip holder, car	n be used a	s a spanner	0.020 kg	35312
Flexible welding tip siz	ze 1 2	2.0-3.0	0.040 kg	35313
Flexible welding tip siz	ze 2 4	1.0-5.0	0.040 kg	35314
Coupling/union nut si	ize 14		0.010 kg	35315



#### ALLGAS 2000 PS 0,5/2 Compact

#### Portable brazing equipment with carrying frame

For brazing iron, steel, sheet steel, pipes and non-ferrous metals

#### **Application Benefits**

- Secure transport in closed supporting frame
- Portable, light brazing equipment
- Ideal for mobile building-site and repair use
- Small propane cylinders can be refilled

#### **Technical Data**

Gas	Propane and oxygen
Flame temperature	3,100°C
Working temperature	1,300°C

# With safety devices to prevent flashbacks

24-part set (No. 35655) includes: ALLGAS 2000 handle (No. 35303), propane hose, 2.5 m (No. 32201), oxygen hose, 2.5 m (No. 35210), propane regulator adjustable 0-6 bar (No. 242206000), oxygen pressure reducer 10 bar (No. 35364), mixing burners with union nut (No. 35304), welding tips 0.2–1.0 mm (No. 35305)/1.0–2.0 mm (No. 35306)/2.0–3.0 mm (No. 35306)/2.0–4.0 mm (No. 35308)/4.0–5.0 mm (No. 35309), flexible welding tips size 1 (No. 35313)/size 2 (No. 35314), dispersion burners (No. 35311), welding tip holder/spanner (No. 35312), multi-size spanner (No. 35738), safety igniter (No. 32077), replacement flints (No. 32088), nylon safety goggles (No. 540620), small propane cylinder 0.425 kg, empty (No. 33079), steel oxygen cylinder 2.01, full (No. 35635), oxygen safety device (No. 1000000633), carrying frame (No. 35629)

Model	Weight	PU	No.
ALLGAS 2000 PS 0,5/2 Compact set	21.400 kg	1	35655
Carrying frame without accessories	10.300 kg	1	35629















Carrying comfort





# **ALLGAS 2000 welding tips**

For brazing iron, steel, sheet steel, pipes and non-ferrous metals

Model	Welding range mm	Weight	No.
Welding tip size 1	0.2-1	0.010 kg	35305
Welding tip size 2	1.0-2.0	0.010 kg	35306
Welding tip size 3	2.0-3.0	0.010 kg	35307
Welding tip size 4	3.0-4.0	0.010 kg	35308
Welding tip size 5	4.0-5.0	0.010 kg	35309
Welding tip holder, can be	used as a spanner	0.020 kg	35312



Welding tips, thread M8×1



No. 35309







No. 35312

# Flexible pipe welding attachments

Model	Welding range mm	Weight	No.
Flexible welding tip size 1	2.0-3.0	0.040 kg	35313
Flexible welding tip size 2	4.0-5.0	0.040 kg	35314
Coupling/union nut size 1	4	0.010 kg	35315



# **ALLGAS Mobile Pro**

#### Mobile brazing machine with safety devices

For brazing copper, brass, aluminum, iron, steel, sheet metal, pipes and non-ferrous metals

#### **Application Benefits**

- Mobile soldering set with a weight of less than 6 kg incl. cartridges
- High quality safety devices for both cartridges to prevent flame flashback

 MAPP<sup>1</sup> gas pressure regulator with adjustment range 0-2 bar for constant, low consumption and efficient flame adjustment



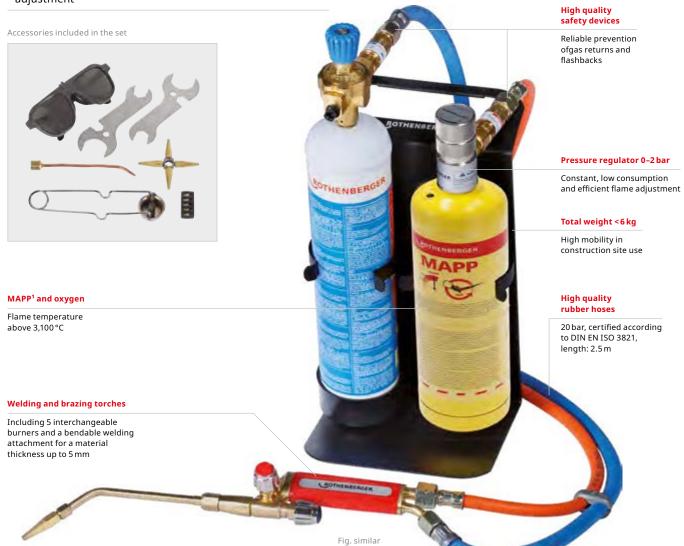








Gas	MAPP¹ gas with oxygen
Flame temperature	over 3,100 °C
Working temperature	1,300°C



Model	Weight	PU	No.
ALLGAS Mobile Pro 1″ US without cartridges	3.860 kg	1	1000000529
ALLGAS Mobile Pro 1″ US with cartridges	5.950 kg	1	1000000743
ALLGAS Mobile Pro 7/16" EU without cartridges	3.860 kg	1	1000000642
ALLGAS Mobile Pro 7/16″ EU with cartridges	5.700 kg	1	1000000558

Model	Weight	PU	No.
MAPP¹ gas 1″ US, 750 ml	0.900 kg	12	35698
MAPP <sup>1</sup> gas 7/16″ EU, 800 ml	0.900 kg	12	035521-A
Oxygen, disposable, 950 ml, 110 bar	1.330 kg	12	35750
Pressure regulator 1″ US for MAPP¹/LPG	0.380 kg	1	1000000620
Pressure regulator M10 × 1 for oxygen	0.350 kg	1	1000000629

#### ALLGAS 2000 PS 0,5/2 Basic

#### Portable fitter's brazing equipment

For brazing iron, steel, sheet steel, pipes and non-ferrous metals

#### **Application Benefits**

- · Compact and handy construction for mobile building-site and repair use
- · Job compatible combination, assembled and ready to use

18-part set (No. 35651) includes: ALLGAS 2000 handle (No. 35303), propane hose, 2.5 m (No. 32201), oxygen hose, 2.5 m (No. 35210), propane regulator adjustable 0-6 bar (No. 242206000), oxygen pressure reducer 10 bar (No. 35634), mixing burners with union nut (No. 35304), welding tips 0.2–1.0 mm (No. 35305)/1.0– 2.0 mm (No. 35306)/2.0-3.0 mm (No. 35307)/3.0-4.0 mm (No. 35308)/4.0-5.0 mm (No. 35309), welding tip holder/spanner (No. 35312) multi-size spanner (No. 35738), safety igniter (No. 32077), replacement flints (No. 32088), steel oxygen cylinder 2.01,  $filled \, (No.\, 35635), \, propane \, cylinder \, 0.5 \, kg, \, empty \, (No.\, 33079), \, ALLGAS \, stand$ (No. 35628)

Model	Weight	PU	No.
ALLGAS 2000 PS 0,5/2 Basic set	14.400 kg	1	35651















#### **ROXY 400 L Set**

#### Standard gas-welding equipment for flame temperatures up to 3,100 °C

For brazing copper, brass, aluminum, iron, steel, sheet metal, pipes and non-ferrous metals

19-part set (No. 035780X) includes: handle with fine regulating valve (No. 35580), Maxigas 400 (No. 035570-A), oxygen cylinder 2.01 (No. 35635), fine regulating valve (No. 263003700), oxygen pressure 10 bar (No. 35634), hose set, 3 m without handle (No. 35785), oxygen blowback protection (No. 1000000633), gas blowback protection (No. 35691), mixing burners with union nut (No. 35587), high-performance tips 1.5 mm (No. 263005600)/2.0 mm (No. 263005400), micro-tips 0.3 mm (No. 35712)/0.5 mm (No. 35696)/0.7 mm (No. 35713), micro-tip adaptor (No. 35585), welding goggles A5 (No. 35621), safety igniter (No. 32077), multi-size spanner (No. 35738), carrying frame (No. 35727)

Model	Weight	PU	No.
ROXY 400 L complete	10.800 kg	1	035780X
ROXY 400 L without oxygen	6.000 kg	1	35782
Welding-handle M14×1	0.120 kg	1	35580
Dual hose set 3 m	0.950 kg	1	35785
Micro-tip adaptor	0.010 kg	1	35585
Micro-tip 0.3 mm	0.010 kg	1	35712
Micro-tip 0.4 mm	0.010 kg	1	35695
Micro-tip 0.5 mm	0.020 kg	1	35696
Micro-tip 0.6 mm	0.020 kg	1	35697
Micro-tip 0.7 mm	0.020 kg	1	35713
High-performance tip 0.7 mm	0.060 kg	1	263005800
High-performance tip 1.5 mm	0.040 kg	1	263005600
High-performance tip 2.0 mm	0.040 kg	1	263005400

Space saving storage in service vehicles!













The bottle colors shown are without obligation! Fig. similar

Assembly, welding, cutting and brazing machine Welding range: 0.5-14 mm, cutting range 12-50 mm

#### Including gas cylinders and dual-telescoping transport trolley!

RE 17 three-gas system AMS 5/5

27-part set (No. 35400) includes: handle with coupling nut (No. 35324), welding attachments 0.5–1.0 mm (No. 35325)/1.0–2.0 mm (No. 35326)/2.0–4.0 mm (No. 35327)/4.0-6.0 mm (No. 35328)/6.0-9.0 mm (No. 35329)/9.0-14.0 mm (No. 35334), wing-lever cutting attachment (No. 35338), cutting tips 12–25 mm (No. 35341) / 25–50 mm (No. 35344), heating burners 12–100 mm (No. 35339), dual hoses A/O, 5 m (No. 35222), acetylene pressure reducer 1.5 bar (No. 35794), oxygen pressure reducer 10 bar (No. 35634),  $2 \times red$  (No. 511428)  $/2 \times blue$  protective rubber caps (No. 511427),10 piece burners cleaning set (No. 510105), torch spanner (No. 510106), safety igniter (No. 32077), replacement flints (No. 32088), acetylene cylinder 5 I, filled (No. 35178), oxygen cylinder 5 I, filled (No. 35188), Maxigas 400 (No. 035570-A), gas regulating valve Maxigas (No. 1300003161), hose adaptor Maxigas (No. 35491), steel case (No. 35800), dualtelescoping transport trolley (No. 35354)

Model	Weight	PU	No.
RE 17 three-gas system AMS 5/5	50.000 kg	1	35400















The bottle colors shown are without obligation! Fig. similar

# RE 17 three-gas system AMS 5/10

Assembly, welding, cutting and brazing system Welding range: 0.5-14 mm, Cutting range: 12-50 mm

#### Including dual-telescoping transport trolley!

24-part set (No. 35403) includes: handle with coupling nut (No. 35324), welding attachments  $0.5-1.0\,\mathrm{mm}$  (No. 35325)/ $1.0-2.0\,\mathrm{mm}$  (No. 35326)/ $2.0-4.0\,\mathrm{mm}$  $(No.\,35327)/4.0-6.0\,mm\,(No.\,35328)/6.0-9.0\,mm\,(No.\,35329)/9.0-14.0\,mm$ (No. 35334), wing-lever cutting attachment (No. 35338), cutting tips 12-25 mm (No. 35341)/25–50 mm (No. 35344), heating burners 12–100 mm (No. 35339), dual hoses A/O, 5 m (No. 35222), acetylene pressure reducer 1.5 bar (No. 35794), oxygen pressure reducer 10 bar (No. 35634), 2×red (No. 511428)/2×blue protective rubber caps (No. 511427), 10 piece burners cleaning set (No. 510105), torch spanner (No. 510106), safety igniter (No. 32077), replacement flints (No. 32088), gas regulating valve Maxigas (No. 1300003161), hose adaptor Maxigas (No. 35491), steel case (No. 35800), dual-telescoping transport trolley (No. 35354)

Model	Weight	PU	No.
RE 17 three-gas system AMS 5 and 10	23.000 kg	1	35403















The bottle colors shown are without obligation! Fig. similar

## RE 17 three-gas system AMS 10/10

Assembly, welding, cutting and brazing system Welding range: 0.5–14 mm, Cutting range: 12–50 mm

#### **Including gas cylinders and** dual-telescoping transport trolley!

**27-part set (No. 35401) includes:** handle with coupling nut (No. 35324), welding attachments 0.5–1.0 mm (No. 35325)/1.0–2.0 mm (No. 35326)/2.0–4.0 mm (No. 35327)/4.0-6.0 mm (No. 35328)/6.0-9.0 mm (No. 35329)/9.0-14.0 mm (No. 35334), wing-lever cutting attachment (No. 35338), cutting tips 12-25 mm (No. 35341) / 25–50 mm (No. 35344), heating burners 12–100 mm (No. 35339), dual hoses A/O, 5 m (No. 35222), acetylene pressure reducer 1.5 bar (No. 35794), oxygen pressure reducer 10 bar (No. 35634),  $2 \times \text{red}$  (No. 511428)  $/ 2 \times \text{blue}$ protective rubber caps (No. 511427), 10 piece burners cleaning set (No. 510105), torch spanner (No. 510106), safety igniter (No. 32077), replacement flints (No. 32088), acetylene cylinder 101, filled (No. 35179), oxygen cylinder 101, filled (No. 35189), Maxigas 400 (No. 035570-A), gas regulating valve Maxigas (No. 1300003161), hose adaptor Maxigas (No. 35491), steel case (No. 35800), dual-telescoping transport trolley (No. 35354)

Model	Weight	PU	No.
RE 17 three-gas system AMS 10/10	66.000 kg	1	35401















The bottle colors shown are without obligation! Fig. similar









# **RE 17 UNIVERSAL pipe welding set**

#### Assembly, welding, cutting and brazing machine Welding range: 0.5-14 mm, cutting range 12-100 mm

**Set (No. 35479) includes:** handle with coupling nut (No. 35324), welding attachments 2.0–4.0 mm (No. 35327)/4.0–6.0 mm (No. 35328)/6.0–9.0 mm (No. 35329), flexible pipe-welding tips 2.0–4.0 mm (No. 35347)/4.0–6.0 mm (No. 3534), wing-lever cutting attachment (No. 35338), cutting tip 12–25 mm (No. 35341), heating burners 12–100 mm (No. 35339), nozzle cleaning set, 10 piece (No. 510105), torch spanner (No. 510106), safety igniter (No. 32077), replacement flints (No. 32088), steel case (No. 35800)

Model	Weight	No.
RE 17 pipe welding set	4.300 kg	35479
RE 17 pipe welding set as in set No. 35479, but also including with welding attachments 0.5–1.0 mm / 1–2 mm, cutting tip 12–25 mm / 25–50 mm	4.800 kg	35480
Steel case RE 17, empty	1.700 kg	35800
RE 17 handle with burner coupling nut, Oxygen G 1/4″RH, gas G 3/8″LH	0.470 kg	35324



# **RE 17 welding attachments**

Welding range mm	Weight	PU	No.
0.5-1	0.140 kg	1	35325
1–2	0.150 kg	1	35326
2-4	0.170 kg	1	35327
4-6	0.190 kg	1	35328
6-9	0.220 kg	1	35329
9-14	0.260 kg	1	35334
	0.5-1 1-2 2-4 4-6 6-9	0.5-1 0.140 kg 1-2 0.150 kg 2-4 0.170 kg 4-6 0.190 kg 6-9 0.220 kg	0.5-1 0.140 kg 1 1-2 0.150 kg 1 2-4 0.170 kg 1 4-6 0.190 kg 1 6-9 0.220 kg 1



#### RE 17 welding attachments, bendable

Welding attachment, complete Welding attachment, bendable Welding Welding

range mm	Weight	No.	range mm	Weight	No.
			1-2	0.040 kg	35475
2-4	0.140 kg 35	347	2-4	0.040 kg	35476
4-6	0.150 kg 35	348	4-6	0.050 kg	35477



# **RE 17 wing-lever cutting attachment**

Model	Weight	PU	No.
Cutting attachment without tips	0.820 kg	1	35338

# RE 17 cutting tips and heating burners

Model	Welding range mm	Weight	PU	No.
Cutting tip	12–25	0.010 kg	1	35341
Cutting tip	25-50	0.020 kg	1	35344
Cutting tip	50-100	0.020 kg	1	35345
Heating burners	12–100	0.050 kg	1	35339



Accessories soldering and welding

# Oxy-acetylene hoses

Top quality in accordance with ISO 3821 (former EN 559), with strong inlay, durable and flexible, rubber, mounted with sleeves and nuts

# **Oxygen hoses**

Length m	Inlet	Outlet	Internal ( × Wall thickness	Weight	PU	No.
2.5	G 1/4" RH	G 1/4" RH	4×3.5	0.500 kg	1	35210
5.0	G 1/4" RH	G 1/4" RH	4×3.5	1.100 kg	1	33311



# Dual hoses A/O

Length m	Outlet		Internal Ø × Wall thickness		PU	No.
2.5	G 1/4" RH	G 3/8″LH	6.3×3.5	0.900 kg	1	35221
5.0	G 1/4" RH	G 3/8″LH	6.3×3.5	2.000 kg	1	35222
10	G 1/4" RH	G 3/8″LH	6.3×3.5	3.800 kg	1	35223



# Lightweight steel cylinders, filled

With cylinder valve and cap (5 l and 10 l), TÜV tested in

accordance with TRGI		Filling				
Model	Contents	pressure bar	Height mm	Ø mm	PU	No.
Oxygen	950 ml	110	340	70	12	35750
Oxygen	21	200	420	110	1	35635
Oxygen	51	200	595	145	1	35188
Oxygen	10	200	980	145	1	35189
Acetylene	51	18	595	145	1	35178
Acetylene	10 l	18	980	145	1	35179





The bottle colors shown are without obligation! Fig. similar

# **Cylinder transport trolley**

Portable and mobile, for 5 and 10 l acetylene / oxygen cylinders, 5 kg and 12 kg propane cylinders can be used with conversion kit (special accessory). Coupling for disposable Maxigas 400 cartridges, dual-telescoping for different cylinder heights, brackets for ALLGAS and RE 17 steel cases

Model	Weight	PU	No.
Transport trolley for 5–10 l acetylene / oxygen cylinders	8.700 kg	1	35354



#### 7

# Cylinder pressure reducer

Robust pressed brass construction according to EN ISO 2503 with large pressure gauge according to ISO 5171, with shut-off and safety valves. Acetylene cylinder pressure reducer with bow coupling according to DIN 477-1

Cylinder contents bar	Working pressure bar	Inlet	Outlet	Weight	PU	No.
Oxygen 0-200	0–10	G 3/4″RH	G 1/4" RH	1.400 kg	1	35634
Acetylene 0–40	0-1.5	Bow	G 3/8″LH	1.600 kg	1	35794



# **Blowback prevention**

Safety devices (flashback arrestors) according to EN 730-1 and ISO 5175-1, type tested, with flame arrestor (FA) and non-return valve (NV). No. 540360 and No. 540365 are additionally equipped with a temperature-sensitive cut-off valve (TV) and filter

Model	max. working pressure	Coupling	No.		
Handle-mounted, oxygen	25 bar	G 1/4" RH	540360		
Handle-mounted, acetylene	1.5 bar (ACE)	G 3/8″LH	540365		
	5 bar (propane/CNG)				
Reducer-mounted, oxygen	25 bar	G 1/4" RH	1000000633		
Handle, oxygen	20 bar	G 1/4" RH	1000000764		
Handle, fuel gas	1.5 bar (ACE)	G 3/8″LH	1000000762		
	4 bar (propane/CNG)				



No. 1000000633





No. 540360

No. 1000000764





No. 540365

No. 1000000762

# **Protective rubber cap**

With slot, open

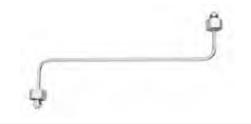
Model	Color	Weight	PU	No.
For oxygen pressure reducer	Blue	0.050 kg	1	511428
For acetylene pressure reducer	Red	0.050 kg	1	511427



# Oxygen refilling bend

Suitable for all 0.671, 21, 31, 51, 101, 201 and 501 bottles up to  $200\,\mathrm{bar}$ 

Model	Weight	PU	No.
max. 200 bar, cylinder coupling G 3/4"	0.355 kg	1	35199



# **Safety igniter**

Powerful spark, wear-free hard alloy friction surface

Model	Weight	PU	No.
Safety igniter	0.060 kg	1	32077
Replacement flints, 5 pcs.	0.015 kg	1	32088





No. 32077

No. 32088

# **Magnet welding mirror**

Model	Weight	PU	No.
With flexible metal tube/ball joint	0.450 kg	1	540855
Spare steel mirror	0.050 kg	1	540851



#### **Burners cleaner**

Model	Weight	PU	No.
In folding case, 11 pcs.	0.020 kg	1	510105



# **Torch spanner**

Model	Weight	PU	No.
With 10 wrench sizes	0.210 kg	1	510106



# **Welding goggles EN 166**

With thermal glasses as per EN 169

Model	Glass	Weight	No.
Nylon safety goggles	A 4	0.060 kg	540620
	A 5	0.060 kg	540621
	clear, non- splintering	0.060 kg	540622
Replacement glass (pair)	A 4	0.030 kg	540625
	A 5	0.010 kg	540626
	clear, non- splintering	0.030 kg	540627
Screw-ring safety goggles	A 4	0.090 kg	540640
	Α5	0.090 kg	540641
Replacement glass (Ø 50 mm)	A 4	0.030 kg	540675



# **ROVLIES cleaning pads**

Groove-free cleaning of solder joints on copper tubes due to metal-free fleece

#### **Application Benefits**

- Reduction of corrosion damage
- No metallic abrasion, can be used wet and dry
- Removes oxide layers, corrosion, surface dirt, greasy and oily residues
- Solvent resistant and elastic

Model	Weight	PU	No.
ROVLIES, 10 pcs.	0.080 kg	1	45268
ROVLIES counter display, 36 pcs.	2.180 kg	1	045268D





#### \_

# Internal brushes for copper pipe

For simple and effective pretreatment of the solder joint with sturdy plastic handle

Ø mm	Weight	PU	No.	Ø mm	Weight	PU	No.
8	0.060 kg	1	854179	18	0.120 kg	1	854185
12	0.080 kg	1	854181	22	0.140 kg	1	854186
14	0.090 kg	1	854182	28	0.140 kg	1	854187
15	0.100 kg	1	854183	35	0.160 kg	1	854188
16	0.120 kg	1	854184				



# **Hand wire brushes**

Model	Rows	Weight	PU	No.
Standard steel	3 rows	0.130 kg	1	561351



# **Welding blanket**

Flame retardant and temperature resistant up to 840 °C

#### **Application Benefits**

- Continuous temperature resistant up to 700 °C under direct Flame exposure and liquid slag
- Good formability, long service life, asbestos-free and harmless to health
- Edges chained



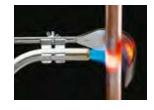


Model	L×W×H	Weight	PU	No.
Welding blanket	330 × 500 × 3 mm	0.300 kg	1	31050

# **Flame reflectors**

# **Application Benefits**

- Made of high quality stainless steel
- Protection of surrounding combustible materials
- Optimal heat utilization, saves time and energy



Model	Width mm	Adaptor Ø mm	Weight	PU	No.
65/15	65	8-15	0.100 kg	1	31042
65/22	65	15-22	0.100 kg	1	31043



# Fitting soft solder according to EN standard

Standard type	Solder		Suitable	nbing industry	Recommended heat source	
according to EN 9453	composition in weight %	Melting range °C	Pipe material	Fittings material	Recommended flux according to EN 9454-1	Cartridge burner, heat resistant soldering unit, propane / induced-air burner, acetylene / indu-
S -Sn97Cu3	Sn 97, Cu 3	230-250	Copper	Copper, gunmetal, brass	Part 1 – 3.1.1, 3.1.2, 2.1.2 or ROSOL 3	ced-air burner, larger pipe diameters above 28 mm with propane/
S -Sn97Ag3	Sn 96.7, Ag 3.3	221-240	Copper	Copper, gunmetal, brass	Part 1 – 3.1.1, 3.1.2, 2.1.2 or ROSOL 1 S	oxygen burner with dispersion burners

# Standard solder according to EN ISO standard

Standard type	Solder		Working	Suitable for installation technology brazing		Suitable for installation technology brazing			
according to ISO 17672	composition in weight %	Melting range °C	temperature °C	Pipe material	Fittings material	Flux	Recommended flux according to EN 1045		
CuP 179	Cu 94/P 6	710-890	760	Copper	Copper, Gunmetal, Brass	without flux with flux	FH 10 or LP 5		
CuP 279	Ag 2 / Cu 91,8 / P 6,2	645-825	740	Copper	Copper, Gunmetal, Brass	without flux with flux	FH 10 or LP 5	Cartridge torch with MAPP <sup>1</sup> gas, Propane/	
CuP 281	Ag 5 / Cu 89 / P 6	645-815	710	Copper	Copper, Gunmetal, Brass	without flux with flux	FH 10 or LP 5	induced-air torch, Acetylene / induced-air torch, Larger pipe	
CuP 284	Ag 15 / Cu 80 / P 5	645-800	700	Copper	Copper, Gunmetal, Brass	without flux with flux	FH 10 or LP 5	diameters above 28 mm with propane / oxygen torch with dispersion	
Ag 134	Ag 34 / Cu 36 / Zn 27,5 / Sn 2,5	630-730	710	Steel, Copper	Steel, Copper, Gunmetal, Brass	with flux (U = sheathed from 22 mm pipe-Ø)	FH 10 or LP 5	burners	
Ag 145	Ag 34 / Cu 36 / Zn 27,5 / Sn 2,5	640-680	670	Steel, Copper	Steel, Copper, Gunmetal, Brass	with flux (U = sheathed from 22 mm pipe-Ø)	FH 10 or LP 5		

# **Soldered joints**

Material	Required hard solder	Melting range °C	Working temperature °C	Standard
Copper-Copper	S 34 Cu/S 34 Cu U S 94 S 2 S 5 S 15	630-730 710-890 645-825 645-815 645-800	710 760 740 710 700	DIN EN ISO 17672 (former DIN EN 1044)
Copper-Carbon steel	S 34 Cu / S 34 Cu U S 45 Cu / S 45 Cu U	630-730 640-680	710 670	DIN EN ISO 17672 (former DIN EN 1044)
Copper-Brass	\$ 94 \$ 2 \$ 5 \$ 15	710-890 645-825 645-815 645-800	760 740 710 700	DIN EN ISO 17672 (former DIN EN 1044)
Brass-Carbon steel	S 34 Cu / S 34 Cu U S 45 Cu / S 45 Cu U	600-690 595-630	600-690 595-630	DIN EN ISO 17672 (former DIN EN 1044)
Brass-Brass	\$ 94 \$ 2 \$ 5 \$ 15	710-890 645-825 645-815 645-800	760 740 710 700	DIN EN ISO 17672 (former DIN EN 1044)
Carbon steel-Carbon steel	S 34 Cu/S 34 Cu U S 45 Cu/S 45 Cu U	630-730 640-680	710 670	DIN EN ISO 17672 (former DIN EN 1044)

# **Fittings solders**

Quality soft solders according to EN 9453 for joining copper pipes to copper, gunmetal and brass fittings for hot and cold-water plumbing in accordance with DVGW worksheet GW 2 without flux, for use with corresponding ROSOL fittings solder paste.



No. 45252



No. 45257

# Fitting solder 1 S

Quality soft solder S-Sn97Ag3, melting range 221–240 °C, for use with ROSOL 1 S fittings solder paste

Solder wire Ø	Description	Weight	PU	No.
2 mm	250 g coil	0.270 kg	1	45252
3 mm	250 g coil	0.270 kg	1	45250

# Fitting solder 3

Quality soft solder, S-Sn97Cu3, melting range 230–250  $^{\circ}$ C, for use with ROSOL 3 fittings solder paste

Solder wire Ø	Description	Weight	PU	No.
2 mm	250 g coil	0.270 kg	1	45257
3 mm	250 g coil	0.270 kg	1	45255

# **ROSOL** soldering paste

Quality soft soldering flux according to EN ISO 9453 and EN 29454-1, 3.1.1.C, with DVGW test mark Reg.-No. DV-0101AT2247, for joining copper pipes to copper, gunmetal and brass fittings for hot and cold-water plumbing in accordance with DVGW worksheet GW 7, metal content 60 % by weight, flux residues are 100 % water soluble.



### **ROSOL 1 S**

# Fittings solder paste

Quality soft soldering flux, metal content: S-Sn97Ag3, only for use with fitting solder 1 S  $\,$ 

Model	Weight	PU	No.
ROSOL 1 S in plastic bottle 250 g	0.270 kg	1	45220



### **ROSOL 3**

# Fittings solder paste

Quality soft soldering flux, metal content: S-Sn97Cu3, only for use with fittings solder  $\bf 3$ 

Model	Weight	PU	No.
ROSOL 3 in plastic bottle 250 g	0.270 kg	1	45225

Accessories soldering and welding

### Hard solder rings

Made of high-quality, silver-phosphorous safety brazing alloy, guaranteed according to EN ISO 17672, CuP 279

# **Application Benefits**

- Ideal for capillary gap soldering in copper pipe installation in sanitary and heating technology
- Exactly matched to the inside diameter of the brazed pipes and fittings according to EN 1254
- · Complete through-soldering of the soldered joints
- Particularly economical work due to precisely metered solder quantity
- · No preparation and rework at the soldering point

_		
TAC	hnical	Data
160	ııııca	Data

Ag 1.5–2.5/P 5.9–6.5/Cu rest
650-810°C
Copper, gunmetal, brass, bronze
Gunmetal, brass, bronze with hard solder paste LP 5
250 g plastic bag

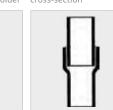
Model	Content	Weight	PU	No.
Hard solder rings S 2, Ø 14 mm	268 pcs.	0.260 kg	1	40514
Hard solder rings S 2, Ø 28 mm	79 pcs.	0.260 kg	1	40528



Simple insertion Precise quantity of solder



Simply heat, no dripping, no reduction of cross-section



# Hard solder paste LP 5

Flux for brazing at working temperatures above 600 °C, according to EN 1045, type FH 10, DVGW tested Reg. No. DV-0101AT2245, for gas and water installations with copper pipes, recommended by DVGW according to worksheet GW 2 and GW 7, to be used with silver-containing brazing alloys and any base materials made of steel, copper and copper alloys, brass, gunmetal, effective temperature range 500–800 °C, flux residues must be removed carefully.

Model	Weight	PU	No.
LP 5 in plastic bottle	0.180 kg	1	40500



# Hard solder powder HKM

Flux for brazing at working temperatures above 800 °C, according to EN 1045-FH 21, effective temperature range 800–1,100 °C, for copper and copper alloys, brass, red brass, nickel silver, bronze, steel and galvanized steel sheet, gray and malleable cast iron, to be used for welding copper and brass in dry condition, can be mixed to paste with purified water, flux residues must be removed carefully. Free of boric acid.

Model	Weight	PU	No.
HKM in plastic bottle	0.065 kg	1	35611





#### **ROLOT hard solders**

#### For copper pipe installation

ROTHENBERGER ROLOT special hard solders are particularly suited for copper pipe installations in cold and hot water systems, for open and closed heating systems, for gas installations in accordance with DVGW Worksheet GW 2 (liquid, natural and town gas) as well as for HVAC and refrigeration applications, and oil pipes. ROTHENBERGER ROLOT is especially suited for capillary soldering of copper pipes without fittings. Copper / phosphorus / silver solders are highly formable, and are therefore recommended for joints that are subjected to high thermal and mechanical alternating loads.

# **Application Benefits**

- Non-foaming
- Heat resistant up to 200°C
- No flux required for copper/copper brazing (except S 34 and S 45)
- Environmentally friendly manufactured with newly developed production technology, corrosion-neutral, scale-free, improved flow behavior



#### **ROLOT S94 CuP 179**

Quality hard solder guaranteed according to EN ISO 17672, due to low phosphorus content, the solder has a wide melting range, and creates soldered joints with increased strength. Standard solder for normally-stressed copper pipe installation, especially for capillary soldering with copper pipe installation without fittings.

#### **Technical Data**

Alloy (weight %)	Cu 94/P6
Melting range	710-880°C
Working temperature	760°C
Joinable materials	Copper, gunmetal, brass, bronze
Flux required with	Gunmetal, brass, bronze with LP 5



		Weight	PU	No.
2×2	500	1.025 kg	1	40094
	section mm		section mm mm Weight	section mm mm Weight PU

## **ROLOTS 2**

Special quality hard solder, not standardised, similar to EN ISO 17672, with low silver content, matched to normally-stressed copper pipe system, ideal for capillary gap soldering.

Melting range	700-850°C
Working temperature	760°C
Joinable materials	Copper, gunmetal, brass, bronze
Flux required with	Gunmetal, brass, bronze with hard solder paste LP 5



Content	Squared section mm		Weight	PU	No.
1 kg carton	2×2	500	1.025 kg	1	40202

Accessories soldering and welding

# **ROLOT S 2 CuP 279**

Silver / phosphorus safety hard solder, guaranteed according to EN ISO 17672, for higher-stressed copper pipe systems, ideal for capillary soldering in sanitary, heating and gas installations.



#### **Technical Data**

Alloy (weight %)	Ag 2/Cu 91.8/P 6.2
Melting range	645-825°C
Working temperature	710°C
Joinable materials	Copper, gunmetal, brass, bronze
Flux required with	Gunmetal, brass, bronze with hard solder paste LP 5

Content	Squared section mm	Lenght mm	Weight	PU	No.
1 kg carton	2×2	500	1.025 kg	1	40212
1 kg carton	3×3	500	1.025 kg	1	40213

#### **ROLOTS**5

Particularly high-quality hard solder, not standardised, similar to EN ISO 17672, with low silver content, ideal for capillary and joint soldering in sanitary, heating and gas installations.



### **Technical Data**

Melting range	710-840°C
Working temperature	750°C
Joinable materials	Copper, gunmetal, brass, bronze
Flux required with	Gunmetal, brass, bronze with hard solder paste LP 5

Content	Squared section mm		Weight	PU	No.
1 kg carton	2×2	500	1.025 kg	1	40502

# **ROLOT S 5 CuP 281**

High-quality silver/phosphorus safety hard solder, guaranteed according to EN ISO 17672, for higher-stressed copper pipe systems, ideal for capillary and joint soldering in sanitary, heating and gas installations.

Alloy (weight %)	Ag 5/Cu 89/P 6
Melting range	645-815°C
Working temperature	710°C
Joinable materials	Copper, gunmetal, brass, bronze
Flux required with	Gunmetal, brass, bronze with hard solder paste LP 5



Content	Squared section mm		Weight	PU	No.
1 kg carton	2×2	500	1.025 kg	1	40005

#### **ROLOT S15 CuP 284**

Particularly high-quality silver hard solder, guaranteed according to EN ISO 17672, especially for capillary-gap soldering subject to high thermal and mechanical alternating loads in HVAC systems as well as demanding sanitary and gas installations.

# Technical Data

Alloy (weight %)	Ag 15/Cu 80/P 5
Melting range	645-800°C
Working temperature	700°C
Joinable materials	Copper, gunmetal, brass, bronze
Flux required with	Gunmetal, brass, bronze with hard solder paste LP 5



Content	Squared section mm		Weight	PU	No.
1 kg carton	2×2	500	1.025 kg	1	40015

# Silver hard solders Ag 134 S 34 Cu U flux-covered

Free of cadmium, quality silver hard solder guaranteed according to EN ISO 17672, flux-covered according to EN1045 FH 10, universal application areas for gap soldering, also for drinking water installations, heat-resistant up to 200 °C.



### **Technical Data**

Alloy (weight %)	Ag 34/Cu 36/Zn 27.5/Sn 2.5
Melting range	630-730°C
Working temperature	710°C
Joinable materials	Steel, malleable cast iron, copper, gunmetal, copper and nickel alloys

Content	Lenght mm	Weight	PU	No.
100 g plastic bag	2	0.110 kg	1	44915
250 g plastic bag	2	0.260 kg	1	44916
1,000 g plastic bag	2	1.010 kg	1	44917

# Silver hard solders Ag 145 S 45 Cu / S 45 Cu U flux-covered

Free of cadmium, quality silver hard solder, guaranteed according to EN ISO 17672, flux-covered according to EN 1045, Type FH 10, universal application areas for gap soldering, excluding drinking water installations, heat-resistant up to  $200\,^{\circ}\text{C}$ .

Joinable materials	Steel, malleable cast iron, copper, gunmetal, copper and nickel alloys, stainless steel
Working temperature	670°C
Melting range	640-680°C
Alloy (weight %)	Ag 45/Cu 27/Zn 25.5/Sn 2.5



Content	Lenght mm	Weight	PU	No.
100 g plastic bag	2	0.110 kg	1	45055
250 g plastic bag	2	0.325 kg	1	45056





# Testing pumps, manual

RP 50 Digital RP 50-S / RP 50-S INOX





Page	208	209
Suitable for	Water and glycol-water mixtures	Oil, water and glycol
Documentation via app	•	0
Pressure gauge units	bar, psi and MPa	bar, psi and MPa
Valve	Twin valve	Twin valve
Material	DURAMANT coated steel	DURAMANT coated steel
Dimension (L×B×H)	495×165×255 mm	495 × 165 × 255 mm
Connection	R 1/2″	R 1/2"
Tank capacity	121	121
Hub suction capacity	approx. 45 ml / stroke	approx. 45 ml/stroke
Testing and pressure range	0-30 bar	0-60 bar

Testing pumps, r	nanual	Testing pumps, electric
TP 25	RP 30	RP Pro III







Testing and pressure range	0–25 bar	0-30 bar	0-40 bar
Hub suction capacity	approx. 16 ml / stroke	approx. 16 ml / stroke	61/min.
Tank capacity	71	4,51	0
Connection	R 1/2″	R 1/2″	R 1/2″
Dimension (L × B × H)	380 × 215 × 156 mm	440 × 200 × 240 mm	375×290×300 mm
Material	DURAMANT coated steel	ABS plastic	ABS plastic
Valve	Twin valve	Single valve	Single valve
Pressure gauge units	bar and psi	bar and psi	bar, psi and MPa
Documentation via app	0	0	0
Suitable for	Oil, water and glycol	Oil, water and glycol	Oil, water and glycol
Page	211	211	210

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# Testing devices for gas and water connections

# **ROTEST GW 150/4**

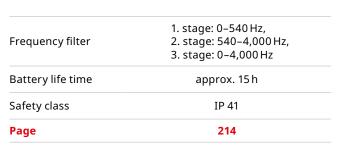


Low pressure range	0-160 mbar (resolution 0.1 mbar / hPa)
High pressure range	0-4 bar (resolution 0.1 bar / 0.01 MPa)
Leak rate measurement	0
Display resolution	0
Data transfer	0
Battery life time	0
Safety class	0
Page	212

### **ROLEAK Aqua 3 Plus**









Detects ethylene, gasoline, hydrogen, industrial solvents, jet fuel, paint thinner, naptha, toluene

Sensitivity <50 ppm-1 Vol% (Methane)

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Testing of water lines and containers

#### **RP 50 Digital**

# Digital precision test pump for liquid-filled lines or containers up to 30 bar

Pressure tests with water on pipe systems in residential and commercial buildings and in industrially used tanks (up to 30 bar)

#### **Application Benefits**

- Digital pressure sensor up to 30 bar enables high-precision measurements and adjustment of the test pressure to be set
- Simple and automatic documentation of the test parameters
- Secure creation of a test protocol with the app
- An additional pressure gauge with drag indicator shows the set pressure so that a pressure drop in the system can be easily determined
- Reliable and precise measurement results: the double valve system (Twin Valve) enables self-testing of the pump as well as exact fine adjustment of the pressure
- Test hose with steel mesh prevents measurement errors that can occur due to expansion of the hose during operation
- Weathering and cold-resistant steel container with DURAMANT coating







#### **Technical Data**

Testing and pressure range	0-30 bar
Hub suction capacity	approx. 45 ml / stroke
Tank capacity	121
Connection	R 1/2"
Dimensions (L × B × H)	495 × 165 × 255 mm
Material	DURAMANT coated steel
Valve	Twin valve
Pressure gauge units	bar, psi and MPa
Suitable for	Water and glycol-water mixtures



Digital pressure sensor enables precise adjustment of the test pressure



Creation of a test protocol via app



Model	Weight	PU	No.
RP 50 Digital	7.800 kg	1	1000004000

#### **RP 50-S/RP 50-S INOX**

Robust precision testing pump for pressure testing of water lines and containers up to 60 bar with very high testing standards

Pressure testing with water or oil of piping in residential and industrial construction, as well as for industrial containers (up to 60 bar). Expansion possible with an extra fine scaling pressure gauge (0.1 bar) for testing up to 16 bars

#### **Application Benefits**

- A drag indicator displays the preset pressure so that a loss of pressure in the system can be detected easier
- Reliable and precise testing results: the dual-valve system (Twin Valve) enables self-testing of the pump as well as a precise fine adjustment of the pressure
- Especially precise reading as needed: finely scaled (scaling 0.1 bar) pressure gauge available separately
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Type 50-S: weather and cold-resistant steel container with DURAMANT coating
- Type 50-S INOX: high-quality corrosion resistant stainless steel tank

# Adjustment of the pressure gauge with 0.1 bar scaling is possible!





#### **Technical Data**

Testing and pressure range	0–60 bar with 1 bar steps 0–860 psi with 20 psi steps 0–6 MPa with 0.1 MPa steps
Hub suction capacity	approx. 45 ml / stroke
Tank capacity	121
Connection	R 1/2"
Dimensions (L × B × H)	495 × 165 × 255 mm
Material RP 50-S	DURAMANT coated steel
Material RP 50-S INOX	Stainless steel
Valve	Twin valve
Pressure gauge units	bar, psi and MPa
Suitable for	Oil, water and glycol



Double valve system: enables self-testing of the pump, as well as a precise fine adjustment of the pressure



Optional: Extra fine scaling Pressure gauge for the testing of systems up to 16 bar with a 0.1 scaling



Model	Weight	PU	No.
RP 50-S	8.000 kg	1	60200
RP 50-S INOX	8.000 kg	1	60203
Maintenance package for RP 50-S	0.100 kg	1	60201
Double nipple 1/2" to 3/4"	0.100 kg	1	60999
High pressure hose with 1/4"	0.490 kg	1	R6112500
Extra 16 bar pressure gauge	0.100 kg	1	61316

Testing of water lines and containers

# **RP Pro III**

#### Self-priming electric testing pump up to 40 bar

Electrical testing pump for the automatic pressure testing of piping and containers up to 40 bar in accordance with national and international standards

#### **Application Benefits**

- Comfortable, automatic filling and pressure testing of piping and containers
- Compact and robust plastic casing for simple handling at the building site
- Liquid supply freely selectable: optional self-priming up to a maximum of 1 m or from a pressure source. Suitable for oil, water and glycol
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Glycerine cushioned pressure gauge absorbs pressure surges which makes pressure reading easier





#### **Technical Data**

Testing and pressure range:	0–40 bar with 1 bar steps 0–570 psi with 20 psi steps 0–0.1 MPa steps
Hub suction capacity	61/min.
Connection	R 1/2″
Dimensions (L×B×H)	375×290×300 mm
Material	ABS plastic
Pressure gauge units	bar, psi and MPa
Gauge characteristics	glycerine cushioned
Suitable for	Oil, water and glycol

#### Valve for pressure adjustment



Direct overview of the functions

Model	Weight	PU	No.
RP Pro III	16.000 kg	1	61185
Testing hose with R 1/2"	0.400 kg	1	V12102000
Maintenance package for RP Pro III	1.111 kg	1	61186

#### **TP 25**

# Small, robust precision testing pump for pressure testing up to 25 bar

Pressure testing with water or oil of piping in residential and industrial construction as well as for industrial containers up to 25 bar in accordance with international and national standards

#### **Application Benefits**

- Reliable and precise testing results: the dual-valve system (Twin Valve) enables self-testing of the pump, as well as a precise fine adjustment of the pressure
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Weather and cold-resistant steel container with DURAMANT coating

#### **Technical Data**

Testing and pressure range	0–25 bar
Hub suction capacity	approx. 16 ml / stroke
Connection	R 1/2″
Dimensions (L × B × H)	380 × 215 × 156 mm
Material	DURAMANT coated steel

Model	Weight	PU	No.
TP 25	4.600 kg	1	60250
Maintenance package for TP 25	0.100 kg	1	60251



For daily use on the construction site: fits in any car



# **RP 30**

# Simple and light testing pump for compression testing up to 30 bar

Pressure testing with water or oil of piping in residential and industrial construction as well as for industrial containers up to 30 bar in accordance with international and national standards

# **Application Benefits**

- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Shock and corrosion resistant ABS plastic container with reinforced floor

Testing and pressure range	0–30 bar with 1 bar steps 0–440 psi with 20 psi steps
Hub suction capacity	approx. 16 ml / stroke
Connection	R 1/2″
Dimensions (L × B × H)	440 × 200 × 240 mm
Material	ABS plastic









Easy, light and handy: for all common house building applications



Testing of gas and water lines

#### **ROTEST GW 150/4**

#### Analogue testing device for gas and water connections using air as the medium

Analogue testing unit for the implementation of the following tests:

Load and leakage test for newly installed gas lines in accordance with DVGW-TRGI Worksheet G 600

(October 2018)

Leakage test from propane liquid gas lines /

low-pressure liquid gas lines

Adjustment of the duct pressure on atmospheric

burners and forced-air burners Testing of the appliance connection pressure on gas

appliances

Water: Pre-testing and testing of newly installed drinking water lines in accordance with DIN 1988 (TRWI)

#### **Application Benefits**

- Quick and precise pressure reading over water column without electronic
- Testing time and pressures in accordance with DVGW-TRGI and TRWI clearly arranged on unit cover
- · Sturdy unit: High reliability when used on the building site

DVGW-TRGI worksheet G 600 (October 2018) conforming!

> **Inspection glass** Water level control



Testing scale up to 150 mbar on transparent extending tube element







#### **Technical Data**

Pressure gauge	4 bar/0.4 MPa
Water column	150 mbar / hPa
Testing accuracy	Water column 0.1 mbar/hPa (Reading accuracy in accordance with TRGI) Pressure gauge 0.1 bar/0.01 MPa (Display range 0-4 bar/0-0.4 MPa)



Continuous scaling up to 150 mbar

#### Measurement chart in unit

Testing times and testing pressure from lawmakers at a glance

#### Foam inlay

High transport safety and protection of the components

#### Compact measuring station

Designed to serve in real-life situations through quick, exact gas pressure measurements

Model	Weight	PU	No.
ROTEST GW 150/4 with 5 test plugs and supply end cap	7.570 kg	1	61700
ROTEST GW 150/4 with 5 test plugs without supply end cap	7.300 kg	1	61701



# Testing of gas and water lines

# **Set components for ROTEST GW**

Model	Weight	No.
Pressure pump for GW 150/4	0.300 kg	61011
Bellow for GW 150/4	0.055 kg	61014
Shut-off valve NW5 socket/plug	0.200 kg	61017
Adaptor nozzle pressure to NW5 plug	0.200 kg	61018
O-Ring set for GW 150/4, 6 pcs.	0.040 kg	61030
Supply end cap for GW 150/4 (NW 5)	0.380 kg	61041
1/2″ adaptor to NW5 plug	0.500 kg	1500002876
Tube element for GW 150/4, 4 pcs.	1.100 kg	61702
Measurement fluid for GW 150/4, blue	0.100 kg	351257
Hose 2 m, high pressure with shut-off valve	e 0.200 kg	1500002845
Hose 2 m, low pressure	0.200 kg	1500002846
Double bellow for GW Digital V3	0.100 kg	1500002847
Air pump for GW Digital V3	0.140 kg	1500002848
CD RoData V3 for GW Digital V3	0.020 kg	1500002851



# Gas test plug / adaptor for ROTEST GW

Suitable for gas lines up to 1.5 bar

Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	Weight	PU	No.
Conical shap	e with pneuma	itic connection	ı		
Size 0	3/8-1/2"	15-18	0.045 kg	1	351260
Size 1	1/2-1″	22-28	0.080 kg	1	351261
Size 2	3/4-1.1/4"	35-42	0.125 kg	1	351262
Size 3	1.1/4-2"	54-64	0.175 kg	1	351263
Cylindrical sh	ape with pneu	matic connec	tion		
Size 1	3/4″	22	0.060 kg	1	351271
Size 2	1″	28	0.075 kg	1	351272
Conical shap	e with hose co	upling			
Size 0	3/8-1/2"	15-18	0.200 kg	1	351220
Size 1	1/2-1″	22-28	0.300 kg	1	351221
Size 2	3/4-1.1/4"	35-42	0.300 kg	1	351222
Size 3	1.1/4-2"	54-64	0.400 kg	1	351223
Conical shap	e with 2 ball va	lves			
Size 1	1/2-1″	22-28	0.260 kg	1	351231
Size 2	3/4-1.1/4"	35-42	0.420 kg	1	351232
Size 3	1.1/4-2″	54-64	0.700 kg	1	351233
Conical shape with 1 ball valve					
Size 0	3/8-1/2"	15-18	0.200 kg	1	351225
Size 1	1/2-1″	22-28	0.350 kg	1	351226
Size 2	3/4-1.1/4"	35-42	0.390 kg	1	351227
Size 3	1.1/4-2″	54-64	0.600 kg	1	351228
With double	plug valve and	hose snout			
Adaptor with	pn. connectio	n	0.290 kg	1	351265



# **ROLEAK Aqua 3 Plus**

Easy to use leak detection device with acoustic signal for pipe systems

### **Application Benefits**

- Leak detection possible on different pipe materials
- Amplifies flow noise and enables leaks to be located
- Digital wireless connection to headphones
- Possibility to connect an external microphone
- Bluetooth® connection for a better and clear noise transmission to headphones. This also allows to control the volume with the handunit





#### **Technical Data**

1. stage: 0 up to 540 Hz 2. stage: 540 up to 4,000 Hz 3. stage: 0 up to 4,000 Hz
approx. 15 h
IP 41



No. 1500003535

Even better acoustics thanks to Bluetooth® wireless technology



Acoustic leak detection of heating installations



6-parts Set (No. 1500003533) includes: basic unit, headphones, magnetic adaptor, 2 × extensionstick, tripod-adaptor, ROCASE 4414

Model	Weight	PU	No.
ROLEAK Aqua 3 Plus	3.100 kg	1	1500003533
External groundmicrophone	0.500 kg	1	1500003535

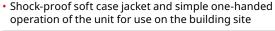
#### **ROTEST Electronic 4**

#### Leak detection on gas lines

For the detection of gas in room as well as leaks in pipes. Detects all flammable methane based gases

#### **Application Benefits**

- · Leaks are optically as well as acoustically displayed
- With the help of the 42 cm long, flexible testing head and the integrated lamp, even dark and hard to reach places can be tested
- Quick and precise leak location of even the smallest leak source: The sensitivity of the unit can be adjusted continuously in a range from <50 ppm-1 Vol %







#### **Technical Data**

Natural gas, propane, butane, methane, acetone, alcohol, ammonia, benzyl, ethylene, gasoline, Detects hydrogen, industrial solvents, jet fuel, paint thinner, naptha, toluene

Sensitivity <50 ppm-1 Vol % (Methane)



Set (No. 1000003199) includes: ROTEST Electronic 4, 2 × AA battery in ROCASE 4212 (No. 1300003334)

Model	Weight	PU	No.
ROTEST Electronic 4	1.250 kg	1	1000003199







# Leak detection spray

#### Leak detection on gas lines

Ideal for detecting leaks in gas-filled lines, gas cylinders or containers. When a leak is present a blister forms

#### **Application Benefits**

- · Simple use—always ready to use
- Highly sensitive foaming spray for a guick and reliable locating of leaks

#### **Technical Data**

- Detects gases (for example natural gas, inflammable gas or air)
- The leak detection spray is neutral against the most common inflammable gases and refrigerants. The only reaction is the building of foam

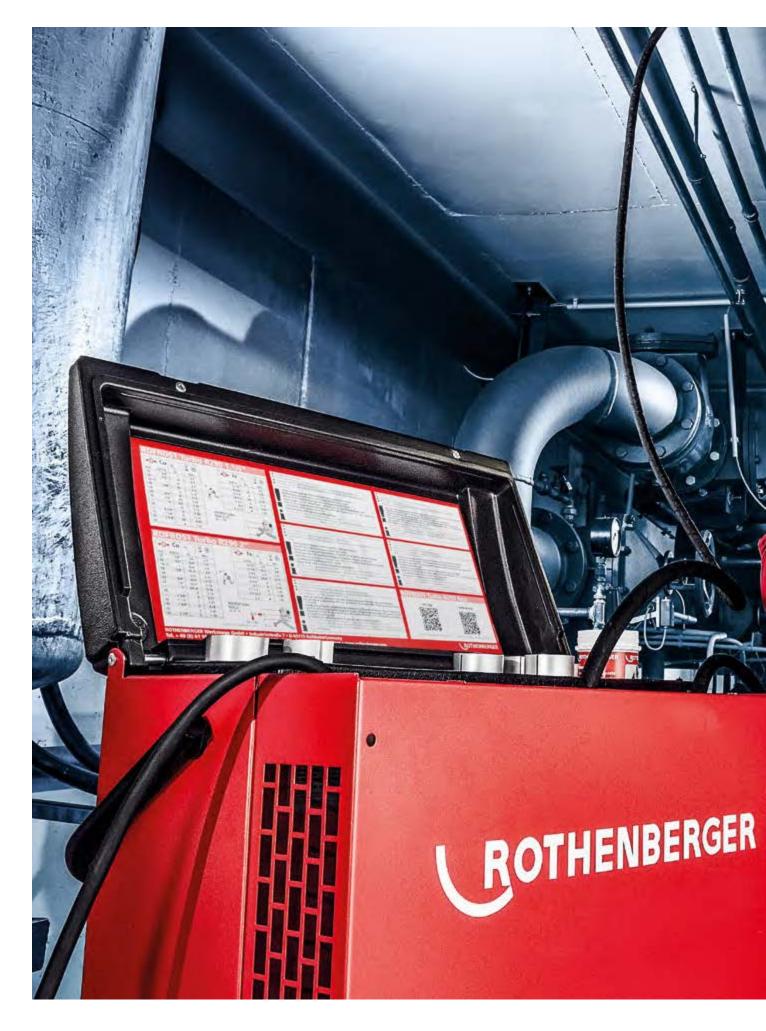
Model	Weight	PU	No.
ROTEST leak detection spray 400 ml	0.470 kg	1	65000
ROTEST leak detection spray 400 ml, 12 pcs.	5.670 kg	12	1000000442

Highly sensitive foam spray for quick and reliable location of leaks











# Freezing electric

# **Freezing with gas**

ROFROST Turbo II R290 1.1/4"

**ROFROST TURBO II R290 2"** 

ROFROST CO₂ Set







Page	219	220	223
Refrigerant	R290	R290	CO <sub>2</sub> (R744)
Freezing hose 2.000 m		2.000 m	2.000 m
Reduction inserts	up to 12 pcs.	up to 15 pcs.	up to 10 pcs.
Working range Fe	1/8–1.1/4″	1/8-2″	1/8–2″
Working range Cu	10-42 mm (3/8-1.3/8")	10-54 mm (3/8-2.1/8")	10-54 mm (3/8-2.1/8")

# ROFROST TURBO II R290 1.1/4" / ROFROST Turbo II R290 2"

Pipe freezing system for copper, steel and stainless steel



The use of heat conductive paste guarantees optimal freezing



The freezing process starts automatically after installing the freezing clamps



Compact freeze clamp design allows the pipe to be frozen—even close to the wall



# **ROFROST TURBO II R290 1.1/4"**

# Pipe freezing system for copper, steel and stainless steel

Maintenance, repair and expansion work in sanitary and heating installations.

Copper pipes: Ø 10–42 mm ROFROST Turbo II R290 1.1/4"

Ø 3/8-1.3/8" ROFROST Turbo II R290 1.1/4"

**Steel pipes:** Ø 1/8–1.1/4" ROFROST Turbo II R290 1.1/4"

# **Application Benefits**

- Future-proofed due to the change of the environmentally friendly refrigerant R290
- Compact freezing clamps and shortened thermometer allow working on confined spaces
- The use of heat conductive paste guarantees an optimum icing. It prevents air pockets between the freezing clamps and pipe. The pipe does not need to be sprayed with water
- Reduction inserts in various sizes for all common pipe diameters
- Over 20 % lighter compared to previous device









#### **Technical Data**

Voltage	220-240 V
Working area diameter copper pipe	10-42 mm
Working area diameter steel pipe	1/8-1.1/4″
Power cable length	2 m



Model	Weight	PU	No.
ROFROST TURBO II R290 set 1.1/4", 6 reduction inserts, 230 V	23.500 kg	1	1500003000

# ROFROST TURBO II R290 2"

# Pipe freezing system for copper, steel and stainless steel

Maintenance, repair and expansion work in sanitary and heating installations

Copper pipes: Ø 10–54 mm ROFROST Turbo II R290 2''

Ø 3/8-2.1/8" ROFROST Turbo II R290 2"

**Steel pipes:** Ø 1/8–2" ROFROST Turbo II R290 2"

# **Application Benefits**

- Future-proofed due to the change of the environmentallly friendly refrigerant R290
- Safe freezing: Thermometer on the freezer clamp indicates when the pipe is completely frozen
- The use of heat conductive paste guarantees an optimum icing. It prevents air pockets between the freezing clamps and pipe. The pipe does not need to be sprayed with water
- Reduction inserts in various sizes for all common pipe diameters
- Over 20 % lighter compared to previous device









#### **Technical Data**

220-240 V
10-54 mm
1/8-2″
2 m

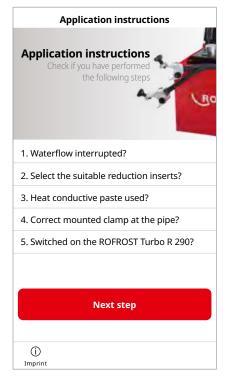


Model	Weight	PU	No.
ROFROST TURBO II R290 set 2″, 8 reduction inserts, 230 V	24.300 kg	1	1500003001

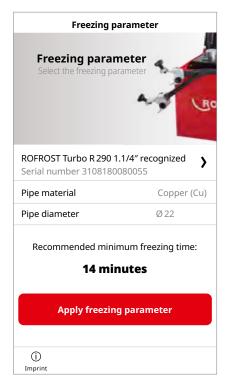
# **ROFROST App**

The ROFROST App supports safe work and the freezing process will be explained step by step.

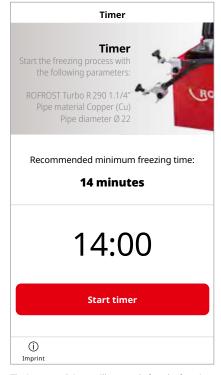








The recommended freeze time is displayed by adjusting the material and diameter



The integrated timer will respond after the freezing time has elapsed

#### Reducer insert ROFROST TURBO II 1.1/4"

For freezing during maintenance, repair and extension work in the sanitary and heating installation of copper pipes from 10–42 mm or 3/8–1.3/8″, as well as steel pipes from 1/8–1.1/4″



Model	Weight	PU	No.
Reduction inserts Size I, Cu 10 mm, Cu 3/8", Fe 1/2"	0.200 kg	1	62217
Reduction inserts Size II, Cu 12 mm, Cu 1/2"	0.180 kg	1	62211
Reduction inserts Size III, Cu 14/15 mm, Fe 1/4″	0.155 kg	1	62212
Reduction inserts Size IV, Cu 16 mm, Cu 5/8″	0.100 kg	1	62219
Reduction inserts Size V, Cu 18 mm, Fe 3/8"	0.145 kg	1	62213
Reduction inserts Size VI, Cu 20 mm, Cu 3/4″	0.154 kg	1	62224
Reduction inserts Size VII, Cu 22 mm, Cu 7/8", Fe 1/2"	0.130 kg	1	62214
Reduction inserts Size VIII, Cu 1"	0.200 kg	1	62226
Reduction inserts Size IX, Cu 28 mm, Fe 3/4"	0.105 kg	1	62215
Reduction inserts Size X, Cu 1.1/8"	0.200 kg	1	62227
Reduction inserts Size XI, Cu 32 mm, Cu 1.1/4"	0.200 kg	1	62221
Reduction inserts Size XII, Cu 35 mm, Cu 1.3/8", 1"	0.070 kg	1	62216
Expansion set for ROFROST TURBO Size II, III, V, VII	0.700 kg	1	62230

# Reducer insert ROFROST TURBO II 2"

For freezing during maintenance, repair and extension work in the sanitary and heating installation of copper pipes from 10–54 mm or 1/2–2.1/8″, as well as steel pipes from 10–54 mm



Model	Weight	PU	No.
Reduction inserts Size A, Cu 28 mm, Fe 3/4"	0.430 kg	1	62231
Reduction inserts Size B, Cu 1.1/8"	0.343 kg	1	62232
Reduction inserts Size C, Cu 32 mm, Cu 1.1/4"	0.310 kg	1	62233
Reduction inserts Size D, Cu 35 mm, Cu 1.3/8″	0.290 kg	1	62234
Reduction inserts Size E, Cu 42 mm, Fe 1.1/4"	0.220 kg	1	62235
Reduction inserts Size F, Fe 1.1/2"	0.160 kg	1	62236
Reduction inserts Size G, Cu 54 mm, Cu 2.1/8″	0.200 kg	1	62237

 $The reduction insert size E, 42\,mm \,serves \,as \,an \,adaptor \,piece \,for \,fitting \,ROFROST \,Turbo \,1.1/4" \,reduction inserts \,No. \,62217 \,and \,No. \,62211 \,and$ 

# **ROFROST** heat conductive paste

Thermal compound for use when freezing copper pipes from  $10-54\,\text{mm}$  or steel pipes from 1/8-2''

#### **Application Benefits**

 Heat conductive paste enables fully automatic freezing without spraying!



For a perfect freezing result

ROTHENBERGER

Heat conductive paste enables fully automatic freezing without spraying!

Model	Weight	PU	No.
ROFROST heat conductive paste 150 ml	0.150 kg	1	62291

# ROFROST CO<sub>2</sub> Set

# Freezing unit for the freezing of pipes up to 2" without electricity

Maintenance, repair and expansion work in sanitary and heating installation. No electrical connection required

#### **Application Benefits**

- Flexible use, freezing possible without electricity
- Because of the low temperature (up to -79 °C) the dry ice enables a faster freezing as every other electrical freezing unit that uses refrigerant
- Piping up to 2" can be frozen with just one unit
- Freezer heads made out of extremely cold-resistant special plastic

#### **Technical Data**

Working area diameter copper pipe	10-54 mm
Working area diameter steel pipe	1/8-2"

# Set without carbon dioxide bottles!





Model	Weight	PU	No.
ROFROST CO₂ Set Cu 10–54 mm, Cu 1/2–2.1/8″, Fe 1/8–2″	4.900 kg	1	65030

#### **ROFROST Freezer Heads**

Freezer head for the ROFROST dry ice set. For freezing copper pipes upt to 60 mm and steel pipes up to 2"

Freezer head for maintenance, repair and expansion work in sanitary and heating installations. No power connection required

### **Application Benefits**

• Freezer head for the ROFROST dry ice set



Model	Weight	PU	No.
ROFROST freezer heads Size 1, Cu 10–12 mm, Cu 1/2", Fe 1/8"	0.060 kg	1	65035
ROFROST freezer heads Size 2, Cu 14–15 mm, Fe 1/4"	0.060 kg	1	65036
ROFROST freezer heads Size 3, Cu 16–18 mm, Cu 5/8″, Fe 3/8″	0.070 kg	1	65037
ROFROST freezer heads Size 4, Cu 22 mm, Cu 3/4–7/8", Fe 1/2"	0.070 kg	1	65038
ROFROST freezer heads Size 5, Cu 28 mm, Cu 1.1/8", Fe 3/4"	0.110 kg	1	65039
ROFROST freezer heads Size 6, Cu 35 mm, Cu 1.3/8″, Fe 1″	0.110 kg	1	65040
ROFROST freezer heads Size 7, Cu 42 mm, Cu 1.5/8", Fe 1.1/4"	0.210 kg	1	65041
ROFROST freezer heads Size 8, Fe 1.1/2"	0.210 kg	1	65042





# ROSCOPE MINI ROCAM MINI HD











Application	Hollow spaces	Application	Hollow spaces	Residential	Locating of sondes
Pipe diameter	0	25 mm camera head	0	Ø 40–100 mm	0
Display size	2.5″	30 mm camera head	0	0	0
Touchscreen	0	40 mm camera head	0	0	0
Cable length	1.2 m	Display size	7″	7″	7″
Cable diameter	5.5 mm	Touchscreen	•	•	•
Camera head	Ø 8.5 mm	Cable length	1 m	22 m	0
Self levelling	180° digital rotatable	Metre counter	0	0	0
Transmitter	0	Cable diameter	7 mm	7 mm	0
Frequency	0	Self levelling	•	•	0
Picture format	JPG	Transmitter	0	•	0
Picture resolution	320 × 240 px	Frequency	0	512 Hz	512 Hz, 640 Hz, 33 kHz
Video format	0	Picture format	JPG	JPG	0
Video resolution	0	Picture resolution	1,920 × 1.080 px	1,920 × 1,080 px	0
Storage	Built-in memory	Video format	AVI	AVI	0
Wi-Fi transmitter	0	Video resolution	1.920 × 1,080 px	1,920 × 1,080 px	0
Protocol feature	0	Storage	SD card	SD card	0
Audio recording	0	Wi-Fi transmitter	•	•	0
Data handling	0	Protocol feature	•	•	0
		Audio recording	via headphones	via headphones	0
		Data handling	via app	via app	via app
Page	228	Page	230	230	231

# **ROCAM 4 PLUS**

**ROCAM 4 PLUS 65 m** ROCAM 4 PLUS 30 m Mini module







Application	Municipal	Municipal	Residential
25 mm camera head	0	0	Ø 40-100 mm
30 mm camera head	Ø 70-150 mm	Ø 70-150 mm	0
40 mm camera head	Ø 100-300 mm	Ø 100-300 mm	0
Display size	10.4″	10.4″	10.4″
Touchscreen	•	•	•
Cable length	30 m	65 m	16 m
Metre counter	•	•	•
Cable diameter	7 mm	7 mm	5.5 mm
Self levelling	•	•	0
Transmitter	•	•	0
Frequency	33 kHz	33 kHz	0
Picture format	JPG	JPG	JPG
Picture resolution	720×600 px	720×600 px	720×600 px
/ideo format	AVI	AVI	AVI
/ideo resolution	720×600 px	720×600 px	720×600 px
Storage	SD card	SD card	SD card
Wi-Fi transmitter	•	•	•
Protocol feature	•	•	•
Audio recording	•	•	•
Data handling	via app	via app	via app
Page	232	233	233

# **ROSCOPE MINI**

A constant companion-by having an extremely compact design, it can be stowed tidily into every tool case. Minor works, like the inspection of hollow spaces are not a challenge anymore. The combination of its robust construction with modern technology makes it a tool for every toolbox







#### **Application Benefits**

- · Intuitive handling with the first touch
- The Ø 8.5 mm camera head and the 120 cm camera cable are perfect for minor works and are maximizing the pace of work
- Electronical 180° rotation for the perfect perspective in every situation
- Waterproofed camera head
- Tool less mounting of accessories like the magnet or 90° mirror

#### **Technical Data**

Dimensions	152×90×40 mm
Resolution	320 × 240 px
Display size	2.5″
Cable length	1.2 m
Cable diameter	5.5 mm
Cable head	Ø 8.5 mm
Leveling	180° digital rotatable
Storage	30 pictures

# Ø 8.5 mm waterproof camera head Perfect working conditions Adjustable illumination in small diameters 7 light levels for best lighting conditions 1.2 m camera cable For quick and easy inspection Included belt clip Comfortable wear 180° rotatable picture Fast and precise analysis on a 2.5" display with triple zoom ROTHENBERGER Space-saving storage can be easily wound up around **Intuitive handling** Accessories included Self-explanatory service in live and review mode Integrated magnet for catching metal pieces and mirror for the perfect view in a 90° bow Magnet-accessory

Quick inspection of hollow spaces before and after installations



Always ready to hand, due to handy belt clip



Set (No. 1000002268) includes: ROSCOPE MINI basic unit, mirror and magnet accessories, 4×AA batteries, ROBOX B2350 (No. 1500002641)

Model	Weight	PU	No.
ROSCOPE MINI set	0.530 kg	1	1000002268

Mirror-accessory



# **ROTHENBERGER** apps

#### Apps for smartphone and tablet to edit and send recorded image data

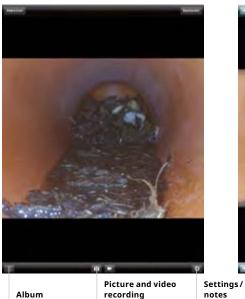
# **Application Benefits**

- Wi-Fi transmitter allows a image transfer live from the camera to mobile devices
- Integrated editing function to mark and name specific pipeline damages
- Synchronizing of stored images of the camera to allow further processing
- Sending of edited pictures directly from the place of action
- Automatic generation of a damage report in PDF, which is individually customizable

# **Technical Data**

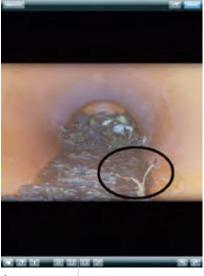
ROSCOPE i2000	)
Compatibility	iOS 5.1–13.0, Android 4.0 or newer
Size	4.1 MB
ROCAM 4	
Compatibility	iOS 8.1 or newer, Android 4.0 or newer
Size	12 MB
ROTHENBERGE	R арр
Compatibility	iOS 8.1 or newer, Android 4.0 or newer
Size	73.3 MB

### Live image





**Editing display** 



Editing

#### **Album**



The ROCAM 4 PLUS and ROSCOPE i2000

apps will be integrated into the

ROTHENBERGER app in 2023.

Album recording

Color palette Pen and rubber Text

Available for iOS (until version 13.0) and Android!

Rectangle, circle, arrow

Sending of edited pictures directly from the place of action





#### riaco inspection

# **ROCAM MINI HD module 25/22 HD**

#### **Cordless inspection camera**

In residential area for pipes from Ø 40-110 mm

#### **Application Benefits**

- Full-HD and TrueColor for fast and accurate analysis
- 22 m cable for more independence
- Optimized cable stiffness and head geometry to pass up to six 90° bends (50 mm tubes) / three 90° bends (40 mm tubes)
- Integrated Bluetooth® module for connecting headphones to add voice recording
- Wi-Fi module for perfect connection between smartphone and ROCAM MINI HD. With the help of the app, the entire gallery of the ROCAM MINI HD can be accessed and shared directly.
- Livestream function via app to share the screen with the customer for a professional appearance









#### **Technical Data**

Battery voltage	18 V
Application range	Ø 40–110 mm
Picture and video resolution	1,920 × 1,080 px
Cable diameter	7 mm
Camera head	Ø 25 mm
Storage type	SD card 32 GB
Locator transmitter	512 Hz
Waterproof	10 m
Display	Touchscreen 7"



#### App functionality

Full functions for live streaming and easy data sharing via iOS and Android

#### **Multiple battery systems**

Suitable for AMPShare or CAS battery systems

# 22 m reel

For inspecting pipelines of multi story family houses





Livestream transmission to a mobile device for a professional appearance at the customer



Available in the manufacturer-independent battery systems AMPShare – Powered by Bosch or CAS – CORDLESS ALLIANCE SYSTEM

**Set (No. 1000003922) includes:** ROCAM MINI HD display, module 25/22 HD, module TEC, guidance ball, RO BP18/2, 2.0 Ah 18V battery, RO BC14/36 charger, ROCASE 6427 with thermoformed insert

Model	Weight	PU	AMPShare-No.	CAS-No.
Module 25/22 reel	5.000 kg	1	1000004125	1000003920
ROCAM MINI HD, display incl. module TEC	3.800 kg	1	1000004126	1000003921
ROCAM MINI HD, module 25/22 HD, set EU	9.000 kg	1	1000004127	1000003922
ROCAM MINI HD, module 25/22 HD, set UK	9.000 kg	1	1000004128	1000003965
ROCAM MINI HD, module 25/22 HD, baretool	8.600 kg	1	1000004131	1000003960



# **ROCAM MINI HD module ROLOC PLUS HD**

# Probe locator for locating the camera head of the ROCAM MINI HD module 25/22 HD

The ROLOC PLUS module is suitable for precise locating of the camera head of the ROCAM MINI HD module 25/22 HD as well as the camera heads Ø 30 mm and Ø 40 mm of the ROCAM 4 PLUS. Other locating sensors with compatible frequency can also be located.

#### **Application Benefits**

- · Pinpoint localization of probes
- Exact depth measurement
- Different frequencies selectable
- Optimized menu design guides step by step through the locating process
- Telescope function for convenient transport in the case

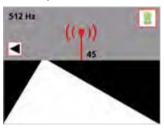
#### **Technical Data**

Functional range	Vertical 0.6–1.8 m Horizontal 0–4.5 m
Frequencies	512 Hz, 640 Hz, 50/60 Hz passive, 33 KHz active/passive
Depth measurement	1.5 m

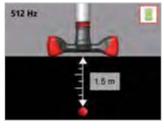
With the help of the ROLOC PLUS HD module the locating transmitter can be quickly and easily found



Target is left of the running direction. Correction of your direction to the left is necessary.



Depth measurement with a push of the button













Available in the manufacturer-independent battery systems AMPShare – Powered by Bosch or CAS – CORDLESS ALLIANCE SYSTEM

Model	Weight	PU	AMPShare-No.	CAS-No.
ROCAM MINI HD, module ROLOC PLUS HD, set EU	8.900 kg	1	1000004133	1000003963
ROCAM MINI HD, module ROLOC PLUS HD, baretool	7.900 kg	1	1000004137	1000003964
ROLOC PLUS HD	4.500 kg	1	1000004132	1000003962

**ROCAM 4 PLUS 30 meter** 

Inspection camera for pipes from Ø 40–300 mm with 30 or 65 m cable length, with integrated software for documentation and large removable 10.4" touchscreen.

#### **Application Benefits**

- Picture editing, change of camera settings and menu guidance via the 10.4" color-touchscreen
- Direct recording of pictures (JPG) or video (AVI, resolution 720 × 600 px) as well as editing options (e.g. documentation of damage)
- Fast data recording with integrated keyboard to mark, highlight and name damages
- Picture and video transmission via Wi-Fi, Micro-HDMI, Mini-USB, SD card
- Livestream of picture and data via Wi-Fi to the ROCAM 4 app
- Self-levelling and exchangeable camera heads
- Exchangeable reels for various working ranges
- · New platform based battery technology

Please note: This machine cannot be upgraded to a 65 m cable.













#### **Technical Data**

Picture and video format	JPG / AVI (resolution 720 × 600 px)
Camera head	Ø 25 mm, waterproof with 8 LEDs Ø 30 mm, self-levelling and waterproof with 10 LEDs Ø 40 mm, self-levelling and waterproof with 36 LEDs
Working range	Ø 40–100 mm (mini module) Ø 70–150 mm (30 mm camera head) Ø 100–300 mm (40 mm camera head)
Cable length	65 m version 30 m version 16 m mini module (optional)
Cable diameter	7 mm (30 m and 65 m reel) 5.5 mm (mini module)
Transmitter frequency	33 kHz
Power supply	Li-Ion battery 18 V / 4 Ah Main adaptor 110–230 V, 50–60 Hz (optional)



Li-Ion battery 18 V / 4.0 Ah (same as ROMAX 4000)

Long battery operation time (up to 6 hours)

### Digital metre count

Precise determination of distance to camera head

#### **Integrated microphone**

Voice recording for documentation possible

# Exchangeable reel system 65 m / 30 m / 16 m

Large operating range from Ø 40–300 mm pipe diameter

Cover protected connections for SD card, Micro-HDMI and Mini-USB



Locating with ROSCOPE module



**Set (No. 1500002613) includes:** ROCAM 4 PLUS, 30 m cable, Ø 30 mm camera head, guidance ball, accessory bag including location transmitter, USB-cable, pencil, RO BP18/4, 4.0 Ah 18V battery, RO BC14/36 charger, ROCASE 4414

Model	Weight	PU	No.
ROCAM 4 PLUS 30 m cable, 30 mm camera head, EU	18.500 kg	1	1500002613
ROCAM 4 PLUS 30 m cable, 40 mm camera head, EU	18.500 kg	1	1500002614
ROCAM 4 PLUS 30 m cable, 40 mm camera head, mini module	19.500 kg	1	1000001938

# **ROCAM 4 PLUS 65 meter**

Inspection camera for pipes from Ø 40–300 mm with 65 m cable length, with integrated software for documentation and large removable 10.4" touchscreen



















Transport trolley with extendible handle

Comfortable transport over long distance

Set (No. 1500002615) includes: ROCAM 4 PLUS, 65 m cable, Ø 30 mm camera head, guidance ball, accessory bag including location transmitter, USB-cable, pencil, RO BP18/4, 4.0 Ah 18V battery, RO BC14/36 charger, ROCASE 4414

Model	Weight	PU	No.
ROCAM 4 PLUS 65 m cable, 30 mm camera head, EU	23.500 kg	1	1500002615
ROCAM 4 PLUS 65 m cable, 40 mm camera head, EU	23.500 kg	1	1500002616
ROCAM 4 PLUS 65 m cable, 40 mm camera head, mini module	24.500 kg	1	1000002481

Part of the CAS battery platform



Transport trolley with extendible handle



# **Extension modules**

Easy extension of the working range from Ø 40–300 mm by quick change of the reel

#### **Application Benefits**

- Professional inspection of small pipe diameters
- Easy handling due to Exchange reel system
- Subsequent extension of the range to 65 m possible

# **Technical Data**

Ø 40–100 mm		
Ø 25 mm		
5.5 mm		
Weight	PU	No.
1.314 kg	1	1500003296
		1500002892
	Ø 25 mm 5.5 mm  Weight 1.314 kg	Ø 25 mm 5.5 mm Weight PU



#### **ROCAM** camera heads

Camera heads made of high-quality materials for professional inspection of pipes from Ø 70–300 mm

# **Application Benefits**

#### **Excellent brightness**

- The ROCAM camera head Ø 30 mm has over 10 ultra bright LED lights, that effortlessly illuminate pipes up to Ø 150 mm
- The camera head can be mounted with a Ø 40 mm camera head for larger pipe diameters

#### Pressure tight screw slip-ring connection

- Pressure tight connection (3 bar) between camera head and push cable
- · High resistance to shock and impact
- · Quick and toolless exchange of the camera heads
- · No burden from electrical connections

#### High flexibility and resistant

- Flexible spring provides 90° curveablity in pipes up to Ø70 mm when enough stability is provided
- Pressure tight up to 3 bar with the stainless steel casing
- Scratch and impact resistant with the sapphire glass objective



# **Application Benefits**

#### Mountable transmitter

- Optional 33 kHz transmitter can be used to determine the length of the camera head (90° from Ø 70 mm)
- In small pipe diameters the transmitter can also be used without the camera head to determine the course of the pipe without a visual inspection

#### **Technical Data**

Camera head	Ø 30 mm with 10 LED lights Ø 40 mm with 36 LED lights self-leveling and waterproof
Brightness	175 lx (0.5 m), camera head Ø 30 mm 666 lx (0.5 m), camera head Ø 40 mm

**Automatic self-levelling** 



Excellent illumination



Pressure tight screw slip-ring



Model	Weight	PU	No.	
Camera head Ø 30 mm	0.190 kg	1	1500000123	

High flexibility and durability



Mountable transmitter



Model	Weight	PU	No.
Camera head Ø 40 mm	0.410 kg	1	1500000122

# **Rolling skids**

#### Recommended for distances from 10 m

Rolling skids RS40/150 for pipes Ø 150–200 mm Rolling skids RS40/200 for pipes Ø 200–300 mm

#### **Application Benefits**

- Optimized view of the pipe section
- Less pushing resistance with the fully rubberized wheels





No. 69118

....

PU	No.
1	1000001836
	1

Weight	PU	No.
0.700 kg	1	69118
0.700 kg	1	69119
	0.700 kg	<b>J</b>

#### **Guidance balls**

# For centring of the camera head in pipes for a better overview and illumination

Guidance ball for pipes Ø 70–150 mm Guidance ball with brush attachment for pipes Ø 70–200 mm

#### **Application Benefits**

- Optimized view of the pipe section through centring in the pipe
- Dirt will not accumulate in front of the lens



No. 69112/1500000817



No. 69111 / 1500000120

For camera heads Ø 30 mm	Weight	PU	No.
Guidance ball for Ø 150 mm	0.200 kg	1	1500000120
Guidance ball for brush attachments	0.200 kg	1	1500000817

For camera heads Ø 40 mm	Weight	PU	No.
Guidance ball for Ø 200 mm	0.200 kg	1	69111
Guidance ball for brush attachments	0.200 kg	1	69112

#### **Brush attachments**

# For centering the camera head and for improving sight in pipes from $\emptyset$ 100–200 mm

Brush attachment Ø 100 for use in pipe Ø 100–150 mm Brush attachment Ø 150 for use in pipe Ø 150–200 mm

# **Application Benefits**

- Optimized view of the pipe section through centring in the pipe
- Dirt will not accumulate in front of the lens
- Good curveability with the brush flexibility



Brush attachement spiral feather (rear) Brush attachement camera head (front) No. 69113 No. 69113

Model	Weight	PU	No.
Brush attachment Ø 100 mm <sup>1</sup>	0.200 kg	1	69113

Model	Weight	PU	No.
Brush attachment Ø 150 mm <sup>1</sup>	0.300 kg	1	69117





# Flushing

ROPULS

**ROPULS eDM** 





Page	240	241
Documentation	0	•
Max. water pressure	7 bar	7 bar
Max. pipe diameter	Ø 50 mm	Ø 50 mm
Connection	1″	1″

# Pipe cleaning

ROPOWER HANDY ROSPIMATIC CL ROSPI 6 H+E Plus ROSPI 8 H+E Plus



WC-BLITZ









Operation mode	Manual	Manual	Electric	Manual / Electric	Manual / Electric
Working range	Ø 50–100 mm	Ø 50–100 mm	Ø 20–50 mm	Ø 20-50 mm	Ø 20–50 mm
Max. spiral length	1 m	2.3 m	7.5 m	4.5 m	7.5 m
Spiral diameter	13 mm	16 mm	8 mm	6 mm	8 mm
Power	0	0	0	0	0
Page	250	250	251	249	249

RODRUM M 13 RODRUM M 16 RODRUM L 16 RODRUM L 20 R 550











Page	257	257	257	257	252
Power	620 W	620 W	620 W	620 W	440 W
Spiral diameter	13 mm	16 mm	16 mm	20 mm	16 mm
Max. spiral length	30 m	45 m	45 m	60 m	40 m
Working range	Ø 70–100 mm	Ø 70–125 mm	Ø 70–125 mm	Ø 125–250 mm	Ø 20–100 mm
Operation mode	Electric	Electric	Electric	Electric	Electric

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Decalcifying			Demi	Demineralization		
ROCAL 20 ROMATIC 20				Cart	ridge PUR	RE H <sub>2</sub> 0
Tank volume	151	15	Dimension	S	М	L
Volume flow	401/min	401/min	Weight	1,5 kg	2,8 kg	5,1 kg
Delivery height	10 m	10 m	Connection	3/4"	3/4"	3/4"
Motor rating	150 W	150 W	Max. temperature	60°C	60°C	60°C
Max. temperature	50°C	50°C	Max. pressure	4 bar	4 bar	4 bar
Flow reversal	Manual	Automatic	Max. water quantity	5 l/min	10 l/min	10 l/min
Page	243	243	Page		244	

Pipe cleaning						
	ROSPI 10 H+E Plus	Manual drain cleaner 3 S	RODRUM S 10	RODRUM S 13	RODRUM VarioClean	

Operation mode	Manual / Electric	Manual	Electric	Electric	Electric
Working range	Ø 20-70 mm	Ø 50–100 mm	Ø 40-70 mm	Ø 50–100 mm	Ø 40–100 mm
Max. spiral length	10 m	15 m	10 m	15 m	10 m* / 15 m
Spiral diameter	10 mm	13 mm	10 mm	13 mm	10 mm* / 13 mm
Power	0	0	440 W	440 W	Battery
Page	249	250	255	255	256

	R 600	R 600 VarioClean	R 650	R 750
	>	3	1	1
	3	-		6
Operation mode	Electric	Electric	Electric	Electric

Operation mode	Electric	Electric	Electric	Electric
Working range	Ø 20–150 mm	Ø 20–150 mm	Ø 20–150 mm	Ø 50-200 mm
Max. spiral length	60 m	60 m	65 m	80 m
Spiral diameter	8 <sup>1</sup> /10 <sup>1</sup> /16/22 mm	8 <sup>1</sup> /10 <sup>1</sup> /16/22 mm	8 <sup>1</sup> /10 <sup>1</sup> /16/22 mm	16 <sup>1</sup> /22/32 mm
Power	690 W	Battery	1,350 W	1,400 W
Page	252	253	254	254

# **ROPULS eDM Flushing Compressor**

For scouring and cleaning of heating systems and flushing of drinking water pipes according to DIN 1988-2/EN 806 with protocol function

Flushing compressor for desludging and cleaning heating systems and drinking water pipes

#### **Application Benefits**

- One unit—three uses for safety and energy efficiency:
- Flushing of floor heating systems / heating circuits
- Flushing of drinking water pipes as per DIN 1988-2/EN 806
- Sanitizing of drinking water pipes
- Compact dimensions and practical carriage for simple handling during transport and at the building site
- Two flushing speeds (impulse and permanent air flushing) for good cleaning results
- Easy to use with the clearly arranged control panel
- Chemical cleaning with ROCLEAN accessories possible
- Free app for easy, professional creation of flushing-protocols as PDF file







#### **Technical Data**

Input power	1.5 kW
Frequency	50 Hz
Voltage	230 V
Particle retention rate	0,3 µm Compressor
Max. water pressure	7 bar
Water temperature	0-30 °C
Max. operating pressure	8 bar
Oil separation rate	99.9%
Flow rate	0.006-5 m <sup>3</sup> /h



For removing deposits in floor heating and radiators

Clean heating systems save energy

Pre-commission cleaning of construction material and residues

Clean, proper hygienic pipe systems

Flushing of drinking water pipes with pulsing compressed air water mix as per **DIN 1988-2/EN 806** 

Safety for plumbers and plant operator

Enables you to change to **ROCLEAN function** 

ROPULS eDM App with documentation



ROPULS eDM with ROCLEAN function for cleaning and conservation



**ROPULS eDM documentation** 

✓ Easy

Fast

**Professional** 

ROCLEAN function, optional available for ROPULS eDM and ROPULS Flushing compressor!

Scope of delivery (No. 1000001134): ROPULS eDM flushing compressor, 2 × 1 m fabric hose 1" with GK coupling

Model	Weight	PU	No.
ROPULS eDM flushing compressor with hoses	28.000 kg	1	1000001134

# **ROPULS eDM App**

Professional working and documentation due to eDM (electronic Data Management)

#### **Application Benefits**

- Report can be e-mailed immediately as a PDF
- Transfer of flushing data via Bluetooth
- Applicable for Android and Windows devices
- · Easy, fast, professional documentation
- Company profiles and protocols individually customizable
- · Live data transfer to handheld unit
- Templates for various flushings-protocols available













# **ROPULS Flushing compressor**

With the same range of functionality as ROPULS eDM, but without eDM (electronic Data Management)



Enables you to change to ROCLEAN function

Scope of delivery (No. 1000000145): ROPULS flushing compressor,  $2 \times 1$  m fabric hose 1" with GK coupling

Model	Weight	PU	No.
ROPULS flushing compressor with hoses	28.000 kg	1	1000000145



Clean heating systems save energy

Pre-commission cleaning of construction material and residues

Clean, proper hygienic pipe systems

Flushing of drinking water pipes with pulsing compressed air water mix as per DIN 1988-2/EN 806

Safety for plumbers and plant operators

ROCLEAN function, optional available for ROPULS eDM and ROPULS Flushing compressor!





Accessories	No.
ROCLEAN Injector	1000000190
Pressure regulator 2 bar	1500000203
ROPULS extension handle	1500003517

**ROCLEAN cleaning and conservation on page 242** 









# **ROCLEAN function**

For cleaning and conserving radiator heating systems, surface heating systems as well as for disinfection of drinking water lines

- The **pressure reducer** has to be installed on the water input side of the ROPULS flushing compressor. This maintains the incoming  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ pressure of the fresh water feed constant at 2 bar.
- The **ROCLEAN injector** has to be installed on the water output side. The injector constantly and securely doses the bottle contents to the system to be cleaned.





# **Cleaning and preservation with ROCLEAN**

#### Cleaning chemicals for radiator heating systems



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For cleaning incrustations and tough deposits. Suitable for all standard pipe materials. Does not stay in system. One bottle per 100 l system volume.



#### **Cleaning chemicals for** surface heating systems

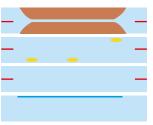


For cleaning of deposits and bio films. Suitable for all standard pipe materials. Does not stay in system. One bottle per 100 l system volume.



# Cleaning and preservation steps:





#### **Preservative for** radiators and surface heating systems



Maintains the cleaned condition and protects the system. One bottle is sufficient for 100 l system volume.



# Disinfection of drinking water systems



Does not stay in system. One bottle per 100 l system volume.



Model	Color code	Weight PU	J No.
Chemical cleaning:			
Radiator heating systems	•	6.300 kg 1	1500000200
Surface heating systems	•	6.300 kg 1	1500000201
Preservative	•	6.300 kg 1	1500000202
Disinfection	•	6.300 kg 1	1500000157

# **ROCAL 20/ROMATIC 20**

#### Decalcifying pump with flow direction change

For the quick decalcifying of heat exchangers, water pipes, water tanks, heat and cooling systems

#### **Application Benefits**

- With the help of the flow reversal (change of the direction of flow) even very hard calcifications and deposits can be loosed
- Approved for fluid temperatures up to 50 °C for especially efficient decalcifying
- Constant circulation of the decalcifying chemical prevents damage that can be caused by the development of gas during decalcification



#### **Technical Data**

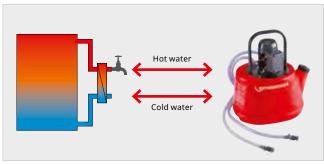
Frequency	50 Hz
Voltage	220-240 V
Working area Temperature	0-50°C
Connection	R 1/2"
Volume flow	40 l/min
Tank volume	15
Pump head	10 m



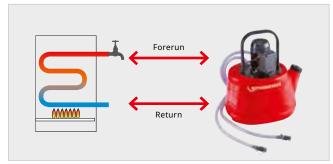




Decalcifying of fresh water stations and external heat exchangers



Decalcifying of heat exchangers, water heaters or drinking water pipes



Scope of delivery: ROCAL 20 (No. 61100) and ROMATIC 20 (No. 61190) each contain:  $2 \times \text{hoses}$  with 1/2 % connection (2 m long),  $2 \times \text{double nipple } 1/2-3/8 \%$ ,  $2 \times \text{double nipple } 1/2-3/4 \%$ ,  $2 \times \text{double nipple } 1/2-3/4 \%$ 

 $\textbf{Scope of delivery: ROCAL\ 20 set (No.\ 19207):}\ ROCAL\ 20 (No.\ 61100),\ ROCAL\ Acid\ Plus\ 5\ kg\ (No.\ 61105),\ Neutraliser\ powder\ 1\ kg\ (No.\ 61115)$ 

Model	Weight	PU	No.
ROCAL 20	8.300 kg	1	61100
ROMATIC 20	8.500 kg	1	61190
ROCAL 20 set	11.000 kg	1	19207

#### **Accessories**

Decalcifying chemical for ROCAL 20, ROMATIC 20 see page 246

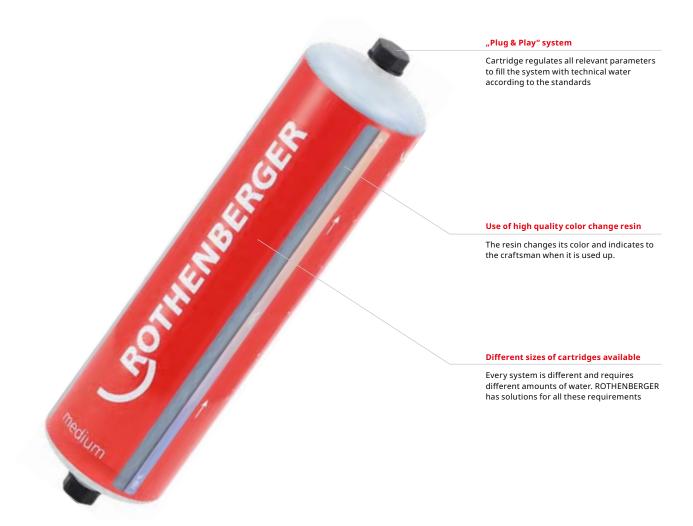
# Demineralization cartridge PURE H<sub>2</sub>0

Demineralization cartridge. Tested 2-component mixed bed resin for reliable full demineralization of the heating water according to VDI 2035

With the new PURE  $\rm H_2O$  demineralization cartridges from ROTHENBERGER, standard-compliant filling of heating systems in accordance with VDI 2035 is quick and uncomplicated. Installers can use the cartridges during new installations and servicing to remove harmful minerals from the filling water.

# **Application Benefits**

- Easy and standard approved filling of any heating system with required technical water
- "Plug and Play" system of the cartridge regulates all relevant parameters to fill the system according to the standards for easy installation
- No additional devices are needed to monitor the sufficient quality of technical water during filling
- Current consumption of the cartridge is displayed with the help of the high quality color change ion-exchange resin





Easy monitoring of the process without additional tools



Screw cap for easy opening and installation



Available in sizes S/M/L and as a set in size S incl. wall bracket and filling hose





Filling heating systems according to standards  $\,$ 



Quick and easy installation "Plug and Play" system



Set in size S with wall bracket and filling hose for the right station for demineralized water  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

# **Technical Data**

	Small (S)	Medium (M)	Large (L)
Dimension	450×80×80 mm	450×80×80 mm	770 × 110 × 110 mm
Weight	1.5 kg	2.8 kg	5.1 kg
Connection	3/4" on both sides	3/4" on both sides	3/4" on both sides
Max. water temperature	60 °C (short term)	60 °C (short term)	60°C (short term)
Max. pressure	4 bar (short term)	4 bar (short term)	4 bar (short term)
Max. water quantity	5 l/min	10 l/min	10 l/min
Capacity at 1°GH¹	2.0001	4.0001	7.0001
Capacity at 14°GH¹	1401	2801	5001

Model	Weight	PU	No.
PURE H2O (S) demineralization cartridge	1.800 kg	1	1500004290
PURE H2O (M) demineralization cartridge	3.000 kg	1	1500004322
PURE H2O (L) demineralization cartridge	6.200 kg	1	1500004325
PURE H2O S-TATION Wall-mounted station set	2.500 kg	1	1500004350

**Decalcifying pumps - Accessories** 

# **ROCAL Acid Multi**

#### Decalcifying chemical for use with ROCAL 20, ROMATIC 20

ROCAL Acid Multi For the safe decalcification of all piping systems, heat exchangers, fresh water stations and water tanks

#### **Application Benefits**

- With color indication. The use of the chemical effects is shown by the change of the fluid color
- Concentrate to mix with water
- With corrosion protection













No. 1500000115

No. 1500000116

No. 1500000117

No. 61105

No. 61106

No. 1500000914

#### ROCAL Acid Multi ROCAL Acid Plus

Copper	•	•
Steel	•	•
Stainless steel	•	0

suitable Ounsuitable

Model	Weight	PU	No.
ROCAL Acid Multi	30.000 kg	1	1500000117
ROCAL Acid Multi	10.000 kg	1	1500000116
ROCAL Acid Multi	5.000 kg	1	1500000115

### ROCAL Acid Multi ROCAL Acid Plus

Aluminium	•	0
Brass	•	0
Plastic	•	0

suitable Ounsuitable

Model	Weight	PU	No.
ROCAL Acid Plus	25.000 kg	1	1500000914
ROCAL Acid Plus	10.000 kg	1	61106
ROCAL Acid Plus	5.000 kg	1	61105

# **Neutralization powder**

# Neutralizes ROCAL Acid Plus / ROCAL Acid Multi

Use is necessary after ROCAL Acid Plus / ROCAL Acid Multi has been used. The neutralizer dissolves in water. The decalcification pump and system are flushed with this solution. The PH value in the system and pump is neutral afterwards

Model	Weight	PU	No.
Neutralizer powder	1.000 kg	1	61115
Neutralizer powder	10.000 kg	1	61120



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230 V

# **ROSOLAR PUMP/ROSOLAR PUMP PLUS**

#### Solar filling pump

For filling and flushing solar systems

# **Application Benefits**

- A powerful centrifugal pump for rapid filling and effective flushing out and ventilation of solar plant
- Optional: robust and heat resistant (up to 90 °C) Impeller pump: Small particles of solid materials are also conveyed without difficulty. Fitted with a pressure relief valve
- Heat resistant hoses (up to 100 °C) allow safe filling and maintenance of solar plant
- A height-adjustable (76–110 cm) telescopic grip for spacesaving storage, simple transport and good handling in tight cellars
- Well thought-through handling: The canister can easily be filled through the large opening. The shut-off valve in the bottom allows simple/uncomplicated emptying of the whole container
- Ball valves for safe removal of filling hoses without accidential spill

#### **Technical Data**

Connection	3/4"
Tank volume	30

Return flow cover with filter



Hose connection with anti-kink protection



Ball valve



# A generously dimensioned container opening

For easy and secure filling

# Optional: A fleece filter bag

For preservation of the internal filter when flushing older plants with strong pollution



# Height-adjustable telescopic grip (76–110 cm)

Small and flexible if required

#### Heat resistant hoses (up to 100 °C)

Safe working—also when servicing solar plant with kink protection at the hose connection

# Optional: impeller pump

Small particles of solid materials are also conveyed without difficulty

# A dirt filter with sight glass

Filters residues out of the medium

Model	Weight	PU	No.
ROSOLAR PUMP PLUS with impeller pump	21.800 kg	1	1500000136
ROSOLAR PUMP with centrifugal pump	23.300 kg	1	1500000135
ROSOLAR fleece filter bag 10 pieces	0.150 kg	1	1500001236
Return flow cover for filter bag	0.220 kg	1	1500001235

 $\textbf{Scope of delivery:} \ ROSOLAR \ Pump \ 2 \times 3 \ m \ hose \ with \ 3/4'' \ connection, \ fleece \ filter \ bag, \ return \ flow \ cover, \ operation \ manual$ 



# **ROPUMP SUPER PLUS**

#### **Professional force pump cleaner**

The optimum introduction tool for the removal of obstructions in basins, bowls, tubs and toilets etc., using water pressure

# **Application Benefits**

- Optimal adaption to the job due to adjustable handle
- Good force transmission with ergonomic handles
- Optimal sealed system and therefore high suction and pressure power with single cast main body
- Simple handling with the perfect adaption to the drain and easy to use with ergonomic formed components

Quick—Compact—Handy!

Short adaptor







Adaptor short
No. 72072

Piston with silicon sealing lip

Flexible, in all directions adjustable handle

Optimal adaption to the

cleaning job

Ergonomic D-handle

Perfect transmission of force and optimal handling

Short and long adaptor included in scope of delivery!

Adaptor long No. 72071







Weight	PU	No.
2.330 kg	1	072070X
2.920 kg	1	1000001762
5.500 kg	1	1000002823
0.400 kg	1	72073
0.160 kg	1	72072
0.660 kg	1	72071
	2.330 kg 2.920 kg 5.500 kg 0.400 kg 0.160 kg	2.330 kg 1 2.920 kg 1 5.500 kg 1 0.400 kg 1 0.160 kg 1

#### **ROPUMP**

Force pump cleaner according to the airpump principle with water pressure Dissolves obstructions in drains, basins, showers, bathtubs etc.

For removing light blockages in connecting pipes of washbasins, showers or bathtubs

### **Application Benefits**

- Small and handy
- Compact and effective



Various areas of application

Model	Weight	PU	No.
ROPUMP with flexible socket	0.500 kg	1	71991

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# **ROSPI H+E Plus**

#### Professional manual and electrical drain cleaning unit

Clean and comfortable removal of obstructions in kitchen, bath, toilets or drainage openings with drain cleaning spiral

#### **Application Benefits**

- Removal of sinks and siphons is not necessary
- Switch from manual to electrical use within seconds
- Secure hold even at higher speeds during drill operation
- Impact-resistant and protected from dirt contamination
- Hexagonal drive for conventional power drills

#### **Technical Data**

Spiral diameter	6/8/10 mm
Working area diameter	3/4-2″
Working area diameter	20-75 mm
Working area Length	7,5 m



Electrical operation with cordless drill

For spare spirals see page 271



Model	Weight	PU	No.
ROSPI 6 H+E PLUS 4.5 m	1.400 kg	1	72090
ROSPI 8 H+E PLUS 7.5 m	3.500 kg	1	72095
ROSPI 10 H+E PLUS 10 m	4.800 kg	1	72005

Manual operation



# **ROPOWER HANDY**

#### Manual drain cleaning unit, Ø 50-100 mm

An universal manual drain cleaning unit for fast clearance of obstructions. The spiral permits the attachment of a wide range of ROTHENBERGER pipe cleaning tools with 16 mm couplings

#### **Application Benefits**

 Additional spiral cleaning effects with the use of a square spiral



**Set (No. 71973) includes:** ROPOWER PROFILE spiral 2.3 m without core (No. 72494), manual crank (No. 71976), safety gloves (No. H81401), separating pin (No. 72100), blade cutter Ø 25 mm (No. 72169)

Model	Weight	PU	No.	
ROPOWER HANDY complete	1.700 kg	1	71975	
Accessories	Weight	PU	No.	
Manual crank	0.400 kg	1	71976	
ROPOWER PROFILE CABLE	1.200 kg	1	72494	

# **WC-BLITZ RO 3 Toilet Cleaner**

#### **Application Benefits**

- Flexible use even in hard-to-reach places
- With tough cleaning bulb auger. Extendable handle and 1 m spiral length, 1/2"
- No damage to ceramic surfaces Angle made out of plastic



Model	Weight	PU	No.
WC-Blitz RO-3 with bulb auger	2.750 kg	1	78551
WC-Blitz RO-3 with tool-coupling	2.900 kg	1	1500001324

# Manual drain cleaner type 3 S

For pipes Ø 40–100 mm Spirals Ø 13 mm × 15 m with 16 mm coupling

#### **Application Benefits**

- Flexible use with a wide range of applications
   For use with all ROTHENBERGER drain cleaning tools with 16 mm couplings
- Cleaning unit with stand Secure use
- Plastic spiral drum

  Corrosion-proof and impact-resistant



**Set includes (No. 72003):** Manual drain cleaner type 3 S (No. 72003), spirals Ø 13 mm × 15 m (No. 72016), cross-blade cutter Ø 35 mm (No. 72176) and separating pin (No. 72100)

Model	Weight	PU	No.
Manual drain cleaner 3 S, complete	17.500 kg	1	72003

# **ROSPIMATIC CL**

#### Professional drain cleaning unit up to Ø 50 mm

Effective removal of obstructions in access lines with a one-of-a-kind spiral forward and reverse system without changing the rotational direction

### **Application Benefits**

- Switch between forward and reverse under full load without the need to change the motor rotational direction
- Unit can be used with any professional cordless drill driver
- Soft stop technology for smooth run out prevents hits to user's wrist
- The spiral drive can be combined with 3 different cleaning tools for more efficient operation (optional)

Optional guide hose prevents pollution of the working place



#### **Technical Data**

Spiral diameter	8 mm
Working area diameter	20-50 mm
Working area Length	7.5 m



With bulb-auger



With coupling for various tools



With flexible guide hose



Easy connection to professional cordless drill driver

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Set (No. 1000002299) includes: ROSPIMATIC CL set incl. spiral 8 mm  $\times$  7.5 m with bulb head (No. 72413), spiral 8 mm  $\times$  7.5 m with coupling (No. 72425), cross-blade auger (No. 72765) and separating key (No. 72102)

**Set (No. 72942) includes:** blade cutter (No. 72764), cross-blade cutter (No. 72765), ball head cutter (No. 72766), separating pin (No. 72102)

Model	Weight	PU	No.
ROSPIMATIC CL spiral 8 mm, bulb auger	3.900 kg	1	1000002298
ROSPIMATIC CL set spiral, cross-blade-auger	6.200 kg	1	1000002299
Spiral 8 mm, wire 2 mm, length 7.5 m, type C1-IC, with core, with bulb auger, for ROSPI 8	2.160 kg	1	72413
Spiral 8 mm / 7.5 m with coupling and core	2.200 kg	1	72425
Tool set 8 mm, 4 pieces	0.100 kg	1	72942

# R 550

#### Drain cleaning machine for pipe Ø 20-100 mm

Reliable, high-performance drain cleaning machine with a variety of general purpose maintenance uses

Especially light, compact and handy design: Ideal for the universal service use by pipe obstructions in connecting pipes from wash basins, toilets, sewage pipes, floor drains and roof drainage







#### **Application Benefits**

- Extremely light
- Direct attachment of 16 mm spirals
- Maximum working length 40 m, with Ø 16 mm S-spiral

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160		Ca	יטו	auc

Input power	440 W
Frequency	50 Hz
Voltage	230 V
Spiral diameter	16 mm
Working area diameter	20-100 mm
Working area Length	40 m
Speed	583 U / min

Model	Weight	PU	No.
R 550 with guide hose	16.000 kg	1	72686
R 550 with spiral & tool set, 16 mm	25.000 kg	1	079890X
Tool sets starting on page 269			

#### R 600

# Drain cleaning machine for pipe Ø 20-150 mm

For installation and maintenance work in hospitals and municipal facilities

Universal use both indoors and outdoors: The powerful motor works reliably even against stubborn obstructions. A wide range of accessories is available







# **Application Benefits**

- Direct up take of 16 mm and 22 mm spirals
- Optional Ø 8 and 10 mm with adaptor magazine possible
- Maximum working length 50 m with Ø 16 mm S-spirals
   Maximum working length 60 m with Ø 22 mm S-spirals
- Technical Data

Input power	690 W
Frequency	50 Hz
Voltage	230 V
Spiral diameter	8-22 mm
Working area diameter	20-150 mm
Working area Length	60 m
Speed	467 U / min

Model	Weight	PU	No.
R 600 with guide hose	20.900 kg	1	72687
R 600 with guide hose, UK	23.500 kg	1	72869
Tool sets starting on page 2	69		

# R 600 VarioClean

#### Drain cleaning machine for pipe Ø 20-150 mm

For working in service areas, hospitals and non-municipal facilities, especially in areas without power supply.

Ideal for plumbers, janitors and pipe cleaners for the effective and flexible removal of blockages in sewage pipes up to 150 mm in diameter. Particularly suitable for use in areas without power supply.

#### **Application Benefits**

- CAS-battery / AMPShare-battery system: For wireless working and increased electrical safety
- VarioClean Electronic: Three speed levels for unblocking, cleaning and clean spinning. Optimal adaptation possibilities to the type of blockage
- Suitable for indoor and outdoor use
- · Compact design and low weight

Available in the manufacturer-independent battery systems AMPShare – Powered by Bosch or CAS – CORDLESS ALLIANCE SYSTEM









#### **Technical Data**

Voltage	230 V
Spiral diameter	8–22 mm
Working area diameter	4/5-6″
Working area diameter	20-150 mm
Working area Length	60 m
Battery number	1 Piece
Battery system	Rechargeable
System battery	CAS or AMPShare
Type battery	Li-HD or ProCORE
Capacity battery	8 Ah
VarioClean speed levels	427/527/614rpm



) kg 1	1000004138	1000003345
) kg 1	1000004139	1000003346
) kg 1		1000003372
C	0 kg 1 0 kg 1 0 kg 1	0 kg 1 1000004139

#### R 650

#### Drain cleaning machine for pipe Ø 20-150 mm

For professional mobile drain cleaning. Compact, robust and powerful, even by the toughest pipe obstructions

Perfectly suited for rough use and in extreme working conditions: Quiet operation and powerful cleaning action, even when cutting through roots or grinding out cement and lime deposits







#### **Application Benefits**

- · Double motor performance (cp. R 600)
- Flexible with drive lever that can be fitted on the side
- Direct up take of 22 mm and 16 mm spirals
- Optional Ø8 and 10 mm with adaptor magazine possible
- Maximum working length 65 m, with Ø 22 mm S-spiral

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Input power	1,350 W
Frequency	50 Hz
Voltage	230 V
Spiral diameter	8–22 mm
Working area diameter	20-150 mm
Working area Length	65 m
Speed	623 rpm

Model	Weight	PU	No.
R 650 inclusive tool set, EU	51.500 kg	1	72680
R 650 with guide hose	22.800 kg	1	72688

#### Tool sets starting on page 269

#### R 750

#### Drain cleaning machine for pipe Ø 20-200 mm

For professional mobile drain cleaning. Compact, robust and powerful, even by the toughest pipe obstructions

Perfectly suited for the cleaning of domestic connections and main pipes: Quiet operation and powerful cleaning action. Usable for such as chain spinning, grinding and cutting roots





# **Application Benefits**

- Drive lever can be rotated (180°), locked and used as a handle for easy wheeling
- Direct up take of 32 mm and 22 mm
- Optional Ø 16 mm with clutch jaw possible
- Maximum working length 80 m, with Ø 32 mm S-spirals

#### **Technical Data**

Input power	1,400 W
Voltage	230 V
Spiral diameter	16-32 mm
Working area diameter	20-200 mm
Working area Length	80 m
Speed	467 rpm

Model	Weight	PU	No
R 750 with guide hose	33.500 kg	1	72689
R 750 without guide hose	33.500 kg	1	72910



#### **RODRUM S**

Drum drain cleaning machine with automatic spiral feed. For pipes from Ø 40-100 mm. Perfectly suited for use in public and commercial buildings

- Compact construction: Ideal for service deployment to unblock pipes in connecting pipes of wash basins, toilets, drainage pipes, floor drainage
- On retraction the dirty spiral moves back into the spiral drum. Due to its clean and discrete operation, the machine is best suited for SHK-companies and their services in private houses, hospitals and clinics, gastronomy and hotels, facility Management and public buildings







#### **Application Benefits**

- · Clean and discreet use
- Easy handling due to automatic spiral feeding and retrieving
- New feeding unit for direct pressure relief by release of the feeding handle
- Machine works with Ø 10 and 13 mm spirals
- Flexible use:

Drum interchangeable for different pipe diameters

• Easy to use:

Feeding and pressure relief with single handle

· Clean:

Spiral in detachable drum

# Interchangeable drum Fast change between Ø 10 mm and **Technical Data** 13 mm spirals, easy to carry Spiral diameter 10-13 mm Working area diameter 40-100 mm Spiral protection ROTHENBL Rubber feet 2-in-1 feeding unit Suitable for Ø 10 mm and No damage to the floor

Fast tension relief from the spiral to prevent damage just by releasing the lever

#### Cleanout slots and drain plug

Easy and fast cleaning of the drum

Weight	PU	No.
25.700 kg	1	1000001257
18.900 kg	1	1000001256
10.400 kg	1	72016
	25.700 kg 18.900 kg	25.700 kg 1 18.900 kg 1

Accessories	Weight	PU	No.
RODRUM S 10 Drum	5.500 kg	1	1000001275
RODRUM S 13 Drum	11.400 kg	1	1000001276
Tool kit 16 mm	5.500 kg	1	1000001308

Spirals, Drain cleaning tools on page 271

Cleaning of floor drain with 13 mm spiral

Ø 13 mm spirals



Set (No. 1000001256) includes: RODRUM S 10, guide hose (No. 1300002581), spiral guide gloves (No. 1500000439)

Set (No. 1000001257) includes: RODRUM S 13, spiral guide gloves (No. 1500000439), chain spinning head (No. 072185F), cross blade cutter (No. 72176), forked cutter (No.72164), bulb auger (No. 72163), retrieving auger (No. 72162), straight auger (No. 72161), seperating pin (No.72100), guide hose (No.1300002581), ROCASE (No. 1300003334) with inlay (No. 1300003372)

Set (No. 1000001308) includes: chain spinning head (No. 072185F), cross blade cutter (No.72176), forked cutter (No.72164), bulb auger (No. 72163), retrieving auger (No. 72162), straight auger (No. 72161), seperating pin (No.72100), ROCASE (No. 1300003334) with inlay (No. 1300003372)

#### **RODRUM VarioClean**

The RODRUM VarioClean is a compact drum machine for removing blockages in pipes from 40-100 mm diameter.

Through its clean and discrete work it is ideally suited for sanitary businesses, janitors, drain cleaners or for use in households, catering and hotels or public buildings because the dirty spiral moves into the drum during the return.

For the removal of blockages in sewage pipes of 40–100 mm in diameter. 10 mm spiral for pipe diameters from 40-70 mm 13 mm spiral for pipe diameters from 50-100 mm

#### **Application Benefits**

- CAS-battery/AMPShare-battery system: For wireless working and increased electrical safety
- VarioClean Electronic: Three speed levels for unblocking, cleaning and clean spinning. Optimal adaptation possibilities to the type of blockage
- VarioClean Electronic: Prevents the drum from running on for a long time
- · DuraFlex spirals: Especially flexible spirals with galvanisation. Optimized for the usage with the batterypowered RODRUM VarioClean









#### **Technical Data**

Voltage	230 V
Spiral diameter	10-13 mm
Working area diameter	40-100 mm (15-40")
Working area Length	15 m
Battery number	1 Piece
System battery	CAS or AMPShare
Type battery	Li-HD or ProCORE
Capacity battery	8 Ah
VarioClean speed levels	275/340/395rpm

Available in the manufacturer-independent battery systems AMPShare - Powered by Bosch or CAS-CORDLESS ALLIANCE SYSTEM

#### LED site light **Spiral protection** Perfect illumination of Fastest possible relief of the spiral by simply releasing the the handle of VarioClean-Elektronic the feeding unit Optimum adaptation to the type of blockage for faster work progress **Brushless Motor** For wear-free work and longer machine life Multiple battery systems Suitable for AMPShare or CAS battery systems Pneumatic foot switch 2 in 1 feeding unit For hands free safe working Suitable for Ø 10 mm and Ø 13 mm spirals Mount for tripod Interchangeable drum Optimum working height for Ouick change between 10 mm or cleaning WC and washbasin 13 mm spirals and easy transport

Model	Weight	PU	AMPShare-No.	CAS-No.
RODRUM VarioClean bare tool, DuraFlex spiral 13 mm, spiral-length 15 m	21.800 kg	1	1000004143	1000003347
RODRUM VarioClean, DuraFlex spirale 13 mm, spiral-length 15 m, 8 Ah battery, charge	r 26.600 kg	1	1000004145	1000003371
RODRUM VarioClean, DuraFlex SMK spiral 13 mm, spiral-length 15 m , tool set 16 mm 8 Ah battery, charger	' 29.000 kg	1	1000004144	1000003348
Accessories	Weight		PU	No.
DuraFlex spiral drum, 13 mm / 15 m	12.500 kg		1	1500003708
DuraFlex spiral 13 mm / 15 m	10.000 kg		1	1500003706
DuraFlex spiral 10 mm / 10 m	4.000 kg		1	1500003707
For spare spirals see page 271				

sink drains

#### **RODRUM M**

Drum drain cleaning machine with automatic spiral feed. For pipes from Ø 70–125 mm. Perfectly suited for use in public and commercial buildings as well as house connection pipes

- RODRUM M is a drum drain cleaning machine with automatic spiral feed for removal of blockages in pipes from Ø 70–250 mm.
- Due to the interchangeable drums the machine can be adapted to different pipe diameters quickly without usage of any tools.
- The dirty spiral runs back into the drum and keeps the surrounding free of dirt.
- The clean and discrete way of working is ideal for Plumbers, facility managers, drain cleaners for jobs in private housholds, as well as public buildings like hotels or restaurants.









#### **Application Benefits**

- Interchangeable drums for quick and easy adaption to different pipe diameters without use of any tool
- · Clean and discreet use
- Easy handling due to automatic spiral feeding and retrieving
- Spiral protection due to direct pressure relief by release of the lever
- Machine works with Ø 13, 16, 20 mm spirals

Technical Data	
Input power	620 W
Spiral diameter	13-16 mm
Working area diameter	70–125 mm
Working area Length	15 m
Speed	270 rpm

Model	Weight	PU	No.
RODRUM M 13 with tool set, EU	45.500 kg	1	1000001711
RODRUM M 16 with tool set, EU	50.200 kg	1	1000001712

# **RODRUM L**

Drum drain cleaning machine with automatic spiral feed. For pipes from Ø 75–250 mm. Perfectly suited for use in public and commercial buildings as well as house connection pipes

- RODRUM L is a drum drain cleaning machine with automatic spiral feed for removal of blockages in pipes from Ø 75–250 mm.
- Due to the interchangeable drums the machine can be adapted to different pipe diameters quickly without usage of any tools.
- The dirty spiral runs back into the drum and keeps the surrounding free of dirt.
- The clean and discrete way of working is ideal for Plumbers, facility managers, drain cleaners for jobs in private housholds, as well as public buildings like hotels or restaurants.









# **Application Benefits**

- Interchangeable drums for quick and easy adaption to different pipe diameters without use of any tool
- Clean and discreet use
- Easy handling due to automatic spiral feeding and retrieving
- Spiral protection due to direct pressure relief by release of the lever
- Machine works with Ø 13, 16, 20 mm spirals

Technical Data	
Input power	620 W
Spiral diameter	16-20 mm
Working area diameter	75-250 mm
Working area Length	30 m
Speed	270 rpm

Model	Weight	PU	No.
RODRUM L 16 with tool set, EU	51.900 kg	1	1000001713
RODRUM L 20 with tool set, EU	68.000 kg	1	1000001714

#### **RODRUM M and L drums**

Pipe cleaning drums with spirals

Spiral drums for quickly and easily extending the range or for adapting the working range of the RODRUM M and L drain cleaning machines to other pipe diameters

#### **Application Benefits**

- Quick-change system for simple adjustment of the machine to other pipe diameters
- · Tool-less exchangeable for quick and easy machine retooling





No. 1000001730

No. 1000001728

Model	Weight	PU	No.
RODRUM drum M 13 incl. spiral 13 mm × 15 m	14.500 kg	1	1000001727
RODRUM drum M 16 incl. spiral 16 mm × 15 m	19.000 kg	1	1000001728
RODRUM drum L 16 incl. 2 × spiral 16 mm × 15 m	38.700 kg	1	1000001729
RODRUM drum L 20 incl. spiral 20 mm × 20 m	36.800 kg	1	1000001730

Accessories	Weight	No.
Straight auger, 20 mm <sup>1</sup>	0.320 kg	1500002253
Funnel auger, 20 mm <sup>1</sup>	0.550 kg	1500002254
Bulb auger, 20 mm <sup>1</sup>	0.400 kg	1500002255
Retrieving auger, 20 mm <sup>1</sup>	0.120 kg	1500002256
Peak-head auger, 20 mm <sup>1</sup>	0.400 kg	1500002257
Cross-blade cutter 50, 20 mm <sup>1</sup>	0.160 kg	1500002258
Cross-blade cutter 65, 20 mm <sup>1</sup>	0.230 kg	1500002259
Cross-blade cutter 90, 20 mm <sup>1</sup>	0.390 kg	1500002260
Chain-spinning head 4 chains, 20 mm <sup>1</sup>	0.300 kg	1500002261
Forked cutter 60, 20 mm <sup>1</sup>	0.100 kg	1500002262

Accessories	Weight	No.
Forked cutter 80, 20 mm <sup>1</sup>	0.150 kg	1500002263
Forked cutter 100, 20 mm <sup>1</sup>	0.200 kg	1500002264
Two-way root cutter 65, 20 mm <sup>1</sup>	0.390 kg	1500002265
Two-way root cutter 90, 20 mm <sup>1</sup>	0.460 kg	1500002266
Adaptor, square-coupling to 22 mm T-coupling	0.250 kg	1500002267
Spiral 13 × 15 with inner core	10.800 kg	1500002271
Spiral 16 × 15 with inner core	15.500 kg	72918
Spiral 20 × 20 with inner core	33.500 kg	1500002268
RODRUM tool kit 16 mm		1000001731
RODRUM tool kit 20 mm		1000001732

1) All 20 mm augers with square coupling



No. 1000001731



No. 1000001732

# Set (No. 1000001731) includes:

ROCASE (No. 1300003334) with inlay (No. 1300003372), chain-spinning head (No. 072185F), cross-blade cutter (No. 72176), forked cutter (No. 72164), bulb auger (No. 72163), retrieving auger (No. 72162), straight auger (No. 72161), separating key (No. 72100)

#### Set (No. 1000001732) includes:

ROCASE (No. 1300003334) with inlay (No. 1300003372), bulb auger (No. 1500002255), cross-blade cutter (No. 1500002259), forked cutter (No. 1500002263), separating key (No. 72101)

Loading device Easy transport due to stair capable chassis





Cleaning of a down pipe with 16 mm spiral







#### R 550 clutch jaws

#### Replacement clamping jaws for pipe cleaning machine R 550

The internal spiral clamping device can be renewed with the clamping jaw set



Model	Weight	PU	No.
Clutch jaw for R 550, for spiral 16 mm	0.100 kg	1	72536
Clutch jaw for R 550, for spiral 16 mm	0.100 kg	1	72538

#### R 750 clutch jaws

Replacement clamping jaws for pipe cleaning machine R 750 for working with 32 mm pipe cleaning spirals

The internal spiral clamping device can be renewed with the clamping jaw set



Model	Weight	PU	No.
Clutch jaws for R 750, 22–32 mm	0.400 kg	1	72563

# Adaptor magazine for R 600/650

#### **Application Benefits**

- Clean, safe storage of 8 and 10 mm spirals
- Impact-resistant container with clutch jaws and precision clutch





Model	Weight	PU	No.
Adaptor magazine for R 600 / 650, for spiral 10 mm, spiral-length 10 m	1.800 kg	1	72515
Adaptor magazine for R 600 / 650, for spiral 8 mm, spiral-length 10 m	1.800 kg	1	72514

#### R 80 / 100 clutch jaws

Replacement clamping jaws for pipe cleaning machine R 80/R 100

The internal spiral clamping device can be renewed with the clamping jaw set



Model	Weight	PU	No.
Clutch jaws for spiral 22 mm	0.400 kg	1	72561
Clutch jaws for spiral 32 mm	0.300 kg	1	72562

#### R 600/650 clutch jaws

Replacement clamping jaws for pipe cleaning machine R 600 / R650 for working with 16 and 22 mm spirals

The internal spiral clamping device can be renewed with the clamping jaw set



Model	Weight	PU	No.
Clutch jaws for R 600 / 650, 16–22 mm	0.300 kg	1	72638
Clutch jaws for R 600 / 650, 16–22 mm	0.300 kg	1	72666

#### Collet for R 750

Clutch jaw for the use of 16 mm spirals with the R 750 pipe cleaning machine

For converting the R 750 pipe cleaning machine to use 16 mm spirals



Model	Weight	PU	No.
Collet for R 750, for spiral 16 mm	0.300 kg	1	72915

Pipe clearing accessories / Bending accessories

# Spiral guide hose for R 750/80/100 SP/R 140 B

#### **Application Benefits**

• Prevents contamination and damage



Model	Weight	PU	No.
Spiral guide hose for R 750, for spiral 32 mm, spiral-length 4 m	4.100 kg	1	72559

#### Spiral guide hose for R 600/650

#### **Application Benefits**

Prevents contamination and damage



Model	Weight	PU	No.
Spiral guide hose for R 600 / 650, for spiral 22 mm, spiral-length 4 m	2.800 kg	1	72541

# Spiral guide hose for R 550

#### **Application Benefits**

• Prevents contamination and damage



Model	Weight	PU	No.
Spiral guide hose for R 550 / RODRUM S, for spiral 16 mm, spiral-length 2 m	1.100 kg	1	72540

#### **Tripod stand**

Tripod base for pipe cleaning machines R 550, R 600, R 650, and R 750. Additionally also for the spiral return device

#### **Application Benefits**

- Collapsible and galvanised
- Provides an ideal working height of the drain cleaning machine, for example: inspection holes in downpipes
- Spiral retrieving device



Model	Weight	PU	No.
Tripartine	3.000 kg	1	58182

# Spiral retrieving device

#### **Application Benefits**

- Safe forward / backward transport of spirals in drop lines
- Suitable for all open wound spirals with Ø 22 mm and 32 mm
- Can also be used as a feed unit for difficult blockages
- Can be used without any problems as an attachment for third-party products
- With water connection (2 connection fittings 1")
- Mount for tripod base







#### Telescoping guide tubes

Telescopic guide tube for kink-free insertion of pipe cleaning spirals up to 22 mm diameter in manholes

For use with pipe and sewer cleaning machines on manholes to safely guide spirals up to 22 mm into the pipeline

#### **Application Benefits**

• No twisting: For safe spiral guidance in manholes and manhole covers

Model	Weight	PU	No.
Telescopic guide tube for spirals Ø 16–22 mm, extended length 1,4–2,3 m, 2 pieces	3.000 kg	1	72130



#### **ROWONAL** care and rust remover

## **Application Benefits**

- · For cleaning, preservation and protection of spirals, couplings and tools
- For cleaning, rust-removal







Model	Weight	PU	No.
ROWONAL Spray can, 0.21	0.220 kg	1	72142
ROWONAL Plastic canister, 5 l	5.100 kg	1	72140

#### **Spiral guide gloves**

# **Application Benefits**

• Safe handling and guiding of pipe cleaning spirals



Model	Weight	PU	No.
Guide glove pair, rubber	0.160 kg	1	1500000439
Guide gloves right, leather	0.190 kg	1	72121
Guide gloves left, leather	0.190 kg	1	72120

# Separating pin

#### **Application Benefits**

• Fast and uncomplicated uncoupling of pipe cleaning spirals and tools



Model	Weight	PU	No.
Separating pin for spirals and tools with Ø 8 mm	0.010 kg	1	72102
Separating pin for spirals and tools with Ø 16 mm	0.010 kg	1	72100
Separating pin for spirals and tools with Ø 22 and 32 mm	0.030 kg	1	72101

# **Spiral baskets**

#### **Application Benefits**

- Safe storage combined with convenient transport
- Perfectly suited for cleaning and preservation







No. 72110

For spirals with Ø 16 mm

For spirals with Ø 22 mm

For spirals with Ø 22-32 mm

Model

Weight PU No. 1.300 kg 72110 2.300 kg 72111 72112 1.600 kg

# **ROTHENBERGER high-performance drain** cleaning spirals

# For the toughest demands during continuous operation **Application Benefits**

- Bevelled lead-ins on the T-groove coupling
- Quick, trouble-free coupling even when wearing gloves
- For the toughest demands even during continuous operation. Different wire gauge can be chosen depending on use, high material characteristics, perfected production process
- Maximum spring tension with high elasticity and flexibility. Specially hardening process

- Optimum high torque transmission. Tightly wound spiral with short pitch
- Increased spiral tension when machine turns clockwise and depending on the resistance of the obstruction. Professional left-handed wound spiral

#### **Technical data**

- Manufactured from quality spring steel, type C DIN EN 10270-1 Material No. 11200
- Specially hardened and tempered
- · Safety T-groove coupling system with NIROSTA- pressure pin locking mechanism
- Spring mounted NIROSTA pressure pin with NIROSTA spring

#### ROTHENBERGER lockring

# Coupling with 100% surface pressure

Self locking connection of spiral and coupling: With increased stress on the spiral, the torque pressure on the spiral end is increased and is transferred with 100% surface coverage onto the coupling.

With lockring

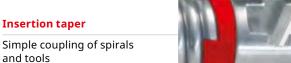
#### Sufficient connecting coil

Spare couplings can be mounted easily



# Various wire gauges

Flexible, depending on use



#### **ROPOWER** profile cable

Additional cleaning effect with the squared profile



#### **Plastic core**

Spiral won't clog with dirt



#### T-groove made of Nirosta steel

Long lasting and high functional safety with the high-quality coupling design

Spiral/type	Short distance many bends	Long distance straight run	No clogging of the spiral with dirt	Additional cleaning power
Standard spiral	•	0	0	0
SMK-spiral	•	0	•	0
DuraFlex spiral	• •	0	•	0
S-spiral	0	•	0	0
S-SMK-spiral	0	•	•	0
ROPOWER profile	0	•	•	•

suitable O unsuitable

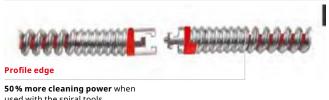
#### **ROPOWER** profile cable

#### Spiral with special galvanized wire shape



#### **Application Benefits**

- Squared spiral wire profile (DIN EN 10270-1) Additional cleaning effect on pipe wall
- Plastic core: No clogging of the spiral with dirt
- · Especially suitable for working over long distances



used with the spiral tools

Model	Weight	PU	No.
Spiral ROPOWER, 16 mm (5/8"), length 2.3 m	1.300 kg	1	72490

#### **SMK-spirals**

#### **Application Benefits**



- · Flexible spiral, for cleaning jobs with short distances with a succession of pipe bends
- Additional protection of the spiral from clogging with the plastic core



Model	Weight	PU	No.
Spiral SMK, 16 mm (5/8″), length 2.3 m, wire 3 mm, R/K C 8	1.240 kg	1	72433
Spiral SMK, 22 mm (7/8″), length 4.5 m, wire 4.5 mm, R/K C 10	4.640 kg	1	72442
Spiral SMK, 32 mm (1.1/4″), length 4.5 m, wire 5 mm, R/K C 11	7.630 kg	1	72452

# S-SMK-spirals

#### **Application Benefits**

- · Very stable spiral with increased wire diameter for long distances and less bends
- High rigidity, suitable for demanding work, such as root cutting, milling
- Additional protection of the spiral from clogging with the plastic core

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Model		Weight	PU	No.
Spiral S-SMK, 16 mm (5/8″), le 2.3 m, wire 3.5 mm, R/K E 8	ngth	1.300 kg	1	72435
Spiral S-SMK, 22 mm (7/8″), le 4.5 m, wire 5 mm, R/K E 10	ngth	4.780 kg	1	72444
Spiral S-SMK, 32 mm (1.1/4″), I 4.5 m, wire 6 mm, R/K E 11	ength	7.850 kg	1	72455

## Standard spirals

#### **Application Benefits**



 Flexible spiral, for cleaning jobs with short distances with a succession of pipe bends



Model	Weight	PU	No.
Spiral standard, 16 mm (5/8″), length 2.3 m, wire 3 mm, R/K C 8	1.050 kg	1	72431
Spiral standard, 22 mm (7/8″), length 4.5 m, wire 4,5 mm, R/K C 10	3.980 kg	1	72441
Spiral standard, 32 mm (1.1/4″), length 4.5 m, wire 5 mm, R/K C 11	6.290 kg	1	72451

# S-spirals

# **Application Benefits**



- · Very stable spiral with increased wire diameter for long distances and less bends
- High rigidity, suitable for demanding work, such as root cutting, milling

**************************************	akkka	AAAAAA	
Model	Weight	PU	No.
Spiral S, 16 mm (5/8″), length 2.3 m, wire 3,5 mm, R/K E 8	3.000 kg	1	72428
Spiral S, 22 mm (7/8″), length 4.5 m, wire 5 mm, R/K E 10	4.180 kg	1	72443
Spiral S, 32 mm (1.1/4″), length 4.5 m, wire 6 mm, R/K E 10	6.500 kg	1	72453

# **DuraFlex spirals**

#### **Application Benefits**



- · Very light and flexible spirals, optimal for use with the battery-operated R600 VarioClean
- Zinc plating for extended service life



Model	Weight	PU	No.
DuraFlex spiral, SMK, 16 mm (5/8″), length 2.3 m	0.800 kg	1	1500003703
DuraFlex spiral, SMK, 22 mm (7/8″), length 4.5 m	3.800 kg	1	1500003704

# **Examples of use**

#### Tool expertise from ROTHENBERGER

Application areas for ROTHENBERGER high-performance drain cleaning tools with T-groove secure couplings

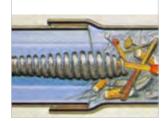
Suitable for all ROTHENBERGER drain cleaning spirals with Ø 16 mm-5/8"; Ø 22 mm-7/8"; Ø 32 mm-1.1/4"

See the following pages for more information on professional tools in various versions and dimensions for loosening obstructions and cleaning drains.

# **Bulb** auger

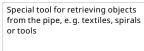


The most common tool for cleaning pipes and drains with tight or multiple bends



# **Retrieving auger**







#### Cross-blade cutter, serrated



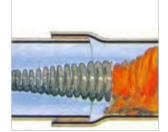
Special tool for opening up solidified pipe obstructions



# **Funnel auger**



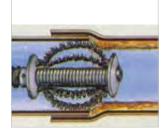
Tool for removing, opening or retrieving obstructions caused by, e.g. textiles



#### Chain-spinning head



For concrete, cast iron and ceramic pipes. Intensive action.



# Spade head cutter



Ideally suited for slit or sludge deposits in pipes, and as a follow-up tool



# **Carbide-tipped cutters**



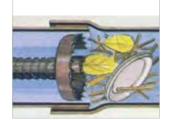
This carbide-tipped tool is used to remove the hardest obstructions such as cement, urine and water scale etc.



# Spiral sawtooth cutter



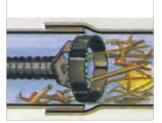
Special tool for chopping up small roots and other material that have become caught in the pipe



# Two-way root cutter



Special tool for cutting roots in both directions. Also suitable for solid materials





## **Bulb auger long**

#### **Application Benefits**

 With the longer, more flexible range the bulb auger is considerably more flexible in curves. Pipe from Ø 40 mm



Model	Weight	PU	No.
Bulb auger long, coupling 16 mm (5/8"), working range 40–75 mm	0.220 kg	1	72158
Bulb auger long, coupling 22 mm (7/8"), working range 50–100 mm	0.464 kg	1	72208

# Straight auger

# **Application Benefits**

- Standard tool for investigating the nature of an obstruction
- For piercing or drilling through obstructions caused by textiles, paper, cellulose materials, kitchen refuse etc.
- For removing samples to determine a suitable clearing tool



Model	Weight	PU	No.
Straight auger coupling 16 mm (5/8″), working range 40–75 mm	0.060 kg	1	72161
Straight auger coupling 22 mm (7/8″), working range 75–100 mm	0.170 kg	1	72221
Straight auger coupling 32 mm (1.1/4″), working range 100–250 mm	0.350 kg	1	72321

# **Funnel auger**

#### **Application Benefits**

- For removing or opening up obstructions caused by textiles or paper
- Large grasping ability can also be used to retrieve spirals from drains



Model	Weight	PU	No.
Funnel auger coupling 16 mm (5/8″), working range 50–100 mm	0.080 kg	1	72165
Funnel auger coupling 22 mm (7/8″), working range 110–150 mm	0.280 kg	1	72222
Funnel auger coupling 32 mm (1.1/4"), working range 100–250 mm	0.500 kg	1	72322

#### **Bulb auger short**

#### **Application Benefits**

- Suitable for tight pipe bends
- Standard, highly flexible tool for clearing light textile and paper obstructions



Model	Weight	PU	No.
Bulb Auger short, coupling 16 mm (5/8"), working range 40–75 mm	0.070 kg	1	72163
Bulb Auger short, coupling 22 mm (7/8"), working range 75–100 mm	0.220 kg	1	72263
Bulb Auger short, coupling 32 mm (1.1/4"), working range 75–250 mm	0.490 kg	1	72363

#### **Retrieving auger**

#### **Application Benefits**

 Special tool designed with a claw for retrieving textiles, tools, spirals etc



Model	Weight	PU	No.
Retrieving auger coupling 16 mm (5/8″), working range 50–75 mm	0.035 kg	1	72162
Retrieving auger coupling 22 mm (7/8"), working range 75–150 mm	0.110 kg	1	72203
Retrieving auger coupling 32 mm (1.1/4"), working range 75–250 mm	0.240 kg	1	72325

# **Drop-head auger**

#### **Application Benefits**

 Ideal for particularly tight pipe bends, branches and small-diameter drain downpipes



Model	Weight	PU	No.
Drop-head auger coupling 16 mm (5/8″), working range 50–75 mm	0.060 kg	1	72159
Drop-head auger coupling 22 mm (7/8″), working range 60–100 mm	0.180 kg	1	72264

#### Four-blade cutter

#### **Application Benefits**

- For cutting through and removing tough obstructions
- For the removal of sludge deposits
- Ideal with S-spirals



#### **Spade head cutter**

#### **Application Benefits**

Curved special tool for silt and sludge deposits



Model	Weight	PU	No.
Coupling 22 mm (7/8″), working range 100–150 mm	0.150 kg	1	72261
Coupling 32 mm (1.1/4″), working range 100–150 mm	0.250 kg	1	72360

#### **Grease cutter**

#### **Application Benefits**

 Standard tool for removing grease and other soft deposits, e.g. soap accumulations



Model	Weight	PU	No.
Coupling 16 mm (5/8″), working range 40–75 mm	0.030 kg	1	72169
Coupling 16 mm (5/8″), working range 50–75 mm	0.040 kg	1	72170
Coupling 16 mm (5/8″), working range 60–100 mm	0.050 kg	1	72171
Coupling 22 mm (7/8″), working range 60–125 mm	0.080 kg	1	72234

#### Spiral sawtooth cutter

## **Application Benefits**

- Special tool for chopping up small roots, branches and other materials
- Not suitable for plastic pipes!



No. 72329

Model	Weight	PU	No.
Coupling 16 mm (5/8″), working range 50–75 mm	0.040 kg	1	72166
Coupling 22 mm (7/8″), working range 75–100 mm	0.100 kg	1	72229
Coupling 32 mm (1.1/4″), working range 75–100 mm	0.210 kg	1	72329

## **Cross-blade cutter, serrated**

#### **Application Benefits**

11

- Powerful combination tool for grinding up and removing solidified obstructions
- For coarse removal of incrustations
- · As preparatory tool for chain spinning

Model	Weight	PU	No.
Coupling 16 mm (5/8″), working range 50–75 mm	0.040 kg	1	72176
Coupling 16 mm (5/8″), working range 50–75 mm	0.030 kg	1	72175
Coupling 16 mm (5/8″), working range 75–100 mm	0.065 kg	1	72177
Coupling 16 mm (5/8″), working range 100–125 mm	0.080 kg	1	72178

- Used for textile or sludge obstructions!
- Hardened, break-proof, spring steel blades!
- Recommended for use with S or SMK-spirals!



No. 72275

Model	Weight	PU	No.
Coupling 22 mm (7/8″), working range 100–125 mm	0.090 kg	1	72275
Coupling 22 mm (7/8″), working range 100–150 mm	0.190 kg	1	72276
Coupling 22 mm (7/8″), working range 100–150 mm	0.220 kg	1	72277

#### 11

# Chain-spinning heads

# Without ring, with smooth chain

#### **Application Benefits**

- For cleaning greasy and incrusted pipes
- Surface-preserving cleaning or ceramic and plastic pipes
- Without ring: improved manoeuvrability in bends





Improved mobility!

Weight	PU	No.
0.120 kg	1	072185F
0.160 kg	1	72185
0.530 kg	1	72284
0.270 kg	1	72187
0.710 kg	1	72289
	0.120 kg 0.160 kg 0.530 kg 0.270 kg	0.120 kg 1 0.160 kg 1 0.530 kg 1 0.270 kg 1



# Chain-spinning heads with spikes

# **Application Benefits**

- Intensive cleaning action
- Ideal for concrete and cast iron pipes
- Reduces the risk of renewed obstructions
- Perfectly suitable for down pipes
- · With ring:
- for better centering in horizontal pipe runs
- Without ring:
- Improved mobility in bends





# Chain-spinning heads with ring and spikes

Model	Weight	PU	No.
Chain-spinning head with ring, with spikes, with 4 chains, coupling 22 mm (7/8″), working range 100–125 mm	1.060 kg	1	72285
Chain-spinning head with ring, with spikes, with 4 chains, coupling 22 mm (7/8″), working range 100–150 mm	1.110 kg	1	72286
Chain-spinning head with ring, with spikes, with 4 chains, coupling 32 mm (1.1/4"), working range 100–125 mm	1.700 kg	1	72341

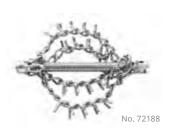
Better alignment in horizontal pipe position!

#### Without ring, with 2 or 4 chains and spikes

Model	Weight	PU	No.
Without ring, with 2 chains			
Chain-spinning head without ring, with spikes, with 2 chains, coupling 16 mm (5/8"), working range 50–125 mm	0.160 kg	1	72186
Chain-spinning head without ring, with spikes, with 2 chains, coupling 22 mm (7/8"), working range 100–150 mm	0.860 kg	1	72278
Without ring, with 4 chains			
Chain-spinning head without ring, with spikes, with 4 chains, coupling 16 mm (5/8"), working range 75–125 mm	0.280 kg	1	72188
Chain-spinning head without ring, with spikes, with 4 chains, coupling 22 mm (7/8"), working range 100–150 mm	0.880 kg	1	72299
Chain-spinning head without ring, with spikes, with 4 chains, coupling 32 mm (1.1/4"), working range 100–200 mm	1.460 kg	1	72348



Improved mobility!



# Carbide-tipped cutter

#### **Application Benefits**

- Carbide-tipped cutters for the hardest obstructions and incrustations such as cement deposits, urine and water scale and other hard deposits
- Recommended for use with S- or SMK-spirals

#### Carbide-tipped cutters!





Model	Weight	PU	No.
Coupling 16 mm (5/8″), working range 40–75 mm	0.070 kg	1	72191
Coupling 16 mm (5/8"), working range 50–75 mm	0.080 kg	1	72193
Coupling 22 mm (7/8"), working range 60–100 mm	0.320 kg	1	72295

# Two-way root cutter

#### **Application Benefits**

- With hardened spring steel cutter for chopping up roots in both directions
- Recommended for use with S- or SMK-spirals
- Not suitable for use with plastic pipes

# Replaceable blades!





Model	Weight	PU	No.
Coupling 22 mm (7/8″), working range 100–125 mm	0.250 kg	1	72265
Coupling 22 mm (7/8"), working range 125–200 mm	0.290 kg	1	72266
Coupling 32 mm (1.1/4"), working range 100–125 mm	0.290 kg	1	72365
Coupling 32 mm (1.1/4"), working range 125–200 mm	0.330 kg	1	72366

#### **Serrated forked cutter**

#### **Application Benefits**

- Particularly suitable for sludge deposits and roots
- Hardened spring steel cutter with teeth on both sides, long service life



Model	Weight	PU	No.
Coupling 22 mm (7/8″), working range 100–150 mm	0.230 kg	1	72250
Coupling 22 mm (7/8″), working range 125–150 mm	0.240 kg	1	72251
Coupling 32 mm (1.1/4"), working range 120–200 mm	0.260 kg	1	72350
Coupling 32 mm (1.1/4"), working range 125–200 mm	0.240 kg	1	72351

#### **Ball head cutter**

#### **Application Benefits**

- Perfectly suited for use in pipes with hard incrustations such as lime, urine scale etc.
- Suitable for downpipes, its round shape ensures excellent curve mobility even at 90°





Model Weight PU No.
4 Blades

4 Diaues			
Coupl. 16 mm (5/8"), range 50–75 mm	0.042 kg	1	72168
Coupl. 16 mm (5/8"), range 50–75 mm	0.080 kg	1	72172
Coupl. 22 mm (7/8"), range100–125 mm	0.198 kg	1	72223
Coupl. 22 mm (7/8"), range 100–150 mm	0.438 kg	1	72224
Coupl. 22 mm (7/8"), range 100–150 mm	0.634 kg	1	72226
Coupl. 32 mm (1.1/4"), range 100–125 mm	0.228 kg	1	72324
Coupl. 32 mm (1.1/4"), range 100–150 mm	0.468 kg	1	72326
8 Blades			
Coupl. 22 mm (7/8"), range 125–150 mm	1.025 kg	1	72227
Coupl. 22 mm (7/8"), range 125–150 mm	1.225 kg	1	72228
Coupl. 32 mm (1.1/4"), range 125–200 mm	1.108 kg	1	72327
Coupl. 32 mm (1.1/4"), range 150–200 mm	1.256 kg	1	72328



# Tool set L, 16 mm, for R 550 / 600 / 650 Ø 16 mm, 10 pieces





Set (No. 72936) includes: ROCASE (No. 1300003334) with inlay (No. 1300003372), separating key 16 mm (No. 72100), retrieving auger 16 mm (No. 72162), bulb auger 16 mm (No. 72163), serrated forked cutter 16 mm (No. 72164), blade cutter 16/25 mm (No. 72169), cross-blade cutter 16/45 mm (No. 72177), chain-spinning head 16 mm with 2 smooth chains (No. 72185), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142)

Model	Weight	PU	No.
Tool set L, 16 mm, for R 550/600/650	1.775 kg	1	72936

# Tool set L, 22 mm, for R 600 / 650 / 750 Ø 22 mm, 11 pieces





**Set (No. 72938) includes:** ROCASE (No. 1300003334) with inlay (No. 1300003372), separating key 22 mm (No. 72101), retrieving auger 16 mm (No. 72203), serrated forked cutter 22 mm (No. 72250), spade head cutter 22 / 65 mm (No. 72261), bulb auger 22 mm (No. 72263), two-way root cutter 22 / 65 mm (No. 72265), cross-blade cutter 22 / 65 mm (No. 72276), chain-spinning head 22 mm with 2 smooth chains (No. 72284), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142)

Model	Weight	PU	No.
Tool set L, 22 mm, for R 600/650/750	3.065 kg	1	72938

# Tool set S, 16 mm, for R 550 / 600 / 650 Ø 16 mm, 5-pieces



**Set (No. 72937) includes:** separating pin 16 mm (No. 72100), straight auger 16 mm (No. 72161), bulb auger 16 mm (No. 72163), blade cutter 16 mm (No. 72169), cross-blade cutter 16 mm (No. 72175)

Model	Weight	PU	No.
Tool set S, 16 mm, for R 550/600/650	0.210 kg	1	72937

# Tool set S, 22 mm, for R 600 / 650 / 750 Ø 22 mm, 6 pieces



**Set (No. 72939) includes:** separating pin 22 mm (No. 72101), straight auger 22 mm (No. 72221), serrated forked cutter 22 mm (No. 72250), spade head cutter 22 mm (No. 72261), bulb auger 22 mm (No. 72263), cross-blade cutter 22 mm (No. 72276)

Model	Weight	PU	No.
Tool set S, 22 mm, for R 600 / 650 / 750	1.050 kg	1	72939

# Spiral-tool set standard, 16 mm Standard Ø 16 mm







Set (No. 072945X) includes: spiral basket 16 mm (No. 72110), 5 × 16 mm standard spirals (No. 72431), straight auger 16 mm (No. 72161), bulb auger 16 mm (No. 72163), blade cutter 16 / 25 mm (No. 72169), separating pin 16 mm (No. 72100), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142), ROCASE (No. 1300003334) with inlay (No. 1300003372)

Model	Weight	PU	No.
Spiral-tool set standard, 16 mm	12.000 kg	1	072945X

# Spiral-tool set standard, 16-22 mm Standard Ø 16-22 mm





Set (No. 072956X) includes: spiral basket 16 mm (No. 72110), 5 × 16 mm standard spirals (No. 72431), straight auger 16 mm (No. 72161), bulb auger 16 mm (No. 72163), blade cutter 16/25 mm (No. 72169), separating pin 16 mm (No. 72100), spiral basket 22 mm (No. 72112), 5 × 22 mm standard spiral (No. 72441), straight auger 22 mm (No. 72221), bulb auger 22 mm (No. 72263), funnel auger 22 mm (No. 72222), spade head cutter 22/65 mm (No. 72261), serrated forked cutter 22/76 mm (No. 72250), separating pin 22/32 mm (No. 72101), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142), ROCASE (No. 1300003334) with inlay (No. 1300003372)

Model	Weight	PU	No.
Spiral-tool set standard, 16–22 mm	38.000 kg	1	072956X

# Spiral-tool set standard, 22 mm Standard Ø 22 mm







Set (No. 072955X) includes: spiral basket 22 mm (No. 72112), 5 × 22 mm standard spirals (No. 72441), straight auger 22 mm (No. 72221), bulb auger 22 mm (No. 72263), funnel auger 22 mm (No. 72222), spade head cutter 22/65 mm (No. 72261), serrated forked cutter 22/76 mm (No. 72250), separating pin 22/32 mm (No. 72101), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142), ROCASE (No. 1300003334) with inlay (No. 1300003372)

Model	Weight	PU	No.
Spiral-tool set standard, 22 mm	24.000 kg	1	072955X

# Spiral-tool set standard, 32 mm Standard Ø 32 mm





Set (No. 072962X) includes: spiral basket 32 mm (No. 72111), 5 × 32 mm standard spirals (No. 72451), straight auger 32 mm (No. 72321), retrieving auger 32 mm (No. 72325), funnel auger 32 mm (No. 72322), spade head cutter 32/65 mm (No. 72360), spiral sawtooth cutter 32/65 mm (No. 72329), separating pin 22/32 mm (No. 72101), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142), ROCASE (No. 1300003334) with inlay (No. 1300003372)

Model	Weight	PU	No.
Spiral-tool set standard, 32 mm	37.000 kg	1	072962X

# DuraFlex spiral and tool set



**Set (No. 1500003705) includes:** spiral basket 16 mm (No. 72110), 5 × 16 mm DuraFlex spirals (No. 1500003703), straight auger 16 mm (No. 72161), bulb auger 16 mm (No. 72163), blade cutter 16 / 25 mm (No. 72169), separating pin 16 mm (No. 72100), spiral basket 22 mm (No. 72112), 5 × 22 mm DuraFlex spirals (No. 15000003704), ROCASE (No. 1300003334) with inlay (No. 1300003372), straight auger 22 mm (No. 72221), bulb auger 22 mm (No. 72263), funnel auger 22 mm (No. 72222), spade head cutter 22 / 65 mm (No. 72261), serrated forked cutter 22 / 76 mm (No. 72250), separating pin 22 / 32 mm (No. 72101), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142)

Model	Weight	PU	No.
DuraFlex SMK spiral and tool set, 16/22 mm	34.000 kg	1	1500003705

# **DuraFlex spirals**

High-quality pipe cleaning spiral made of special DuraFlex steel for removing blockages in pipes.









Model	Weight	PU	No.
DuraFlex spiral drum 13 mm	12.500 kg	1	1500003708
DuraFlex spiral 13 mm	10.000 kg	1	1500003706
DuraFlex spiral 10 mm	4.000 kg	1	1500003707
Spiral DuraFlex, SMK, 16 mm (5/8″), length 2.3 m	0.800 kg	1	1500003703
Spiral DuraFlex, SMK, 22 mm (7/8″), length 4.5 m	3.800 kg	1	1500003704

# **Spirals 6/8/10 mm**

#### For ROSPI H+E PLUS, ROSPI R 36 PLUS, ROSPIMATIC and adaptor magazine

#### **Application Benefits**

- Heavy duty spiral made out of special steel (DIN EN 10270-1) with integrated bulb auger (except No. 72421, 72423)
- Suitable for ROSPI H+E Plus, ROSPI 36 Plus, ROSPIMATIC as well as with adaptor R 600, R 550
- The wire diameter with an 8 mm spiral averages Ø 2 mm, and with 10 mm spirals Ø 2.5 mm
- Easy to use, even in tight bends, especially with 8 mm spirals also directly through sink strainers, crosses and drains without having to disassemble the drain or stench tap



No. 72421 / No. 72423 with T-groove coupling

Model	Weight	PU	No.
Spiral 6.4 mm, wire 2 mm, length 4.5 m, without core, with bulb auger, for ROSPI 6	0.800 kg	1	72522
Spiral 8 mm, wire 2 mm, length 7.5 m, type C1, without core, with bulb auger, for ROSPI 8–36	1.800 kg	1	72412
Spiral 8 mm, wire 2 mm, length 7.5 m, type C1–IC, with core, with bulb auger, for ROSPI 8–36	2.300 kg	1	72413
Spiral 8 mm, wire 2 mm, length 10 m, without core, with bulb auger, for ROSPI 8–36	2.400 kg	1	72414
Spiral 8 mm, wire 2 mm, length 10 m, with core, with bulb auger, for ROSPI 10–36	3.000 kg	1	72415
Spiral 10 mm, wire 2.5 mm, length 10 m, type C5, without core, with bulb auger, for ROSPI 10–36	3.500 kg	1	72422
Spiral 10 mm, wire 2.5 mm, length 7.5 m, type C4, without core, with bulb auger, for ROSPI 10–36	2.900 kg	1	72420
Spiral 10 mm, wire 2.5 mm, length 7.5 m, type C4–IC, with core, with bulb auger, for ROSPI 10–36	3.300 kg	1	72424
Spiral 10 mm, wire 2.5 mm, length 7.5 m, without core, without bulb auger, for ROSPI 10–36	2.850 kg	1	72421
Spiral 10 mm, wire 2.5 mm, length 7.5 m, with core, without bulb auger, for ROSPI 10–36	2.900 kg	1	72423

# Reducing/extension pieces

# For spirals with T-coupling

Within limits, tools with larger or smaller lead-ins can also be adapted  $% \left\{ 1,2,\ldots,n\right\}$ 

#### **Application Benefits**

• Allows the combination of different spiral diameters





Model	Weight	PU	No.
Reducing negative 22 mm, positive 16 mm	0.150 kg	1	72460

Model	Weight	PU	No.
Extension negative 16 mm, positive 22 mm	0.140 kg	1	72461
Extension negative 22 mm, positive 32 mm	0.320 kg	1	72463

# **Safety T-couplings**

# for Standard- and SMK-spirals

For the preparation of damaged spirals

#### **Application Benefits**

Replacing broken spiral couplings

Fixing of broken spirals!



Model	Weight	PU	No.
Safety T-couplings positive	0.020 kg	1	72150
Safety T-couplings negative	0.020 kg	1	72151
Safety T-coupling positive, coupling 22 mm (7/8")	0.040 kg	1	72210
Safety T-coupling negative, coupling 22 mm (7/8″)	0.040 kg	1	72211

# High-pressure drain cleaning

HD 13/100

HD 17/190





Operation mode	230 V	400 V
Max. pipe diameter	150 mm	200 mm
Max. working length	20 m	40 m
Max. pressure	100 bar	190 bar
Pump delivery	131/min	171/min
Power	2,300 W	5,000 W

#### HD 13/100

100 bar high-pressure pipe cleaning unit with hose reel



#### **Application Benefits**

- Air-filled transport wheels, easy to navigate stairs
- AC supplied, self-priming up to 2 m

#### **Technical Data**

Max. operating pressure	100 bar
Electric motor	AC supply
Pump delievery	13 l / min
Rating	2.3 kW
Max. working length	20 m
Speed	1,400 rpm

# Ø 150 mm



Scope of delivery: HD 13/100 (No. 76020), hose reel with 20 m special high-pressure hose (No. 72812) with couplings and pipe cleaning nozzle (No. 76089)

Model	Weight	PU	No.
HD 13/100	45.000 kg	1	76020

#### HD 17/190

190 bar high-pressure cleaner with three-phase motor



#### **Application Benefits**

- Three-phase motor, self-priming up to 2 m
- Air-filled transport wheels, easy to navigate stairs

#### **Technical Data**

Max. operating pressure	190 bar
Electric motor	Three phase
Pump delievery	17 l / min
Rating	5.0 kW
Max. working length	40 m
Speed	2,800 rpm





Scope of delivery: HD 17/190 (No. 76070), hose reel with 40 m special high-pressure hose DN 8 with couplings (No. 72820) and pipe cleaning nozzle (No. 76089)

Model	Weight	PU	No.
HD 17/190	50.000 kg	1	76070

# **High-pressure hose**

High pressure hose for cleaning sewage pipes

# **Application Benefits**

Highly flexible for good sheet travel



Model	Weight	PU	No.
High-pressure hose, flexible, coupling R 1/4″, length 40 m, NW 8, for HD 17 / 190, HD 19 /180 B	10.700 kg	1	72820

# **Wash lance**

Washing lance for use with high-pressure cleaners for cleaning surfaces

#### **Application Benefits**

 Washing lance for thorough cleaning of surfaces with high pressure cleaners



Model	Weight	PU	No.
Cleaning lance with wide-angle nozzle	1.300 kg	1	76068

# Pipe cleaning nozzles

Pipe cleaning nozzle for removing blockages in sewage pipes up to 150 mm in diameter with the HD 13/100, 17/190, 19/180 B high pressure cleaner

For cleaning pipes, drains, house connections, rainwater downpipes or other cleaning work in the sewer area

# **Application Benefits**

• Thorough pipe cleaning even in small pipe diameters



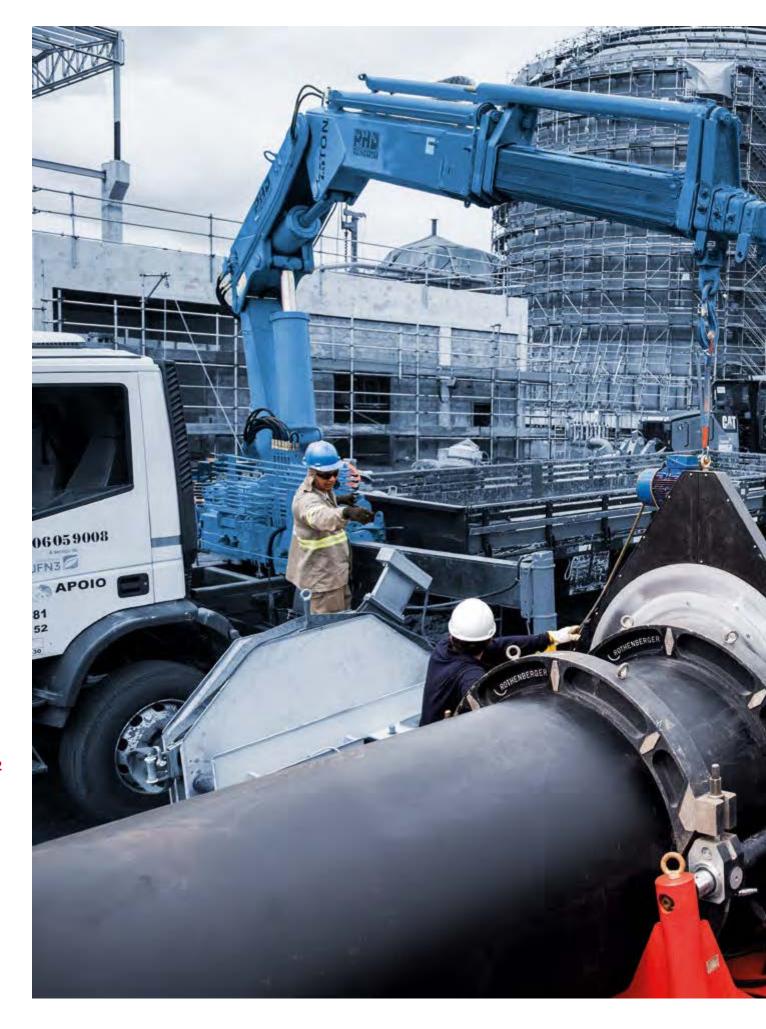


# **Injector suction hose**

for cleaning agent



Model	Weight	PU	No.
Rotary nozzle 45°, 4 holes	0.080 kg	1	77506
Pipe cleaning nozzle with forword jet spray, 5 holes, R 1/4"	0.040 kg	1	76065
Pipe cleaning nozzles without forword jet spray, 5 holes, R 1/4″	0.040 kg	1	76089
Spare wide-angle nozzle	0.010 kg	1	76088
Injector suction hose for cleaning agent, 1.2 m	0.750 kg	1	76067





#### **Butt welding hydraulic Type Premium CNC Type Professional Type Standard Workshop machines** Suited for PE, PP, PVDF PE, PP, PVDF PE, PP, PVDF PE, PP, PVDF Outer pipe diameter 90-630 mm 40-1,200 mm 40-1,200 mm 90-630 mm Operation mode Automatic CNC controlled Manual Manual Automatic Manual Documentation $\bigcirc$ $\bigcirc$ 282 283 284 286 Page

Butt welding manual				
	ROWELD P250A	ROWELD P110		
	- Avi	Jan -	explana.	
	- 300			
Suited for	PE, PP, PVDF	PE, PP, PVDF	PE, PP, PVDF	
Outer pipe diameter	40–250 mm	40–160 mm	40–110 mm	
Wall thickness	see technical data	see technical data	see technical data	
Operation mode	Manual	Manual	Manual	
Page	292	290	289	

		Electrofusion weldin	g	
	ROFUSE 1200 TURBO	ROFUSE 400 TURBO	ROFUSE TURBO S	ROFUSE SANI 160/315
		300	The state of the s	
Suited for	PE, PP	PE, PP	PE, PP	PE
Outer pipe diameter	Up to Ø 1,200 mm <sup>1</sup>	Up to Ø 400 mm <sup>1</sup>	Up to Ø 160 mm <sup>1</sup>	40-160 mm <sup>1</sup> / 40-315 mm
Fitting type	Pressure pipe systems	Pressure pipe systems	Pressure pipe systems	Drainage pipe systems
Voltage	8-48 V	8-48 V	8-48 V	230 V
Documentation	•	•	•	0
Page	294	294	294	295

# **Socket welding**

# **ROWELD P125**

# **ROWELD P63 S-6 Sword**





Page	298	296
Function	Butt welding, socket welding	Socket welding
Operation mode	Manual	Manual
Wall thickness	see technical data	see technical data
Outer pipe diameter	16–125 mm	20-63 mm
Suited for	PE, PP	PE, PP

Socket welding				
	Heating element HE 120	Heating element HE 200	Heating element HE 300	

Page	299	299	299
Operation mode	Manual	Manual	Manual
Wall thickness	see technical data	see technical data	see technical data
Outer pipe diameter	Up to Ø 120 mm	Up to Ø 200 mm	Up to Ø 300 mm
Suited for	PE, PP, PVDF	PE, PP, PVDF	PE, PP, PVDF

Cutting					
	Peeling device	ROCUT UKS 160/355	ROCUT XL		
			8		
Suited for	PE, PP	PE, PP, PVC	PE		
Outer pipe diameter	20-800 mm	160-355 mm	32-315 mm		
Wall thickness	-	Up to max. 40 mm	Up to max. 18 mm		
Operation mode	Manual	Electrical	Manual		
Function	Peeling	Cutting	Cutting		
Page	300	302	303		

# The new generation of ROWELD hydraulic controls for butt welding

The ROWELD hydraulic buttwelding machine is available in a Premium CNC, Professional and Standard Version.

# **Everything at a glance...**

	Type Premium CNC	Type Professional	Type Standard
Operation	automatic	manual	manual
Available sizes	90-630 mm	40-1,200 mm	40-1,200 mm
Pressure display	digital	analogue	analogue
Temperature control	optimized <sup>1</sup>	optimized <sup>1</sup>	standard
Clamping system	single	single	multilayer (single optional)
Service	extended	extended	standard <sup>2</sup>
Datalogging	10,000 protocols	0	optional
Accordance to normatives	DVS/ISO	DVS/ISO	0
Weight optimized machine	•	•	0
Optimized power consumption for generator use	•	•	0
Automatic parameter calculation	•	0	0
CNC-control	•	0	0

<sup>1)</sup> Temperature control + / – 5 °C 2) Only spare parts



#### Special features...



# **Type Premium CNC**

- Lightweight frame and longlife components.
- Triple coating of heating elements for a longer lifetime and better heat distribution.
- Simple operation Via touch control panel.
- Full documentation of the welding process.











# **Type Professional**

- Lightweight frame and longlife components.
- Triple coating of heating elements for a longer lifetime and better heat distribution.







#### **Type Standard**

- Timer and temperature controler integerated in hydraulic.
- Angled frame.





# **Butt welding workshop machines**

#### Scope of application:

The ROTHENBERGER butt welding workshop machines can be used to process pipes made of PE, PP and PVDF into T-pieces, bends, angles or Y-pieces. They are available with both manual control and CNC control. In addition to logging the welding parameters, the CNC control also enables consistent, continuously good quality of the welds.

#### **Application Benefits:**

Due to the torsionally rigid design, the welding forces are transmitted safely. The precise control of the welding forces as well as the electronic adjustment of the heating element temperature enable welding according to DVS 2207 or other international standards and guidelines. The compact design of the machines require a minimum space requirement with maximum possibilities for the production of molded parts.







#### **ROWELD type Premium CNC**

#### Hydraulic butt-welding machine Ø 90-630 mm

The PREMIUM hydraulic system guides the user step by step through the welding process and automatically logs all welding parameters. Welding can be performed according to DVS 2207 as well as other international standards and guidelines. The data transfer is carried out via USB interface.

#### Working range:

Description	Ømm
P250B SA	90-250 mm
P250B VA	90-250 mm
P355B SA	90-355 mm
P355B VA	90-355 mm
P500B SA	200-500 mm
P630B SA	315-630 mm

#### Simple operation

Ideally matched components allow precise start-up of the pressure



# **Flexible**

**Application Benefits** 



• Use of durable materials in lightweight construction

Automatic logging of the welding process

· Easy handling due to touch control panel

Allows reliable weldings in Virtually any environment

Simple operation via touch control panel



Trimmer with safety switch. Secures against unintended activation of the trimmer



Safe operation—automatic calculation, control and inspection of the welding parameters



The pull-off fixture allows rapid lifting out of the heating element



# ROWELD plastic pipe welding machines type Premium CNC<sup>1</sup>

Model	Working range	Voltage	Frequenc	y Power	Weight	No.
ROWELD P250B Premium CNC SA basic set	90-250 mm	230 V	50 Hz	3.2 kW	125.900 kg	1000000560
ROWELD P250B Premium CNC SA basic set	90-250 mm	230 V	60 Hz	3.2 kW	125.900 kg	1000000884
ROWELD P250B Premium CNC VA basic set	90-250 mm	230 V	50 Hz	3.2 kW	132.900 kg	1000000561
ROWELD P250B Premium CNC VA basic set	90-250 mm	230 V	60 Hz	3.2 kW	132.900 kg	1000000885
ROWELD P355B Premium CNC SA basic set	90-355 mm	230 V	50 Hz	4.2 kW	131.800 kg	1000000563
ROWELD P355B Premium CNC SA basic set	90-355 mm	230 V	60 Hz	4.2 kW	131.800 kg	1000000886
ROWELD P355B Premium CNC VA basic set	90-355 mm	230 V	50 Hz	4.2 kW	148.400 kg	1000001081
ROWELD P355B Premium CNC VA basic set	90-355 mm	230 V	60 Hz	4.2 kW	148.400 kg	1000001082
ROWELD P500B Premium CNC SA basic set	200-500 mm	400 V	50/60 Hz	7.2 kW	389.000 kg	1000000565
ROWELD P630B Premium CNC SA basic set	315-630 mm	400 V	50/60 Hz	11.2 kW	526.000 kg	1000000567

<sup>1)</sup> ROWELD basic sets consist of: The basic unit with high-pressure hoses and 4 base clamping units, an hydraulic device, heating element, milling device, adjusting box, set of tools and transport box. The desired reduction clamping elements can be ordered separately in the desired size or as a set for the respective machine size.

# **ROWELD type Professional**

#### Hydraulic butt welding machine Ø 40-1,200 mm

For butt welding of PE, PP and PVDF pipes and fittings on the construction site, in the pipe trench and in workshops. The hydraulic system with infinitely variable pressure adjustment, pressure accumulator and easy-to-read pressure gauge ensures reliable operation through the use of durable and low-maintenance components.

#### Working range:

Description	Ømm	
P160B	40-160 mm	
P200B	63-200 mm	
P250B	90–250 mm	
P355B	90-355 mm	
P500B	200-500 mm	
P630B	315-630 mm	Simple operation
P800B	500-800 mm	Simple operation
P1200B	710–1,200 mm	Ideally matched components allow precise start-up of the pressure
	Some N	

# **Application Benefits**

- Use of durable materials in lightweight construction
- Robust and low-maintenance compact design
- Electronic control of the heating element temperature



# ROWELD plastic pipe welding machines type Professional<sup>1</sup>

Fig. similar

Model	Working rang	e Voltage	Frequency	Power	Weight	No.
ROWELD P160B Professional basic set	40-160 mm	230 V	50 Hz	2.1 kW	76.600 kg	1000000997
ROWELD P160B Professional basic set	40-160 mm	230 V	60 Hz	2.1 kW	76.300 kg	1000000823
ROWELD P200B Professional basic set	63-200 mm	230 V	50 Hz	2.3 kW	64.800 kg	55391
ROWELD P200B Professional basic set	63-200 mm	230 V	60 Hz	2.3 kW	64.400 kg	1000000863
ROWELD P250B Professional basic set	90-250 mm	230 V	50 Hz	2.9 kW	120.400 kg	1000001080
ROWELD P250B Professional basic set	90-250 mm	230 V	60 Hz	2.9 kW	120.000 kg	1000000864
ROWELD P355B Professional basic set	90-355 mm	230 V	50 Hz	3.9 kW	126.300 kg	1000000383
ROWELD P355B Professional basic set	90-355 mm	230 V	60 Hz	3.9 kW	125.900 kg	1000000824
ROWELD P500B Professional basic set	200-500 mm	400 V	50 Hz	6.5 kW	377.000 kg	53415
ROWELD P500B Professional basic set	200-500 mm	230 V	50 Hz	7.8 kW	241.400 kg	53425
ROWELD P500B Professional basic set	200-500 mm	230 V	60 Hz	7.7 kW	240.000 kg	1000000820
ROWELD P500B Professional basic set	200-500 mm	400 V	60 Hz	6.4 kW	375.000 kg	1000000825
ROWELD P630B Professional basic set	315-630 mm	400 V	50 Hz	11.1 kW	527.000 kg	53355
ROWELD P630B Professional basic set	315-630 mm	400 V	60 Hz	11.0 kW	525.000 kg	1000000865
ROWELD P800B Professional basic set	500-800 mm	400 V	50/60 Hz	18.6 kW	747.000 kg	54190
ROWELD P1200B Professional basic set	710-1,200 mm	400 V	50/60 Hz	22.6 kW	1,210.000 kg	54274

<sup>1)</sup> ROWELD basic sets consist of: The basic unit with high-pressure hoses and 4 base clamping units, an hydraulic device, heating element, milling device, adjusting box, set of tools and transport box. The desired reduction clamping elements can be ordered separately in the desired size or as a set for the respective machine size.

**Butt welding** 

#### **ROWELD type Standard**

#### Hydraulic butt welding machine Ø 40-1,200 mm

For butt welding of PE, PP, and PVDF pipes and fittings. For use on the construction site, in pipe trenches, on pipe bridges and in workshops. The ROWELD hydraulic type standard with simple robust components and easy to operate elements works in any environment.

#### Working range:

Description	Ømm
E160B	40-160 mm
E250B	90-250 mm
E315B	160-315 mm
E355B	160-355 mm
E450B	200-450 mm
E500B	200-500 mm
E630B	315-630 mm

Other sizes on request.

# Simple operation





# **Application Benefits**

- · Compact, torsion-resistant design
- Reducers in sandwich construction
- Integrated digital timer and temperature display in hydraulic housing

#### Flexible



Allows reliable weldings in Virtually any environment

Supply of power for heating element and trimmer unit by the hydraulic. Additional plugs for external data logger (optional accessories)



Simple & save monitoring of all necessary welding parameters



Multilayer-inserts for the needed pipe sizes included in the machine sets



Angled frame sizes 450/500/630 mm ensure a better handling during the welding process



# ROWELD plastic pipe welding machines type Standard<sup>1</sup>

Model	Working rang	je Voltage	Frequency	Power	Weight	No.
ROWELD E160B Standard set	40-160 mm	220 V	50 Hz	2.45 kW	57.400 kg	1000003642
ROWELD E250B Standard set	90-250 mm	220 V	50 Hz	3.85 kW	82.200 kg	1000003643
ROWELD E315B Standard set	160-315 mm	220 V	50 Hz	4.45 kW	124.400 kg	1000003644
ROWELD E355B Standard set	160-355 mm	220 V	50 Hz	5.58 kW	140.700 kg	1000003645
ROWELD E450B Standard set	200-450 mm	380 V	50 Hz	8.38 kW	327.000 kg	1000003646
ROWELD E500B Standard set	200-500 mm	380 V	50 Hz	9.50 kW	482.000 kg	1000003647
ROWELD E630B Standard set	315-630 mm	380 V	50 Hz	12.35 kW	502.000 kg	1000003648

<sup>1)</sup> ROWELD standard sets consist of: The basic unit with high-pressure hoses and 4 base clamping units, an hydraulic device, heating element, milling device, adjusting box, set of tools, multilayer inserts and transport box.

# **Reduction inserts sets**

The reduction clamp sets are made of aluminum half shells. When needed they will be fixed in the basic clamps by screws to weld pipes and fittings with smaller diameter

Reducer clamp sets are recommended for all workers who need the complete range of reducer clamps. The set includes 6 wide half shells and 2 small half shells per dimension. They are suitable for gas, water and industrial applications

#### **Application Benefits**

- Easy reducing the basic clamps by reducer inserts
- All possible reducer inserts are combined in a set



Reduction clamp sets



Reduction clamps wide



Reduction clamps small

1	
•	55240
1	55237
1	55241
1	1000000550
1	1000000385
1	55234
1	55232
1	1000000935
1	1000000936
	1 1 1 1 1 1 1 1

# **Butt welding workshop machines**

ROWELD butt welding workshop machines are suitable to manufacture T-pieces, Y-pieces, crosses and elbows. Useable materials are PE, PP and PVDF

They are available with both manual control and CNC control. In addition to logging the welding parameters, the CNC control also enables consistent, continuously good quality of the welds.

#### **Application Benefits**

- Safe transfer of welding forces thanks to the torsionresistant structure
- Welding in accordance with DVS 2207 through electronic adjustment of the heating element temperature
- The compact design of the machines requires minimal space



Exchange of the clamping jaws

Production of a Y-piece on a workshop machine

# Easy to make T-pieces, Y-pieces, crosses and elbows CNC controlled welding Entering the pipe parameters via touch display ENBERGER ROTHENBERGER

Makes checking the weld easier

Swivel arm for control

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Manual workshop machine with tool and reducers



Machine for workshop W315



Machine for workshop W500



Machine for workshop W800

Technical Data	W315	W500	W800
Working area diameter mm	90-315 mm	200-450 mm	45-800 mm
Power	7.250 KW	17.400 KW	47.230 KW
Voltage	380 V, 50 Hz	380 V, 50 Hz	380 V, 50 Hz
Working area Temperature	< 270 °C	< 270 °C	< 270 °C

Model	Weight	PU	No.
Machine for workshop W315	884.000 kg	1	1500004038
Machine for workshop W500	3510.000 kg	1	1500004345
Machine for workshop W800	4900.000 kg	1	1500003965

Further sizes on request

#### **ROWELD P110**

#### Manual plastic pipe welding machine Ø 40-110 mm.

The ROWELD P110 combines a compact design for maximum stability. The high quality and excellent workmanship are noticeable in every detail. Hardened and hard-chrome-plated guide shafts guarantee an absolutely torsion-resistant use of the machine. Thanks to the angle-adjustable basic clamping elements, segmental arc welding is also possible.

#### **Application Benefits**

- · Possibility to produce segmented bends
- Precise force adjustment.
- One- and two-sided planing possible
- To do pipe and fitting joints
- · Secure fixing and simple axial alignment of the pipe





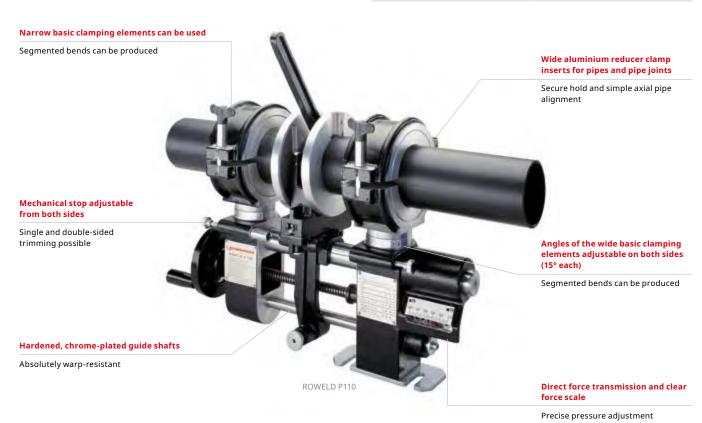






#### **Technical Data**

Input power	800 W
Voltage	220-240 V
Working range	40-110 mm
Working area Temperature	160-285°C
Power plug type	Plug type F (CEE 7 / 4)
Mains frequency	50/60 Hz
Welding material	PE, PP, PVDF



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



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#### **ROWELD P110**

Model	Weight	PU	No.
ROWELD P110 set 40–110 mm, 230 V	43.000 kg	1	55844
ROWELD P110 bare tool with table mounting bracket	6.800 kg	1	55787

### **Basic clamping set**

Model	Weight	PU	No.
Basic clamping set for narrow fitting joints, right, 110 mm, 1 piece	1.000 kg	1	55809
Basic clamping set for narrow fitting joints, left, 110 mm, 1 piece	1.000 kg	1	55808
Basic clamping set for wide pipe joints, 110 mm, 2 pieces	2.500 kg	1	55807

#### **Reduction inserts**

Model	Weight	PU	No.
Reduction inserts narrow, 2 metal half-shells, 20 mm	0.600 kg	1	55319
Reduction inserts narrow, 2 metal half-shells, 25 mm	0.600 kg	1	55134
Reduction inserts narrow, 2 metal half-shells, 32 mm	0.500 kg	1	55133
Reduction inserts narrow, 2 metal half-shells, 40 mm	0.500 kg	1	55132
Reduction inserts narrow, 2 metal half-shells, 50 mm	0.500 kg	1	55131
Reduction inserts narrow, 2 metal half-shells, 56 mm	0.500 kg	1	55130
Reduction inserts narrow, 2 metal half-shells, 63 mm	0.500 kg	1	55129
Reduction inserts narrow, 2 metal half-shells, 75 mm	0.400 kg	1	55128
Reduction inserts narrow, 2 metal half-shells, 90 mm	0.300 kg	1	55127
Reduction inserts wide, 4 aluminium half-shells, 20 mm	1.900 kg	1	55318
Reduction inserts wide, 4 aluminium half-shells, 25 mm	1.900 kg	1	55126
Reduction inserts wide, 4 aluminium half-shells, 32 mm	1.800 kg	1	55125
Reduction inserts wide, 4 aluminium half-shells, 40 mm	1.700 kg	1	55124
Reduction inserts wide, 4 aluminium half-shells, 50 mm	1.700 kg	1	55123
Reduction inserts wide, 4 aluminium half-shells, 56 mm	1.600 kg	1	55122
Reduction inserts wide, 4 aluminium half-shells, 63 mm	1.400 kg	1	55121
Reduction inserts wide, 4 aluminium half-shells, 75 mm	1.600 kg	1	55120
Reduction inserts wide, 4 aluminium half-shells, 90 mm	1.100 kg	1	55119

Accessories	Weight	PU	No.
Hex key KW 8 DIN912	0.050 kg	1	321218
Hex key KW 6 DIN911	0.030 kg	1	321216
Transport box	14.200 kg	1	55832
Flange adaptor clamping unit	1.500 kg	1	55199
Table clamp	0.700 kg	1	55524
Heating plate for P110 electronic, 230 V	2.600 kg	1	55324
Spare blade for planer	0.050 kg	1	55152
Hand plane with machine holder	1.900 kg	1	55826

#### **ROWELD P160 SANILINE**

#### Manual sanitary plastic pipe welding machine Ø 40-160 mm

The P160 Saniline is ideal for the installer. Due to the compact design, she can be stored in each Vehicle. The heating element has an electronic temperature control (DVS compliant) and can be used separately if necessary

#### **Application Benefits**

- High stability due to optimized force distribution
- All common sanitary installation fittings can be clamped.
- Flexible use in difficult positions caused by removable heating plates.
- · Minimized drag force.
- Precise force adjustment.
- · Protection against unintentional starting and derailing of the trimmer unit.
- Secure clamping of pipes, fittings, tight 45° branches and 90° bends













#### **Technical Data**

Input power	1,850 W
Voltage	220-240 V
Working area diameter	40-160 mm
Working area Temperature	5-60°C
Power plug type	Plug type F (CEE 7 / 4)
Mains frequency	50 Hz



#### **ROWELD P160 SANILINE**

Model	Weight	PU	No.
ROWELD P160 Saniline, basic tool	34.400 kg	1	54005
ROWELD P160 Saniline Special Edition, 40–160 mm	68.000 kg	1	54004
Basic clamping set			
Model	Weight	PU	No.
Basic clamping set 160 mm	1.600 kg	1	54082

#### **Reduction inserts**

Model	Weight	PU	No.
Reduction inserts 4 half-shells, 40 mm	1.600 kg	1	54083
Reduction inserts 4 half-shells, 50 mm	1.600 kg	1	54084
Reduction inserts 4 half-shells, 56 mm	1.600 kg	1	54085
Reduction inserts 4 half-shells, 63 mm	1.600 kg	1	54086
Reduction inserts 4 half-shells, 75 mm	1.600 kg	1	54087
Reduction inserts 4 half-shells, 90 mm	1.600 kg	1	54088
Reduction inserts 4 half-shells, 110 mm	1.700 kg	1	54089
Reduction inserts 4 half-shells, 125 mm	1.500 kg	1	54090
Reduction inserts 4 half-shells, 140 mm	1.500 kg	1	54091



Accessories	Weight	PU	No.
Planer blade 75 mm, 2 pieces	0.100 kg	1	55685
Planer blade carbide 75 mm, 2 pieces	0.050 kg	1	55684
Planer attachment 40–75 mm	0.630 kg	1	54040
Conversion Kit 40–50–63–75–90–110–125–160 mm	11.200 kg	1	54080

#### Plastic pipe welding machine Ø 40-250 mm

For use at construction sites and in the workshop. Particularly suited for sanitary installations, drain pipe laying as well as chimney reconditioning with PVDF liners





#### **Application Benefits**

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

#### **Technical Data**

2,700 W
230 V
40-250 mm
5-60°C
Plug type F (CEE 7 / 4)
Yes
50 Hz
PE, PP, PVDF



Torsionally stiff, for minimum drag pressure and low-loss power

#### **ROWELD P250A**

Model	Weight	PU	No.
ROWELD P250A set 40–250 mm, 230 V	131.000 kg	1	55795
ROWELD P250A bare tool 230 V	36.100 kg	1	55768
ROWELD P250A bare tool 110 V	63.000 kg	1	55738

### **Basic clamp sett**

Model	Weight	PU	No.
Basic clamping set 160 mm	7.250 kg	1	55742

### **Reduction inserts**

Model	Weight	PU	No.
Reduction inserts 4 metal half-shells, 32 mm	1.890 kg	1	55753
Reduction inserts 4 metal half-shells, 40 mm	1.890 kg	1	55752
Reduction inserts 4 metal half-shells, 50 mm	1.810 kg	1	55751
Reduction inserts 4 metal half-shells, 56 mm	1.830 kg	1	55750
Reduction inserts 4 metal half-shells, 63 mm	1.750 kg	1	55749
Reduction inserts 4 metal half-shells, 75 mm	1.680 kg	1	55748
Reduction inserts 4 metal half-shells, 90 mm	1.500 kg	1	55747
Reduction inserts 4 metal half-shells, 110 mm	1.260 kg	1	55746
Reduction inserts 4 metal half-shells, 114 mm	1.200 kg	1	55745
Reduction inserts 4 metal half-shells, 125 mm	1.060 kg	1	55744
Reduction inserts 4 metal half-shells, 140 mm	0.800 kg	1	55743
Reduction inserts 4 metal half-shells, 180 mm	2.460 kg	1	55721
Reduction inserts 4 metal half-shells, 200 mm	2.030 kg	1	55718
Reduction inserts 4 metal half-shells, 225 mm	1.410 kg	1	55719



#### **ROWELD ROFUSE TURBO**

Electrofusion welding machine for fittings made of PE and PP. Welding Voltage between 8–48 V.

The ROFUSE TURBO is especially suitable for electro-fusion welding coded fittings in the pressure systems (gas and water supply).

#### **Application Benefits**

- Safe: Full automatic Heat-Control (HC) Function ensures with ambient temperature, machine temperature and fitting data whether the fitting can be weld completely for sure
- Powerful: Due to the Active-Cooling (AC) Function the machine is suitable for continous operation
- Fully equipped: All necessary cable are stowed safely in the robust housing. Additional there is space for some tools and accesory
- Professional Documentation: Safe and transfer (USB) of welding data, as well as print out at a computer with "RODATA 2.0"
- Barcode Generator: "RODATA 2.0" prepares barcodes for construction site and welders name, which can be used for welding on site





#### **Technical Data**

Input power	3,600 W
Voltage	220-240 V
Working area diameter	20-1,200 mm
Working area Temperature	-10-60°C
Output power	3,600 W
Power plug type	Plug type E+F (CEE 7/7)
Documentation	Yes
Welding Voltage	8-48 V
Output current	76 A
Welding material	PE, PP



Model	Weight	PU	No.
ROWELD ROFUSE 400 TURBO	21.500 kg	1	1000000999
ROWELD ROFUSE 1200 TURBO	21.500 kg	1	1000001000
ROWELD ROFUSE TURBO S	10.000 kg	1	1000004403
Adapter pair FF round, 4 mm	0.040 kg	1	54058



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**Electro-fusion welding** 

#### **ROWELD ROFUSE SANI 160/315**

## Universal electrofusion machine for waste-water-fittings up to Ø 315 mm

Universal electrofusion machine for PE fittings of the following manufacturers: 40–160 mm: Geberit, Akatherm-EUR, Coes, Valsir, WAVIN-Duo, Aquatherm and Vulcathene-Euro 200–315 mm: Valsir, Akatherm, Eurofusion, Geberit and Coes

#### **Application Benefits**

- Micro controller controlled welding machine with automatic compensation of the welding time in dependance of ambient temperature
- Icon-based software with automatic welding parameter recognition
- Visual control of the welding process
- · Robust and impact resistant housing

#### **Technical Data**

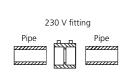
Input power	1,200-2,500 W
Voltage	180-280 V
Working area diameter	40-315 mm
Working area Temperature	-5-40°C
Power plug type	Plug type F (CEE 7 / 4)
Documentation	Yes
Output current	5 A
Mains frequency	50/60 Hz
Welding material	PE

# Welding also in tight space 90° elbow connectors









Connection to welding machine

Welding



90° angeled plugs

Robust packaging in ROCASE

Model	Weight	PU	No.
ROWELD ROFUSE SANI 315 230 V	1.500 kg	1	1500002598
ROWELD ROFUSE SANI 315 in ROCASE	3.900 kg	1	1000002631
ROFUSE SANI 160/315 230 V, CH	1.200 kg	1	054230Z
ROWELD ROFUSE SANI 160 in ROCASE	2.400 kg	1	1000002630

#### **ROWELD P63 S-6 Sword**

#### Socket welder Ø 20-63 mm

socket welder for fittings Ø 20–63 mm. Up to 3 welding combinations are possible at the same time.

#### **Application Benefits**

- High flexibility and combination possibilities in daily use
- Long lifetime according to DVS guidelines
- All important informations at a glance
- Process safety due to temperature control according to DVS quidelines
- Smart and handy for easy working
- Simple working at tight space
- · Mounting is suitable at every time, if needed



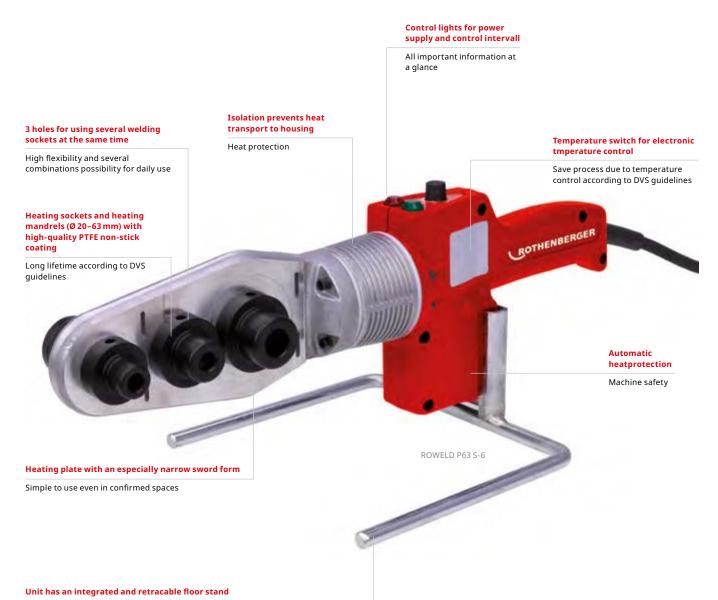






#### **Technical Data**

Input power	800 W
Voltage	100 V / 230 V
Working area diameter	20-63 mm
Working area Temperature	< 330 °C
Power plug type	Plug Type E+F (CEE 7 / 7)
Mains frequency	50 Hz
Welding material	PE, PP



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Floor stand is always available when needed

#### **ROWELD P63 S-6 Sword**

Model	Weight	PU	No.
ROWELD P63 S-6 Sword set electronic, 20–32 mm, 230 V	4.300 kg	1	053890X
ROWELD P63 S-6 Sword set electronic, 20–63 mm, 230 V	5.300 kg	1	053891X
ROWELD P63 S-6 Sword bare tool electronic, 230 V	1.780 kg	1	053896X
ROWELD P63 S-6 Sword thermostatic, 20–63 mm, 110 V	5.300 kg	1	1000001245
ROWELD P63 S-6 Sword bare tool thermostatic, 230 V	1.780 kg	1	053897X
ROWELD P63 S-6 Sword set thermostatic, 20–32 mm, 110 V	1.780 kg	1	1000001270
ROWELD P63 S-6 Sword set thermostatic, 20–32 mm, 230 V	5.100 kg	1	053892X
ROWELD P63 S-6 Sword set thermostatic, 20–63 mm, 230 V	5.300 kg	1	053893X



Fig. P63 S-6, thermostatically controlled



Fig. P63 S-6, electronically controlled

# Heating spigots and sockets (Form A) for P63 S-6

With high quality PTFE non-stick-coating for long lifetime in accordance to DVS guidelines

Accessories for ROWELD P125 for socket welding.

- High quality non-stick teflon coating
- Long lifespan
- According to DVS guidelines



Model	Weight	PU	No.
Heating spigots / Heating sockets form A, 20 mm	0.110 kg	1	53511
Heating spigots / Heating sockets form A, 25 mm	0.143 kg	1	53512
Heating spigots / Heating sockets form A, 32 mm	0.188 kg	1	53513
Heating spigots / Heating sockets form A, 40 mm	0.285 kg	1	53514
Heating spigots / Heating sockets form A, 50 mm	0.406 kg	1	53515
Heating spigots / Heating sockets form A, 63 mm	0.775 kg	1	53516

#### **ROWELD P125**

## Socket welder for Ø 16–125 mm and additional heating plate for butt welding

With 3 welding combinations at the same time. For freehand working or in addition with mounting device for working bench

#### **Application Benefits**

- Safe process due to temperatue control in accordance to DVS, CEN and ISO standards
- With hiogh quality PTFE non-stick coating, long lifetime in accordance to DVS guidelines
- Electronic temperature control as well as protection agains unintentional adjustment of the temperature
- Saving time and costs due to heating plate quick change system
- Optimized temperature all over the working range
- 4 holes for welding socket and mandrels







ROWELD P125 Socket Welder

Heating spigots / Heating sockets



Model	Weight	PU	No.
ROWELD P125 bare tool electronic, 110 V	3.100 kg	1	55322
ROWELD P125 bare tool electronic, 230 V	3.100 kg	1	55321
ROWELD P125 set elektronic, 63–125 mm, 230 V	17.050 kg	1	55546
Adaptor plates with non-stick Teflon coating, 2 pieces	1.150 kg	1	55536
Floor stand	0.440 kg	1	55539

#### **Heating spigots and sockets for ROWELD P125**

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

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



Model	Weight	PU	No.
Heating spigots / Heating sockets 16 mm	0.060 kg	1	55585
Heating spigots / Heating sockets 18 mm	0.080 kg	1	55587
Heating spigots / Heating sockets 19 mm	0.080 kg	1	55588
Heating spigots / Heating sockets 20 mm	0.080 kg	1	55589
Heating spigots / Heating sockets 25 mm	0.100 kg	1	55590
Heating spigots / Heating sockets 32 mm	0.170 kg	1	55591
Heating spigots / Heating sockets 40 mm	0.260 kg	1	55592
Heating spigots / Heating sockets 50 mm	0.370 kg	1	55593
Heating spigots / Heating sockets 63 mm	0.600 kg	1	55594
Heating spigots / Heating sockets 90 mm	1.330 kg	1	55596
Heating spigots / Heating sockets 110 mm	2.070 kg	1	55597
Heating spigots / Heating sockets 125 mm	2.330 kg	1	55598



#### **ROWELD HE heating plates**

Butt welding heating element for pipes and fittings made of PE, PP and PVDF with Ø 20–250 mm

Heating elements with high-quality PTFE non-stick coating for flexible working on the pipeline or stationary working on the workbench with table clamp piece

- Long lifetime and equipped according to DVS guidelines
- Safe process due to temperature regulation according to DVS, CEN and ISO standards
- Electronic temperature regulaton and control as well as protection agains unintentional temperature change
- Saves time and costs due to heating plate fast change system











1	55518
1	55316
1	55317
1	55517
1	55851
1	55854
	1 1 1 1 1

Accessories	No.
Table clamp piece for ROWELD heating element P110 / P125	55524
Floor stand for ROWELD P125	55539
Top plates for P125, 2 pieces	55536

Electro-fusion welding / Cutting tools & accessories

#### Peeling device

For safe and quick preparation of pipes and fittings. Delivered in a transport box.

#### **Application Benefits**

- Spring-loaded blade ensures automatic adaptation to oval
- · Long durability thanks to carbide peeling knife
- · Automatic feed enables even chip removal
- Easy operation and low effort during the peeling process
- Operation with cordless screwdriver possible (No. 1500004346 und No. 1500004348)



No. 1500004346

Model	Weight	PU	No.
Peeling device, 20–75 mm	2.300 kg	1	1500004346
Peeling device, 90–315 mm	6.900 kg	1	1500004347
Peeling device, 180–400 mm	9.900 kg	1	1500004348
Rotary peeling chain, 200–800 mm	9.600 kg	1	1500004349

#### **Squeezing device**

Squeezing device for PE pipes. Spacers on both sides of the device to avoid pipe damages. Due to robust design, ideal for use at construction site

Mechanical: working range from Ø 32–63 mm. To protect the squeezed area there are adjustable distance controller beside.

**Hydraulic:** working range from Ø 75–225 mm. To protect the squeezed area there are adjustable distance controller beside. With this device the pipes can re-rounded with separate available re-rounding halfshells.

- Distance plates prevent damage to the pipe on the sides
- Simple robust construction—ideal for use on construction sites



Model	Weight	PU	No.
Squeezing device mechanical, 32–63 mm	5.000 kg	1	53200
Squeezing device hydraulic, 75–180 mm	37.000 kg	1	53210
Squeezing device hydraulic, 160–225 mm	55.600 kg	1	53220

#### **Clamp device**

#### For fixing pipes and fittings before and whilst welding

#### **Application Benefits**

- Exact alignment of the pipe prior to welding
- Tool-less exchangeable for quick and easy machine retooling



Weight	PU	No.
1.500 kg	1	53251
2.125 kg	1	53252
2.380 kg	1	53253
2.520 kg	1	53254
	1.500 kg 2.125 kg 2.380 kg	1.500 kg 1 2.125 kg 1 2.380 kg 1

#### **Double clamp short**

#### For fixing pipes and fittings before and whilst welding

#### **Application Benefits**

- Precise alignment of the pipes before welding
- Fixing of the pipes during the welding process



Model	Weight	PU	No.
Double clamp short, 75 mm	3,360 kg	1	53255
Double clamp short, 90 mm	4.465 kg	1	53256
Double clamp short, 125 mm	6.645 kg	1	53258
Double clamp short, 140 mm	6.290 kg	1	53259
Double clamp short, 160 mm	6.870 kg	1	53260
Double clamp short, 180 mm	9.590 kg	1	53261
Double clamp short, 200 mm	13.275 kg	1	53262
Double clamp short, 225 mm	11.150 kg	1	53263

#### **Quad clamps**

#### For connecting pipes with Ø 63-225 mm

- Quadruple clamping device for aligning and fixing the tubes before and during the welding process
- For the production of control joints for bar stock



Model	Weight	PU	No.
Quad clamp 63 mm	8.000 kg	1	53271
Quad clamp 75 mm	6.265 kg	1	53272
Quad clamp 90 mm	11.000 kg	1	53273
Quad clamp 110 mm	14.000 kg	1	53274
Quad clamp 125 mm	10.140 kg	1	53275
Quad clamp 140 mm	11.300 kg	1	53276
Quad clamp 160 mm	17.000 kg	1	53277
Quad clamp 180 mm	17.000 kg	1	53278
Quad clamp 200 mm	21.690 kg	1	53279
Quad clamp 225 mm	19.200 kg	1	53280

#### **Re-Rounding clamps**

#### For fixing the pipe and re-rounding after squeezing

#### **Application Benefits**

- Fixing the welding depth during electrofusion welding
- Rounding of the PE pipe after crimping

Model	Weight	PU	No.
Re-Rounding clamp 25 mm	1.111 kg	1	53281
Re-Rounding clamp 32 mm	0.590 kg	1	53282
Re-Rounding clamp 40 mm	1.111 kg	1	53283
Re-Rounding clamp 50 mm	0.835 kg	1	53284
Re-Rounding clamp 63 mm	1.000 kg	1	53285



#### **ROCUT UKS 160/355**

#### High performance orbital circular saw

For cutting plastic pipes made of PE, PP and PVC at construction site and workshop

#### **Application Benefits**

- Offset-free and right-angled cutting
- · Efficient working, high speed cutting
- Safety work due to sawblade protection
- Optimal pipe centering

#### **Technical Data**

Input power	1,750 W
Voltage	230 V
Working area diameter	160-355 mm
Power plug type	Plug type F (CEE 7 / 4)
Mains frequency	50/60 Hz

#### Sawblade protection



#### Central clamping

Perfect pipe centering





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

230 V



Model	Weight	PU	No.
ROCUT UKS 160/355	12.900 kg	1	1000000532
Spare HM saw blade 180 × 30 mm	0.600 kg	1	55505
Transport box	16.800 kg	1	1200000526

#### 12

#### **ROCUT XL**

For cutting PE pipes in the trench. For repairs and extensions.

Tool for cutting PE pipes up to 315 mm

#### **Application Benefits**

- Can be used on each place of the pipe
- Robust cutter made of stainless steel

#### **Technical Data**

Working area diameter	< 315 mm
Cutting material	PE



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



#### Model Weight PU No. ROCUT XL 125 mm 4" 1500000789 7.300 kg 1 ROCUT XL 315 mm 12" 34.000 kg 1 1500000792 Spare blade 125 mm 0.270 kg 1500000793 1 Spare blade 315 mm 2.100 kg 1 1500000795

#### Plastic pipe chamfering unit

With replaceable blades Ø 16–160 mm For 15° outer chamfers on plastic pipe

With this tool 15° chamfers can easily be produced on plastic pipes

- Flexible in use
- Wall thickness is continuously adjustable





Model	Weight	PU	No.
Chamfering unit Size 1, 16–110 mm	0.615 kg	1	55050
Chamfering unit Size 2, 32–160 mm	0.680 kg	1	55051
Spare blade Size 1 and 2	0.030 kg	1	55058







### **Complete solutions**

**ROKLIMA MULTI 4F** 

ROCADDY 120 R32 Analog ROCADDY 120 R32 CL Analog ROCADDY 120 R32 Digital ROCADDY 120 R32 CL Digital







Page	308	310	310
System size	< 24 kW	< 24 kW	< 24 kW
CO <sub>2</sub> subcritical (R744)	0	0	•
Refrigerants class A2 (R32, R1234yf etc.)	0	•	•
Refrigerants class A1 (R134a, R410A etc.)	•	•	•

Refrigeration circuit control					
	ROCOOL 600	2- and 4-ways manifold connection 5/16″	2- and 4-ways manifold connection 1/4″	Pressure hoses	
				70	
Refrigerants class A1 (R134a, R410A etc.)	•	•	•	•	
Refrigerants class A2 (R32, R1234yf etc.)	•	•	0	•	
CO <sub>2</sub> subcritical (R744)	•	0	0	•	
System size	all	all	all	all	
Page	311	312	312	313	

		Ev	acuation			
	ROAIRVAC R32 1.5	ROAIRVAC R32 CL 2.0	ROAIRVAC R32 3.0	ROAIRVAC R32 CL 5.0	ROAIRVAC R32 6.0	ROAIRVAC R32 9.0
Refrigerants class A1 (R134a, R410A etc.)	•	•	•	•	•	•
Refrigerants class A2 (R32, R1234yf etc.)	•	•	•	•	•	•
CO <sub>2</sub> subcritical (R744)	•	•	•	•	•	•
Cordless	0	•	0	•	0	•
System size	< 24 kW	< 40 kW	< 74 kW	<100 kW	< 123 kW	< 124 kW
Page	317	316	317	316	317	317

Recovery				
	ROREC	ROREC PRO A3		
		Government of the second		
Refrigerants class A1 R134a, R410A etc.)	•	•		
Refrigerants class A2 R32, R1234yf etc.)	0	•		
Refrigerants class A3 R290, R650a etc.)	0	•		
CO₂ subcritical (R744)	0	0		
System size	<24 kW	all		
Page	319	320		

**Complete solutions** 

#### **ROKLIMA MULTI 4F**

Fully automatic commissioning and maintenance of air-conditioning units and heat pumps

The innovative unit enables safe and comfortable operation on refrigeration systems. With simple menu navigation, 4 functions (4F) are automatically controlled.

#### **Application Benefits**

- Pressure resistance up to 80 bar guarantees full use with heat pumps
- · Everything you need within reach
- · Simple menu guidance guarantees appropriate use
- Fully automatic control gives time for parallel work
- Safe transpor
- 4 functions (4F) in one:
- Evacuation
- Charging
- Leakage test
- Control of the recovery process























R410A

D22

R134a

R407C

R404A

#### **Technical Data**

Working area pressure	25 micron
Frequency	50 Hz
Voltage	240 V
Working area temperature	-25-50°C
Connection	Bottle adaptor / 1/4" SAE
Suction volume	42 l/min
Resolution Weighing	10 g
Hose length	2,500 mm

### Sturdy, compact metal casing

Protects all components such as vacuum pump and scale

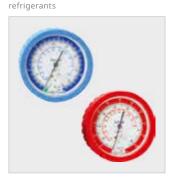
### Integrated high vacuum pump with 42 l/min suction power

For evacuation of the system in accordance with DIN 8975



small containers

Shock-resistant low pressure and high pressure gauges for various



Secure storage of all accessories



Pressure hoses: 2.5 m long with shut-off



3 different pressure gauges

can be easily entered

range with R410A

Interactive 16-digit display with 4 function buttons

All required parameters

"Pulse-free", class 1.6, 80mm

Universal use on air-conditioning units with all common refrigerants and operation in the high pressure

2 pressure hoses (2,500 mm) from the series "Plus" with ball valve

Safe and comfortable operation with refrigerants without the risk of refrigerant loss

#### Plastic capillary hose

Safe, leak-free filling due to shut-off valve





#### **ROKLIMA MULTI 4F**





ROKLIMA MULTI 4F in use (evacuation and charging)



Set (No. 1000000138) includes: 2-stage vacuum pump, 2 × low pressure gauges, 1 × high pressure gauge R410A, 2 × pressure hoses with ball valve à 2,500 mm, 2 × bottle connection adaptors (1/4″SAE No. 173205, 5/16″SAE No. 173204), 2 × reducing pieces 1/4″SAE F-5/16″SAE M (No. 170016), precision digital scale up to 100 kg, automatic control, vacuum and pressure switch, mineral oil (No. 169200)

Secure storage of accessories: pressure hoses bottle adaptor, plastic capillary



Precision scale up to 100 kg Resolution: 10 g Accuracy: ±1 %



Model	Weight	PU	No.
ROKLIMA MULTI 4F	17.000 kg	1	1000000138
Reducer pieces 1/4″ SAE F–5/16″ SAE M	0.100 kg	1	170016

Ergonomic and compact



Light



#### ROCADDY 120 R32 (CL) Analog / Digital

#### Universal sets for evacuation and charging

The universal set ROCADDY is suitable for the installation, maintenance and repair of refrigeration and air conditioning systems and heat pumps.

#### **Application Benefits**

- · Everything you need within reach
- Flexible use with the individual use of the tools
- · Easy to transport
- Electronic digital scale ROSCALE 120 with a weighing capacity of 120 kg and a measuring accuracy per measuring step of 5 g
- 2-stage high vacuum pump ROAIRVAC (corded / accumulator) with integrated vacuum gauge and solenoid check valve













Electronic digital scale up to 120 kg





- · Digital installer aid for automatic calculation of superheat and subcooling. More than 80 refrigerants stored in the unit • 2 analog 4-way installer aids for the common refrigerants
- R22, R134a, R404A, R407C and the high-pressure refrigerants R410A and R32
- Pressure hose set of 3 PLUS series hoses with shut-off valve for safe working with refrigerants
- TUBE CUTTER 35 and MINICUT II PRO for cutting tubes of diameter 6-35 mm to length

Flexible application with corded or battery-powered vacuum pump

with high measurement precision Precise weighing of refrigerant Sturdy plastic rolling case Simple and comfortable transport with ample room for accessories and small parts 2-stage high vacuum pump For evacuation and removal of all moisture residue in refrigeration systems during installation per DIN 8975 2 × analog manifolds (ROCADDY 120 Analog) (with ROCADDY 120 CL) Mini tube cutter and pipe cutter For cutting Ø 6-35 mm pipes to length ROCOOL 600 Bottle adaptor for 1 kg and 2 kg refrigerant

Secure mounting of the bottle during charging

bottles for connection to the scale

ROCADDY 120 R32 Analog / Digital (No. 1000002560/1000002561) includes: 2-stage vacuum pump ROAIRVAC R32 1.5 (No. 1000002399), 4-way manifold (No. 170502)/4-way manifold (No. 1000001427) (Analog), ROCOOL 600 (No. 1000000569) / clamping thermometer (No. 1000000540) (Digital), pressure hose set 5/16"SAE 1,500 mm (No. 1500000030), pressure hose set 1/4"SAE 1,500 mm (No. 1500000028), ROSCALE 120 (No. 173004), 3/8″ SAE F-1/4″ SAE M (No. 89501), 2 × 5/16″ SAE F-1/4″ SAE M (No. 01700RD), 5/16″ SAE M-1/4″ SAE F (No.170016), bottle connection 1/4″ (No. 173205), bottle connection 5/16″ (No. 173204), mineral oil (0,41), TUBE CUTTER 35 (No. 70027), MINICUT II PRO (No. 70402), transport case (No. 169051)

Model			Weight	PU		No.
R410A	R22	R134a	R407C	R40	)4A	R32
ROCADDY	120 R32 Ar	nalog	20.000 kg	1	100	0002560
ROCADDY	120 R32 Di	gital	19.000 kg	1	100	00002561

ROCADDY 120 R32 CL Analog / Digital (No. 1000003622/1000003623) includes: 2-stage vacuum pump ROAIRVAC R32 2.0 CL (No. 1000003229), 4-way manifold (No. 170502)/4-way manifold (No. 1000001427) (Analog), ROCOOL 600 incl. clamping thermometer (Digital) (No. 1000000569), pressure hose set 5/16″SAE 1.5 m (No. 1500000030), pressure hose set 1/4″SAE 1.5 m (No. 1500000028), ROSCALE 120 (No. 173004), 3/8" SAE F-1/4" SAE M (No. 89501),  $2 \times [5/16$ " SAE F-1/4" SAE M (No. 01700RD), 5/16"SAEM-1/4"SAEF (No. 170016)], bottle connection 1/4" (No. 173205), bottle connection 5/16" (No. 173204), bottle connection for R32 (No. 173206), mineral oil (0,41), TUBE CUTTER 35 (No. 70027), MINICUT II PRO (No. 70402), 8.0 Ah Li-HD battery (No. 1000002549), charger (No. 1000001654), transport case (No. 169051)

Automatic calculation of superheat and subcool. Optionally upgradable

through attachment of a vacuum probe and a reading out function

Model			Wei	ght	PU		No.
R410A	R22	R134a	R407C	R404	A	R507	R32
ROCADD	Y 120 R32	2 CL Anal	og 21.00	00 kg	1	1000	0003622
ROCADD	Y 120 R32	2 CL Digit	al 20.00	00 kg	1	1000	0003623

#### **ROCOOL 600**

## For commissioning, maintenance work and documentation of refrigeration systems of all kinds

#### **Application Benefits**

- Modular system: The basic device can be fitted with the optional Red Box incl. the Data Viewer software for reading out or recording data on a PC.
- More than 80 refrigerants incl. R32 and R744 (sub-critical) are stored in the device. New refrigerants can be added later using the update function
- Simultaneous calculation of superheat and subcool
- The documentation software Data Viewer generates an automatic report based on the data recorded. Ideal for handing out to the customer (client)
- An external Pirani vacuum probe allows reading of the vacuum where the most precise measurement is possible: directly at the refrigeration system













#### **Technical Data**

Working area pressure	-1–60 bar
Working area Temperature	-10-50°C
Recording time	96 h
Connection	1/4″SAE
Display size	11 cm

An absolute all-rounder due to the unique modular system!

#### Large screen

All important data at a single glance. Strong backlight for dark environment

#### Connection for the temperature sensor T1

For automatic measurement of superheat data

### Connection for the external vacuum probe

For very precise measurement of the vacuum level directly at the refrigeration system

#### Pressure sensors "Made in Germany"

Precise measurement from -1 to 60 bar

#### T-connection with Schrader valve 1/4" SAE

3-way function: Evacuation and filling without changing a hose

#### Y-connections 1/4" SAE

A connection and sealing plug in one.
Simple transport of hoses when not in operation





Prevents shock damages and allows a safe handling

### Connection for the temperature sensor T2

For automatic measurement of subcool data

#### Green and red LEDs

An optical signal is displayed once an adequate vacuum level is reached or leakage in the system and also a warning of overpressure



#### Connection of the Red Box

To record data for up to 96 hours and independent read out of data at a PC

Temperature sensor for a pipe diameter of up to Ø 32 mm



External vacuum probe for very precise measurement of the vacuum



Set (No. 1000000569) includes: ROCOOL 600, 1 temperature sensor Set (No. 1000000570) includes: ROCOOL 600, 2 temperature sensors, carry case Set (No. 1000000572) includes: ROCOOL 600, 2 temperature sensors, red box and data viewer software, carry case

Model	Weight	PU	No.
ROCOOL 600 Set with 1 temperature sensor, blister	1.495 kg	1	1000000569
ROCOOL 600 Set with 2 temperature sensors, case	4.060 kg	1	1000000570
ROCOOL 600 Set with 2 temperature sensors, red box, data viewer software, case	4.435 kg	1	1000000572

**Set (No. 1000000539) includes:** Red box, data viewer software, connection cable, external power supply

Model	Weight	PU	No.
Red box, software, connection cable, external power supply	0.338 kg	1	1000000539
Temperature sensor	0.120 kg	1	1000000540
Vacuum probe	0.155 kg	1	1000000541

#### **Analog manifolds**

2- and 4-way manifolds

The ROTHENBERGER 4-way manifolds are used for the commissioning and maintenance of air conditioning and refrigeration systems as

well as heat pumps

Pressure gauge Ø80 mm, with pulse-dampening class 1.6

Easy-to-read, high precision display

#### Large hand valve with color coding

Light, secure and precise opening and closing of the diaphragm  $\,$ valve, maintenance free

























Pressure gauge with shock-proof rubber protector

Protects against damage

Valve body made of aluminium with gauge glass

Sturdy despite low weight



2-way manifold

Model		Weight	PU	No	
R22	R134a R40	7C R404A			
2-way, 1/4	"SAE, 34 bar	0.700 kg	1	170501	
4-way, 1/4	″SAE, 34 bar	0.900 kg	1	170502	
R410A	R32				
2-way, 5/1	6″SAE, 60 bar	1.010 kg	1	1000001426	
4-way, 5/1	6″SAE, 60 bar	1.105 kg	1	1000001427	

Model	No.
Blue rubber protector for manifold	170545
Red rubber protector for manifold	170546
Valve sets for manifold	170547

#### **Manifold sets**

#### Manifold sets and pressure hoses

2-way manifold (for 170600 and 170607) 4-way manifold (for 170601, 170606, 170602 and 170608)



No loss of refrigerant

(only for 170602 and 170608)



















Scope of delivery: manifold, pressure gauge with Ø80 mm, "Pulse-free", class 1.6, 3 × 1,500 mm pressure hoses, plastic carrying case

Model		Weight	PU	No.
R22	R134a R407C	R404A		
Manifold	set 2-way, Standard	2.700 kg	1	170600
R410A	R32			
Manifold	set 2-way, Standard	2.700 kg	1	170607
R22	R134a R407C	R404A		
Manifold	set 4-way I, Standard	2.800 kg	1	170601
R410A	R32			
Manifold	set 4-way I, Standard	2.800 kg	1	170606
R22	R134a R407C	R404A		
Manifold	set 4-way II, Plus	2.800 kg	1	170602
R410A	R32			
Manifold	set 4-way II, Plus	2.800 kg	1	170608

#### 3-piece pressure hose sets

#### Available in "Standard" and "Plus"

#### **Application Benefits**

- No confusion and safe use with the colour coding (blue, red, yellow)
- Teflon seal with up to 10 × longer service life compared to neoprene seal
- Working pressure 60 bar/burst pressure 300 bar. This is an 8% better pressure resistance as previously



"Standard" seri	es	Weight	PU	No.
Vacuum hose 3/8	8″SAE, 1.5 m	0.220 kg	1	1500000032
R22 R134	R407C	R404A		
Set of 3 pressure	hoses 1/4"SAE, 1.	5 m 0.760 kg	1	1500000024
Pressure hose ye	ellow, 1/4″SAE, 1.5	5m 0.250 kg	1	1500000025
R410A R32	2			
Set of 3 pressure h	noses 5/16″SAE, 1.	5 m 0.730 kg	1	1500000026
Pressure hose ye	llow, 5/16"SAE, 1.	5m 0.250 kg	1	1500000027

R410A R32 R22 R	Off On	1,!	12196 m
			Plus
	"P	lus" s	eries
"Plus" series with ball valve	"p Weight	lus" s	eries <b>No.</b>
	Weight 404A	PU	
R22 R134a R407C R4	<b>Weight</b> 404A n 0.895 kg	<b>PU</b>	No.
R22 R134a R407C R Set of 3 pressure hoses 1/4"SAE, 1.5 m	<b>Weight</b> 404A n 0.895 kg	<b>PU</b>	No.
R22 R134a R407C R Set of 3 pressure hoses 1/4"SAE, 1.5 m Pressure hose yellow, 1/4"SAE, 1.5 m	Weight 404A n 0.895 kg n 0.250 kg	1 1	No.

#### **Tool set Climate I and II**

#### Practical tool set with all tools required

For the installation and maintenance of refrigeration systems and heat pumps

#### **Application Benefits**

- Monitor temperature and pressure
- Quality hoses with high bursting pressure
- Pipe cutter for all pipe cross-sections from 3–35 mm (1/8″–1.1/8″)
- Measurement of ambient and ventilator air temperature
- Clean, kink-free bending of all common pipe cross-sections
- Optimum flaring connections for all types of air-conditioner

**Set Climate I (No. 170604) includes:** 2-way manifold (No. 170501), set of pressure hoses standard 1/4" SAE, TUBE CUTTER 35 C (No. 070027C), MINICUT pipe cutter (No. 070401C), thermometer, set of bending springs 3/8"–1/2"–5/8", universal flaring tool (No. 222601), plastic case

**Set Climate II (No. 170605) includes:** 2-way manifold (No. 1000001426), set of pressure hoses standard 5/16" SAE, TUBE CUTTER 35 C (No. 070027C), MINICUT pipe cutter (No. 070401C), thermometer, set of bending springs 3/8"-1/2"-5/8", reeling flaring tool (No. 222402), plastic case

Model	Weight	PU	No.
Tool set Climate I	2.300 kg	1	170604
Tool set Climate II	2.400 kg	1	170605







R32 R22



R404A



No. 170604



Leak testing and locating

#### Nitrogen set

#### Multiple uses for refrigeration systems

#### **Application Benefits**

- Fine scaled 1.0 gauge—precise reading of the testing pressure
- Spring loaded pressure reducing valve—simple and safe handling
- Connection for large bottles—easy connection for bottles of all sizes possible
- 950 cm³ nitrogen bottle included—complete set



Ideal for split air-conditioning units and heat pumps!



950 cm³ nitrogen bottle included

Complete set

Fine scaled 1.0 pressure gauge

Precise reading of the testing pressure

#### Spring loaded pressure reducing valve

Simple and safe handling

#### **Connection for large bottles**

Any size of bottle can be connected without a problem





Bottle adaptor for connecting 950 cm<sup>3</sup>



Set (No. 1000003865) includes: pressure reducing valve, connection hose, bottle adaptor, pressure gauge, nitrogen bottle and plastic case

Model	Weight	PU	No.
Nitrogen set incl. 1 kg bottle	4.070 kg	1	1000003865
Nitrogen bottle à 1,900 cm <sup>3</sup>	2.900 kg	1	259018
Nitrogen bottle à 950 cm³	1.235 kg	6	259008

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#### **ROLEAK PRO**

Electronic leak detection device for locating leaks in refrigeration systems (3 g/a)

#### **Application Benefits**

- Durable and highly sensitive sensor tip with a leak detection rate of 3 g/a within 3 seconds
- Suitable for R32
- Simple determination of the refrigerant concentration
- Adjustment of the sensor tips zero measurement point for simple detection of the leak
- Reference leak for functionality test included
- Easy accessibility of even hard to reach leaks



R407C







#### **Technical Data**

Leak status	LED display
Sensor length	40 cm
Leak detection rate	3 g/a within 3 seconds
Working temperature	0°C up to 40°C
Voltage	6 V (4 AA batteries included)



No. 1500002241

Model	Weight	PU	No.
ROLEAK PRO	1.085 kg	1	1500002241

#### **ROAIRVAC CL**

#### Battery driven two-stage vacuum pump





#### **Application Benefits**

- Compatible with CAS or AMPShare battery system
- Solenoid check valve to protect the refrigeration system from oil contamination during power outage
- Protects the integrated components with the light and high-quality casing
- Gas ballast valve for reduction of water vapor in the oil container
- · Special filter reduces oil mist on exhaust vent
- · Gauge-glass enables easy oil-stand monitoring
- Fast filling of oil without spilling, no special funnel is necessary
- Easy access to the oil drain plug makes emptying quick
- Thermal switch protects the unit from the motor overheating
- Standard 1/4" SAE connection as well as 5/16" SAE and 3/8" SAE adaptor included in delivery

Technical Data	R32 2.0 CL	R32 5.0 CL
Pump rating	2.0 CFM / 57 l/min	5.0 CFM / 142 l/min
Vacuum stages	2	2
Final vacuum	23 micron	15 micron
Motor power	185 W / 3,600 r/m	550 W / 1,800 r/m
Voltage	18 V	18 V
Connection	1/4″	1/4″
with Adapter	5/16″SAEM/ 3/8″SAEM	5/16″ SAE M / 3/8″ SAE M
Oil capacity	180 ml	350 ml

#### **Ergonomic handle**

Light, compact and easy to transport

#### Gas ballast valve

Reduction of water vapour in the oil container, guarantees higher evacuation power and service life

#### **Special filter**

Reduces oil mist on exhaust vent



#### **Battery LED indicator**

Easy management of remaining battery power

#### **Multiple battery systems**

Suitable for AMPShare or CAS battery systems

#### **Brushless motor**

For wear-free working and a longer life time

Light and high-quality casing

Protects the integrated components



No 1000003229



No 1000003231



No 1000003230



or CAS - CORDLESS ALLIANCE SYSTEM

No 1000003233

Model	Weight	PU	AMPShare-No.	CAS-No.
ROAIRVAC R32 2.0 CL, 1×8 Ah battery, charger, ROBUCKET	6.100 kg	1	1000004181	1000003230
ROAIRVAC R32 2.0 CL, without battery and charger	3.700 kg	1	1000004180	1000003229
ROAIRVAC R32 5.0 CL, 1×8 Ah battery, charger, ROBUCKET	10.000 kg	1	1000004183	1000003233
ROAIRVAC R32 5.0 CL, without battery and charger	7.500 kg	1	1000004182	1000003231

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#### **ROAIRVAC**

Two-stage vacuum pump For evacuation in accordance with DIN 8975 with vacuum gauge and solenoid valve

The ROTHENBERGER ROAIRVAC vacuum pumps are used for evacuating all refrigeration circuits according to DIN 8975. The two-stage rotary vane pump achieves a vacuum of less than 25 micron. As a result, air conditioning systems, refrigeration systems and heat pumps can be freed of residual moisture.

# RO









#### **Application Benefits**

- Solenoid check valve to protect the refrigeration system from oil contamination during power outage
- Vacuum gauge with integrated drag indicator enables simple and quick control of the evacuation process
- Protects the integrated components with the light and high-quality casing
- Gas ballast valve for reduction of water vapour in the oil container
- Special filter reduces oil mist on exhaust vent
- · Gauge-glass enables easy oil-stand monitoring

- Fast filling of oil without spilling, no special funnel is necessary
- · Easy access to the oil drain plug makes emptying quick
- Thermal switch protects the unit from the motor overheating
- Standard 1/4" SAE connection as well as 5/16" SAE and 3/8" SAE adaptor included in delivery
- · Removable cable prevents cable damage



1/4″ SAE standard connection with adaptors for 5/16″ SAE and 3/8″ SAE



Optimal positioned viewing glass and oil drains for simple draining of the oil



Practical: operating instructions always within view



#### **ROAIRVAC** series

Тур	<b>ROAIRVAC R32 1.5</b>	<b>ROAIRVAC R32 3.0</b>	<b>ROAIRVAC R32 6.0</b>	<b>ROAIRVAC R32 9.0</b>
No.	1000002399	1000002713	1000001231	1000002714
Pumprating	1.5 CFM / 42 l / min /	3.0 CFM / 85 l / min /	6.0 CFM / 170 l / min /	9.0 CFM / 2551/ min /
	2.5 m <sup>3</sup> /h	5.1 m <sup>3</sup> /h	10.2 m <sup>3</sup> /h	15.3 m³/h
Vacuum stages	2	2	2	2
Final vacuum	15 micron / 0.02 mbar	15 micron / 0.02 mbar	15 micron / 0.02 mbar	15 micron / 0.02 mbar
Motor rating	190 W / 1,720 r/m	250 W / 1,720 r/m	550 W / 1,720 r/m	750 W / 3,440 r/m
Voltage	230 V	230 V	230 V	230 V
Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Connection	1/4″	1/4″	1/4″	1/4″
with adaptor	5/16″SAEM/3/8″SAEM	5/16″SAEM/3/8″SAEM	5/16″ SAE M / 3/8″ SAE M	5/16" SAE M / 3/8" SAE M
Oil capacity	250 ml	330 ml	580 ml	590 ml
Manifold Ø	45 mm	50 mm	80 mm	80 mm

Future-proof product for the increased use of R32 refrigerants







ROAIRVAC R32 1.5 (42 l/min)

ROAIRVAC R32 3.0 (85 l/min)

ROAIRVAC R32 9.0 (255 l/min)

Mineral oil is included in all pump deliveries







Scope of delivery: vacuum pump with 1/4", 5/16" SAE and 3/8" SAE connections, plastic bottle with mineral oil

Model	Weight	PU	No.
ROAIRVAC R32, 1.5 42 l/min	10.100 kg	1	1000002399
ROAIRVAC R32, 3.0 85 l/min	11.900 kg	1	1000002713
ROAIRVAC R32, 6.0 170 l/min	17.500 kg	1	1000001231
ROAIRVAC R32, 9.0 255 l/min	18.400 kg	1	1000002714
Mineral oil, 1 litre	0.945 kg	1	169200

ROAIRVAC R32 1.5—vacuum pump in use with the digital manifold ROCOOL 600



#### **ROREC**

#### Refrigerant recovery device

Compact, portable device for recovery and recycling refrigerants of all kinds

#### **Application Benefits**

- Maintenance-free operation through oil-free compressor
- 4-pole motor guarantees durability of the machine
- Low noise and vibration emissions because of its compact design
- Simple and safe work through intuitive operation
- Emptying of refrigerant residue by using the PURGE function for working with different refrigerants

## Ideal for mono and multi-split air-conditioning units and heat pumps!







#### **Technical Data**

Suitable for	all A1 refrigerants of the type CFC, HCFH and HFC
Capacity	gaseous: 0.26 kg/min fluid: 1.85 kg/min push/pull: 6.22 kg/min
Electrical data	230 V / 50-60 Hz
Power	370 W
High pressure switch	38.5 bar



#### Recovery of refrigerant



Simple and precise reading with the glycol filled pressure gauge



Model	Weight	PU	No.
ROREC	17.000 kg	1	168605
Filter	0.120 kg	1	168713

Practical storage compartment for accessories on the back



#### **ROREC PRO A3**

#### **Refrigerant extractor**

Refrigerant extraction unit with high extraction capacity for complete emptying of refrigeration and air conditioning systems

#### **Application Benefits**

- Explosion-proof: Suitable for refrigerants of classes A1, A2L, A2 and A3 (e. g. R290)
- Compact design and weight of less than 12 kg
- Digital display and one-button operation
- Maintenance-free operation due to oil-free 2-piston compressor
- 4-pole motor guarantees longevity of the machine
- Automatic shutdown and automatic start as soon as the pressure rises again
- Draining of refrigerant residues through PURGE function

### RO SERVICE\*





#### **Technical Data**

Recovery rate	gaseous: 0.5 kg/min; 3 kg/h fluid: 3.5 kg/min; 21 kg/h push/pull: 9.5 kg/min; 57 kg/h
Working area pressure	38.5 bar
Input power	750 W
Frequency	50-60 Hz
Voltage	220-240 V

#### Digital display

Low pressure switch

Automatic shut-off and

automatic restart once

the pressure increases again

Clearly structured display of the measured pressure values



Oil-free 2-piston compressor

Very high recovery rate with maintenance free operation

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Model	Weight	PU	No.
ROREC Pro A3	12.000 kg	1	1500004451
Filter	0.120 kg	1	168713

#### **ROSCALE 120**

#### Electronic refrigerant scale

Precise, easy to handle refrigerant scale for filling and evacuation processes with a maximal weight capacity of 120 kg

#### **Application Benefits**

- Resolution of 5 g enables very precise filling
- Weight capacity sufficient for all common refrigerant bottles
- Cable connection enables comfortable use in every situation
- Bottle adaptor for connecting small refrigerant bottles (1 I and 2 I bottles)
- Refrigerant bottles of all sizes have enough space
- Large LCD display for comfortable reading of the result
- Simple use







#### **Technical Data**

Weight capacity	120 kg or 264 lbs
Accuracy	± 0.5 %
Resolution	5 g / 0.2 oz.
Working temperature	-10 °C up to 49 °C / 14 °F up to 120 °F
Connection	1/4" SAE for 1–21 bottles
Battery	9 V
Platform size	230×230×53 mm





ROSCALE 120 in carrying case

Set (No. R17300416) includes: ROSCALE 120, 9 V battery, carrying case

Model	Weight	PU	No.
ROSCALE 120 up to 120 kg	3.280 kg	1	R17300416

#### Refrigerant for air-conditioning units

bottles have enough space

Non-chlorinated refrigerant of the HFC group in practical 40 bar steel bottles (bursting pressure: 165 bar) TÜV seal No. 0036-043/03D and TPED accepted as per 9/36/CE

With ROTHENBERGER refrigerant, installers and refrigeration technicians can fill air conditioning and refrigeration systems that are particularly difficult to access. Due to the compact bottle, transport to roofs etc. is also easy.

Model		Weight	PU	No.
R410A	Refrigerant R410A in card	dboard packag	ging	
1 l steel	bottle 5/16″ SAE, 40 bar	1.545 kg	6	170912
2 l steel	bottle 5/16″SAE, 40 bar	3.145 kg	4	170932
R32	Refrigerant R32 in cardbo	oard packagir	ıg	
1 l steel	bottle 1/2″SAE, 40 bar	1.535 kg	6	170960
2 l steel	bottle 1/2″ SAE, 40 bar	3.320 kg	4	170961



#### **SANIFRESH**

#### **Deodorising cleaning spray**

#### **Application Benefits**

- · Removes the threat of disease and allergies—practical and ecologically friendly solution for removing mites, dust, bacteria and spores
- Spray is applied directly to affected surface
- Economical spray can with spray nozzle and spray tube
- Removes unpleasant odours. Pleasant mint smell



Model	Weight	PU	No.
SANIFRESH 12 bottles	3.960 kg	1	85800

#### **Bottle connection and adaptors**

#### For refrigerant bottles

For use with new refrigerant bottles on existing equipment



Model	No.
Adapter 1/2" to 1/4" SAE	170901
Adaptor 1/4″ SAE M, 5/16″ SAE F, with valve trigger	01700RD
Adapter 1/4″ SAE F to 5/16″ SAE, M connection	170016
Adapter 1/4″ SAE M, 3/8″ SAE F	89501
Adapter 3/8″ SAE M, 1/4″ SAE F	89503
Bottle adapter 1/4" connection	173205
Bottle adapter 5/16" connection	173204
Bottle adapter W21.8 × 1/4" SAE, M connection, seal for 2 l sized bottles	170950
Bottle adapter W21, 8 × 1/4" SAE, M connection (left)	1500003381

#### **Torque wrench set**

#### For proper tightening of flange connections

Set with adjustable torque wrench (10-70 Nm) and 6 spanner inserts sizes 17, 22, 24, 26, 27 and 29 mm for flange connections on 1/4", 3/8", 1/2" and 5/8" pipe lines according to DIN EN 378-2:2012-08



#### Fix with torque urgently necessary!





**7-piece set (No. 175001) includes:** spanner wrench sizes 17, 22, 24, 26, 27, 29 mm,

Ø	Spanner width	Locking torque
1/4″ / 6 mm	17 mm	14-18 Nm
3/8″/10 mm	22 mm	33-42 Nm
1/2″/12 mm	24 mm	50-62 Nm
1/2″/12 mm	26 mm	50-62 Nm
5/8″/15/16 mm	27 mm	63-77 Nm
5/8″/15/16 mm	29 mm	63-77 Nm
Model		Neight PII No

Model	Weight	PU	No.
Torque wrench set 17–22–24–26–27–29 mm	1.700 kg	1	175001

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#### **Schrader valve tool**

#### **Application Benefits**

- For exchanging the Schrader valve on air-conditioners under pressure, without having to recover the unit
- For safe and easy change of spring insert of the Schrader valve tool
- With safety thread for risk-free use with R410A





Model	Weight	PU	No.
Schrader valve tool	0.450 kg	1	87800

#### Plate fin comb

- For straightening the plate fins of heat-exchangers
- 6 different sizes in one too



Model	Weight	PU	No.
Plate fin comb 8-9-10-12-14-15 fins per inch	0.095 kg	1	224500

#### **Refrigerant data from CFC-alternative refrigerants**

Refrigerant	Composition	ODP	GWP	Temperature glide
R22 (HFCKW refrigerant)	CHCLF2	0.05	1,810	
R134a (HFKW-chlorine-free refrigerant)	CF3CH2F	0	1,430	
R32 (HFKW-chlorine-free refrigerant)	CH2F2	0	675	
R404A (HFKW-chlorine-free blends)	52 % R143a, 44 % R125, 4 % R134a	0	3,922	
R507 (HFKW-chlorine-free blends)	50 % R143a, 50 % R125	0	3,985	
R407C (HFKW-chlorine-free blends)	23 % R32, 25 % R125, 52 % R134a	0	1,774	7.5 K
R410A (HFKW-chlorine-free blends)	50 % R32, 50 % R125	0	2,088	0.2 K

ODP = Ozone Depletion Potential (degree in which the ozone layer is destroyed)
GWP = Global Warming Potential (degree in which it contributes to the greenhouse effect)

#### Instructions for safe and proper use of the refrigerants

#### Refrigerant

- Wear protective gloves and safety goggles
- Do not let refrigerant come in contact with skin
- Do not inhale h
   igh concentrations of vapours
   (Lack of oxygen causes a narcotic effect and is a danger to life)
- Do not smoke around refrigerant
- Working place / room must be thoroughly aired, if necessary extracted

#### **Refrigerant bottles**

- · Secure against accidents, do not throw
- Do not expose to direct sunlight and do not place near radiators or other heat sources
- · Do not use open flame

- Do not disassemble or remove valves
- · Damaged bottles need to be properly returned
- Close empty containers

#### **Air-conditioners**

- Air-conditioner leaks need to be repaired immediately
- Do not allow refrigerant to leak while filling or doing maintenance work
- In high concentrations (for example pipe burst), leave the room and do not enter again until it has been properly ventilated
- Only do brazing work together with protective nitrogen gas and only in well ventilated areas

#### **Flare connections**

Normal flare size in accordance with JIS B8607:2008 Flare outer diameter in relationship to the pipe diameter

Pipe outer diameter mm/inch	Metric	Wall thickness mm/inch	Flare outer diameter with R22-, R134a-, R404-, R407C air-conditioners	Flare outer diameter with R410A air-conditioners
6 mm		1 mm	8.5 mm	9.1 mm
8 mm		1 mm	11.1 mm	11.1 mm
10 mm		1 mm	13.6 mm	13.2 mm
12 mm		1 mm	15.3 mm	16.5 mm
16 mm		1 mm	19.5 mm	19.2 mm
18 mm		1 mm	22.0 mm	22.7 mm
1/4″	6.35 mm	0.35″	9.0 mm	9.1 mm
5/16″	7.94 mm	0.35″	11.0 mm	11.1 mm
3/8″	9.52 mm	0.35″	13.0 mm	13.2 mm
1/2″	12.70 mm	0.35″	16.2 mm	16.6 mm
5/8″	15.88 mm	0.35″	19.4 mm	19.7 mm
3/4″	19.05 mm	0.35″	23.3 mm	24.0 mm

# **Conversion table pressure**

mbar	Micron	TORR	mm HG Vakuum
10	7,516	7.5	752
5	3,759	3.6	756
2	1,503	1.5	758
1	752	0.75	759
0.5	376	0.36	
0.4	300	0.30	
0.3	225	0.23	
0.2	150	0.15	
0.1	75	0.08	
0.09	68		
0.07	53		
0.06	45		
0.05	38		
0.04	30		
0.03	22		
0.02	15		
0.01	8		

# **Conversion table temperature**

Conversion from °C in °F: °C × 1.8 + 32 = °F Conversion from °F in °C: (°F-32): 1.8 = °C

°C	°F	°C	°F	°F	°C	°F	°C
100	212	30	86	212	100	70	21
95	203	25	77	200	93	60	16
90	194	20	68	190	88	50	10
85	185	15	59	180	82	40	4
80	176	10	50	170	77	30	-1
75	167	4	39	160	71	20	-7
70	158	0	32	150	66	10	-12
65	149	-10	14	140	60	0	-18
60	140	-20	-4	130	54	-10	-23
55	131	-30	-22	120	49	-20	-29
50	122	-40	-40	110	43	-30	-34
45	113	-50	-58	100	38	-40	-40
40	104	-60	-76	90	32	-50	-46
35	95	-273	-460	80	27	-60	-51
						-112	-80
						-460	-273

#### **Common threads**

UNF-Thread	SAE-Thread	Outer diameter (max. mm)	Internal diameter (min. mm)	Lodes per inch	Increment (mm)
7/16″–20	1/4″	11.079	9.738	20	1.270
1/2″-20	5/16	12.667	11.328	20	1.270
5/8″–18	3/8″	15.839	14.348	18	1.411
3/4″-16	1/2″	19.012	17.330	16	1.588
7/8″-14		22.184	20.262	14	1.814
7/8″-14	5/8″	22.184	20.262	14	1.814
1″–14	3/4″	25.357	23.437	14	1.814
11/16″–14		26.947	25.024	14	1.814
11/8″–12		28.529	26.284	12	2.117
11/4″–12	7/8″	31.704	29.459	12	2.117
13/8″–12		34.877	32.634	12	2.117
11/2″-12	1″	38.052	35.809	12	2.117





# **ROGRIP** pliers

ROGRIP M 7" 1K ROGRIP M 7" 2K ROGRIP M 10" 1K ROGRIP M 10" 2K ROGRIP F 7" 1K ROGRIP F 7" 2K



Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium stee	el Chrome vanadium steel	Chrome vanadium steel
Weight	0.245 kg	0.255 kg	0.490 kg	0.490 kg	0.215 kg	0.227 kg
Length	185 mm (7")	185 mm (7")	254 mm (10")	254 mm (10")	185 mm (7")	185 mm (7")
Working range	Ø 43 mm (1.1/4")	Ø 43 mm (1.1/4")	Ø 60 mm (2")	Ø 60 mm (2")	Ø 43 mm (1.1/4")	Ø 43 mm (1.1/4")

	ROGRI	P pliers		Water pump pliers		
	ROGRIP F 10" 1K	ROGRIP F 10" 2K	ROGRIP XL	SP 7"	SP 10"	SP 12"
	A.		1 P			
Working range	Ø 60 mm (2″)	Ø 60 mm (2″)	Ø 102 mm (3.1/2")	Ø 34 mm (1″)	Ø 43 mm (1.1/4")	Ø 48 mm (1.1/2")
Length	254 mm (10")	254 mm (10")	440 mm (16")	175 mm (7")	250 mm (10")	300 mm (12")
Weight	0.470 kg	0.480 kg	1.400 kg	0.150 kg	0.290 kg	0.460 kg
Material	Chrome vanadium steel	Chrome vanadium stee	el Chrome vanadium steel	Chrome vanadium stee	el Chrome vanadium stee	Chrome vanadium steel

Water p	Corner pipe	wrenches 45°		
SPK 7"	SPK 10"	SPK 12"	"Super S" 10"	"Super S" 12"
		36		

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Page	335	335	335	337	337
Material	Chrome vanadium steel				
Weight	0.165 kg	0.315 kg	0.475 kg	0.400 kg	0.810 kg
Length	175 mm (7")	250 mm (10")	300 mm (12")	250 mm (10")	300 mm (12")
Working range	Ø 34 mm (1")	Ø 43 mm (1.1/4")	Ø 48 mm (1.1/2")	Ø 22 mm (1/2")	Ø 34 mm (1")

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		Corner pipe	e wrenches 45°		
	"Super S" 16"	"Super S" 20"	"Super S" 24"	10"	12"
Working range	Ø 48 mm (1.1/2″)	Ø 60 mm (2″)	Ø 89 mm (3″)	Ø 22 mm (1/2″)	Ø 34 mm (1″)
Length	420 mm (16″)	540 mm (20″)	640 mm (24")	250 mm (10″)	300 mm (12")
Weight	1.440 kg	2.440 kg	3.400 kg	0.370 kg	0.740 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium stee
Page	337	337	337	337	337
C	orner pipe wrench	es 45°		Pipe wrenches 90	•
	16″	20″	12″	16″	20″
Working range Length	Ø 48 mm (1.1/2") 420 mm (16")	Ø 60 mm (2″) 540 mm (20″)	Ø 34 mm (1″) 300 mm (12″)	Ø 48 mm (1.1/2") 420 mm (16")	Ø 60 mm (2") 540 mm (20")
Weight	1.340 kg	2.400 kg	0.740 kg	1.340 kg	2.400 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium stee
Page	337	337	337	337	337
	Pipe wrenches 9	0°	One-hand	ed pipe wrench H	EAVY DUTY
	24"	36″	HEAVY DUTY 6"	HEAVY DUTY 8"	HEAVY DUTY 10"
				3	
Working range	Ø 89 mm (3″)	Ø 114 mm (4″)	Ø 22 mm (1/2″)	Ø 34 mm (1″)	Ø 48 mm (1.1/2″)
_ength	640 mm (24")	750 mm (36")	152 mm (6")	200 mm (8")	250 mm (10")
Weight	3.400 kg	5.600 kg	0.250 kg	0.400 kg	0.780 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium stee
Dago	227	227	220	220	220

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	HEAVY DUTY 12"	HEAVY DUTY 14"	Wrench HEAVY D	HEAVY DUTY 24"	HEAVY DUTY 36"
	HEAVY DOTT 12	HEAVY DOTT 14	HEAVY DOTT 18	HEAVY DOTT 24	HEAVI DOTT 30
	2			<b>2</b>	
Working range	Ø 60 mm (2″)	Ø 60 mm (2″)	Ø 73 mm (2.1/2″)	Ø 80 mm (3″)	Ø 141 mm (5″)
_ength	300 mm (12")	350 mm (14")	450 mm (18")	600 mm (24")	900 mm (36")
Weight	1.250 kg	1.680 kg	2.670 kg	4.320 kg	7.500 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium ste
Page	338	338	338	338	338
One-har	nded pipe wrench l	HEAVY DUTY	One-har	nded pipe wrench	ALUDUR
	HEAVY DUTY 48"	HEAVY DUTY 60"	ALUDUR 10"	ALUDUR 14"	ALUDUR 18"



	One-h	anded pipe wrenc	h ALUDUR		Pliers wrench
	ALUDUR 24"	ALUDUR 36"	ALUDUR 48"	ALUDUR 60"	ROFAST 10"
	2	79	71	71	100
					11
Working range	Ø 89 mm (3″)	Ø 141 mm (5″)	Ø 168 mm (6″)	Ø 200 mm (8″)	Ø 52 mm (1.7/8″)
L a sa astila	600 (04%)	000 (26%)	4.200 (40%)	1.500 (60%)	25.4 (4.0%)

Length         600 mm (24")         900 mm (36")         1,200 mm (48")         1,500 mm (60")         2           Weight         2.510 kg         5.000 kg         8.420 kg         14.600 kg	341	338	338	338	338	Page
Length 600 mm (24") 900 mm (36") 1,200 mm (48") 1,500 mm (60") 2	rome vanadium steel	Aluminium	Aluminium	Aluminium	Aluminium	Material
	0.530 kg	14.600 kg	8.420 kg	5.000 kg	2.510 kg	Weight
working range	254 mm (10")	1,500 mm (60″)	1,200 mm (48")	900 mm (36″)	600 mm (24")	Length
Westign was a 2 (20) as a 200 mas (20) (21) (21) (21) (21) (21) (21) (21) (21	ð 52 mm (1.7/8″)	Ø 200 mm (8″)	Ø 168 mm (6")	Ø 141 mm (5")	Ø 89 mm (3")	Working range

Ø 60 mm (2")	

# **One-handed pipe wrench STILLSON**

STILLSON 8" STILLSON 10" STILLSON 12" STILLSON 14" STILLSON 18"











# **One-handed pipe wrench STILLSON** STILLSON 24"

STILLSON 36"



**ROCASE ROBOX** 









Page	338	338	Page	368	369
Material	Steel, drop forget	Steel, drop forget	Material	ABS plastic	ABS plastic
Weight	3.080 kg	5.690 kg	Weight	0.630-2.640 kg	0.090-0.170 kg
Length	600 mm (24")	900 mm (36")	Volume	5.7-48.21	0.65-1.371
Working range	Ø 73 mm (2.1/2")	Ø 102 mm (3.1/2")	Sizes	5	2

Power Tools				
	RO DD 60	<b>RO ID 400</b>	RO AG 8000	RO FL 180









Page	352	355	355	359
Weight with battery	1.770 kg	1.900 kg	2.400 kg	1.570 kg
Idle speed	0-450/min	0-2,150/min	8,000/min	$\circ$
Type battery	Li-Power	Li-Power	Li-HD	Li-HD
System battery	CAS	CAS	CAS	CAS

#### **ROGRIP M**

#### Quick adjustable water pump pliers

Holds and grips a wide variety of pipe types up to Ø2"

#### **Application Benefits**

- Durable: Due to the double hardening, the teeth are particulary wear-resistant
- Slip resistant: The shape of the teeth ( self locking), the 3-touch-point grip on the pipe and the soft-touch handle, prevent slipping off the pliers.
- Large gripping capacity: 30 % more gripping capacity 1): 10" pliers up to 2" pipe diameter.

#### **Technical Data**

Working area diameter	2″
Working area diameter	0-60 mm
Material	Chrome vanadium steel

Model	Weight	PU	No.
ROGRIP M, 7", 1K	0.235 kg	6	1000002697
ROGRIP M, 7", 2K	0.250 kg	6	1000002698
ROGRIP M, 10", 1K	0.470 kg	6	1000002699
ROGRIP M, 10", 2K	0.495 kg	6	1000002700

#### Double hardened jaws, extremely durable

Firm grip on any surface even under the strongest conditions

#### ROTHENBERGER Curve-Shape-Design

Particularly ergonomic for large pipe diameters. Reduces the risk of pinching fingers

#### Large grip width

Reliable grip and hold up to 2" pipe diameter

#### New handle design

Good grip with two handle versions

#### **ROGRIP F**

#### Quick adjustable water pump pliers

Holds and grips a wide variety of pipe types up to Ø2"

### **Application Benefits**

- Durable: Due to the double-hardened teeth, the teeth only wear slowly
- Slip-resistant: The shape of the teeth (self-locking), the 3-touch-point grip on the pipe and the soft-touch handle, prevent slipping off the pliers
- Large gripping capacity: 30 % more gripping capacity: 10" pliers up to 2" pipe diameter
- Safety lock system: prevents unintentional opening and enables a 50 % quicker adjustment

Curve-Shape-Design: especially ergonomic



3-point grip over the middle for reliable clam-ping. Perfect grip on pipes up to Ø2"



Model	Weight	PU	No.
ROGRIP F, 10", 1K	0.405 kg	6	1000002704
ROGRIP F, 10", 2K	0.425 kg	6	1000002705
ROGRIP F, 7", 1K	0.215 kg	6	1000002701
ROGRIP F, 7", 2K	0.225 kg	6	1000002702

even under the strongest conditions

diameters. Reduces the risk of pinching fingers

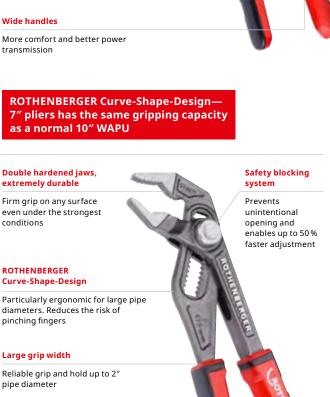
pipe diameter

#### New handle design

Good grip with two handle versions

More comfort and better power transmission

ROTHENBERGER Curve-Shape-Design— 7" pliers has the same gripping capacity as a normal 10" WAPU



# **ROGRIP XL**

#### Quick adjustable water pump pliers

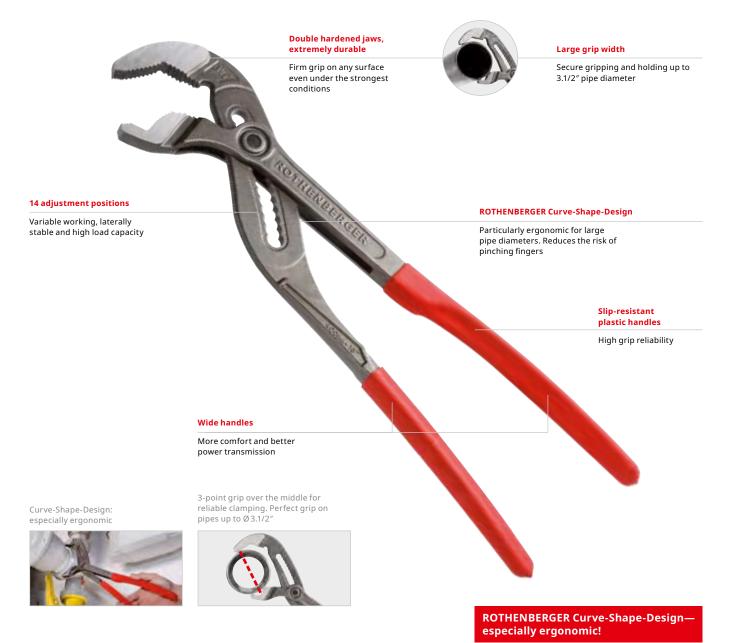
#### **Application Benefits**

- 16" pliers up to 3.1/2" pipe diameters
- 3-point grip: reliable clamping and perfect grip up to the maximum pipe diameter.
- ROTHENBERGER Curve-Shape-Design: especially ergonomic by large pipe diameters. Reduces the danger of fingers getting clamp
- Wide handles for more comfort and better power transmission
- 14 adjustment positions for variable working

#### **Technical Data**

Working area diameter	3.1/2″
Working area diameter	102 mm
Material	Chrome vanadium steel

Enourmos gripping width of 3.1/2"reliable grip during application



Model	Weight	PU	No.
ROGRIP XL, 102 mm (3.1/2")	1.400 kg	1	100000328

Water pump pliers

# Water pump pliers SP

According to DIN 5231 D, with heavy-duty box joint, chrome vanadium steel, drop-forged, tempered, polish head and joint

#### **Application Benefits**

- Ideal for hard-to-reach places with the longer, thinner pliers head with measurements favourable for corners
- Optimum grip for reliable hold of pipes, flat objects, squared and hexagonal screw
- Long service life due to induction-hardened teeth
- Variable use: 7 size settings
- Non-slip even on smooth pipes
- · Safet use with the crush and pinch protection









#### **Technical Data**

Working area diameter	0-1.1/2"
Working area diameter	0-48 mm
Material	Chrome vanadium steel



14

Model	Weight	PU	No.
Water pump plier SP, 34 mm (1")	0.150 kg	6	70527
Water pump plier SP, 43 mm (1.1/4")	0.290 kg	6	70528
Water pump plier SP, 48 mm (1.1/2")	0.460 kg	6	70529
Water pump pliers set SP, 7–10–12″	0.940 kg	1	70520

# Water pump pliers SPK

#### **Application Benefits**

- Self-clamping jaws: Non-slip even on smooth pipes
- Long, slim pliers head: Ideal for hard-to-reach places
- Induction hardened teeth: For a long service life
- 7-way adjustable: Allows variable work
- Anti-slip plastic handles: High grip safety even when working with water and oil







#### **Technical Data**

Working area diameter	1.1/2″
Working area diameter	0-48 mm
Material	Chrome vanadium steel
Material handle	Dipped handles



Increased safety: Plastic covered handles!



Model	Weight	PU	No.
Water pump plier SPK, 34 mm (1″)	0.165 kg	6	70521
Water pump plier SPK, 43 mm (1.1/4″)	0.315 kg	6	70522
Water pump plier SPK, 12 pieces, counter display	4.335 kg	1	070522D
Water pump plier SPK, 48 mm (1.1/2")	0.475 kg	6	70523
Water pump plier SPK, 48 mm (1.1/2″), with hanger	0.530 kg	1	070523E

# **Groove water pump pliers CL**

Chrome-vanadium special steel, chrome-plated, dropforged, hardened and tempered, polished head, with slip-on joint, straight jaws, according to DIN 5231 E



# **Application Benefits**

- No slipping of the joint possible
- Absolutely firm fit in every open position
- Easy, smooth adjustment
- Induction-hardened teeth for long service life
- Crush and clamp guard prevent injuries
- Plastic covered handles

#### **Technical Data**

Working area diameter	0-4"
Working area diameter	0-114 mm
Material	Chrome vanadium steel
Material handle	Dipped handles





Model	Weight	PU	No.
Grooved water pump plier CL, 48 mm (1.1/2")	0.330 kg	1	70591
Grooved water pump plier CL, 60 mm (2")	0.560 kg	1	70592
Grooved water pump plier CL, 114 mm (4")	1.150 kg	1	70593

Hand tool sets/Water pump pliers

# **ROBOX pliers sets**

# 3 pieces pliers sets for holding and turning of diverse types of pipes

The ROBOX sets contain a selection of hand tools for all aspects of pipe processing. The tools are supplemented by the practical ROBOX. Consumables such as fittings can be stored alongside your tools.



RO BOX

3 pieces set (No. 1000002189) includes:

one-handed pipe wrench ALUDUR, 14" (No. 70160), ROGRIP M 10", 1K (No. 100002699), ROGRIP M 7", 1K (1000002697), ROBOX B2650 (No. 1000002763)

Model	Weight	PU	No.
ROBOX pliers set 3 pieces, with pipe wrench ALUDUR, ROBOX	1.700 kg	1	1000002189

#### **Professional sets**

#### Practice-oriented set of pipe wrenches and pipe cutter

**3 pieces set (No. 070130X) includes:** pipe wrench 1" (No. 070122X), pipe wrench 1.1/2" (No. 070123X), pipe wrench 2" (No. 070124X)

**4 pieces set (No. 070135X) includes:** pipe wrench 1" (No. 070122X), pipe wrench 1.1/2" (No. 070123X), wapu SP 10" (No. 70528), TUBE CUTTER 35 (No. 70027)

**3 pieces set (No. 070140X) includes:** pipe wrench 1 " (No. 070122X), pipe wrench 1.1/2" (No. 070123X), wapu SP 10" (No. 70528)







No. 070135X





Model	Weight	PU	No.
Corner pipe wrench set 1, 3 pieces, 1–2"	5.000 kg	1	070130X
Corner pipe wrench set 2, 4 pieces, TUBE Cutter 35, water pump plier SP, 1", corner pipe wrench 1–1.1/2"	3.100 kg	1	070135X
Corner pipe wrench set 3 Corner pipe wrench 1–1.1/2", water pump plier SP, 1"	2.700 kg	1	070140X
Corner pipe wrench set 1–1.1/4–1.1/2–2"	5.100 kg	1	070137X

# **ROGRIP** pliers sets

The quickly adjustable water pump pliers generation ROGRIP is available as a practical set with three different sizes

For work in installation and assembly.



Model	Weight	PU	No.
ROGRIP set M, 7", 1K, 10", 1K, ROGRIP XL	2.300 kg	1	1000001068



No. 1000001068

# Corner pipe wrench 45° SUPER S

Chrome vanadium steel, drop forged, tempered, with reinforced sleeve, polished jaws and a favourable size for corners

The corner pipe wrench 45° SUPER S can be used for clamping and rotating pipes with Ø 1/2" to 3"

#### **Application Benefits**

- Self-clamping: 3-point clamping ensures reliable and firm grip even with smooth pipes
- · Reliable grip and non-slip with teeth set against turning direction, induction hardend
- · Double T-profile handle, ideal for clamping different materials forms, enables universal application



Model	Weight	PU	No.
22 mm (1/2")	0.400 kg	6	070121X
34 mm (1")	0.810 kg	1	070122X
48 mm (1.1/2")	1.440 kg	1	070123X
60 mm (2")	2.440 kg	1	070124X
89 mm (3")	3.400 kg	1	70125

# Corner pipe wrench 45°

Chrome vanadium steel, drop forged, tempered, with reinforced sleeve, polished jaws

Holding and turning of a wide variety of pipe types in the range Ø 1/2" to 2".

#### **Application Benefits**

- Favourable size for corners
- Thin muzzle with thin jaws, 45° angeld





Model	Weight	PU	No.
22 mm (1/2")	0.370 kg	1	070131X
34 mm (1")	0.740 kg	1	070132X
60 mm (2")	2.400 kg	1	070134X

# Pipe wrench 90°

Chrome vanadium steel, drop forged, tempered, with reinforced sleeve, polished jaws.

Holding and turning of a wide variety of pipe types in the range Ø 1" to 4"

- Favourable size for corners
- · Thin muzzle with thin jaws, 90° angled



Model	Weight	PU	No.
34 mm (1")	0.740 kg	1	070110X
48 mm (1.1/2")	1.340 kg	1	070111X
60 mm (2")	2.400 kg	1	070112X
89 mm (3")	3.400 kg	1	70113
114 mm (4")	5.600 kg	1	70114
114 mm (4")	5.600 kg	1	701











One-handed pipe wrenches

#### One-handed pipe wrench HEAVY DUTY

#### **Application Benefits**

- · Self-clamping, hook spring-loaded
- Quick preset of pipe-Ø using scale on hook
- Wearing parts replaceable: hook and heel jaw can be purchased separately
- Monobloc cast iron body with high strength, double T-profile, forged jaw and hooks, fine polished, teeth set against the turning direction, induction hardened, tempered and non-slip adjusting screw



# US-Norm GGG-W-651 Type II Class A



Model		Size	Weight	PU	No.	Hook	Jaws
160 mr	n (6″)	26 mm (3/4")	0.250 kg	1	70148	70199	70189
200 mr	n (8″)	34 mm (1")	0.400 kg	1	70150	70200	70190
250 mr	n (10″)	48 mm (1.1/2")	0.780 kg	1	70151	70201	70191
300 mr	n (12″)	60 mm (2")	1.250 kg	1	70152	70202	70192
350 mr	n (14″)	60 mm (2")	1.680 kg	1	70153	70203	70193
450 mr	n (18″)	73 mm (2.1/2")	2.670 kg	1	70154	70204	70194
600 mr	n (24")	89 mm (3")	4.320 kg	1	70155	70205	70195
900 mi	n (36″)	141 mm (5")	7.500 kg	1	70156	70206	70196
1,200 n	nm (48″)	168 mm (6")	15.800 kg	1	70157	70207	70197
1,500 n	nm (60″)	203 mm (8")	24.000 kg	1	70158	70208	70198

# One-handed pipe wrench ALUDUR

#### **Application Benefits**

- Features similar HEAVY DUTY
- Weight saving of approx. 40%: exttremely light, high strength aluminium alloy
- Wearing parts replaceable, hook and heel jaw can be purchased separately





1 1	

Model	Size	Weight	PU	No.	Hook	Jaws
250 mm (10")	48 mm (1.1/2")	0.480 kg	1	70159	70201	70191
350 mm (14")	60 mm (2")	0.990 kg	1	70160	70203	70192
450 mm (18")	73 mm (2.1/2")	1.630 kg	1	70161	70204	70194
600 mm (24")	89 mm (3")	2.510 kg	1	70162	70205	70195
900 mm (36")	141 mm (5")	5.000 kg	1	70163	70206	70196
1,200 mm (48″)	168 mm (6")	8.420 kg	1	70168	70207	70197
1,500 mm (60″)	203 mm (8")	12.700 kg	1	70169	70208	70198

# **One-handed pipe wrench STILLSON**

#### **Application Benefits**

- Features similar to HEAVY DUTY
- Hardened adjustment nut presses onto the handle during use and prevents undesired readjustment
- Optimised double-spring construction guarantees quick and firm self-clamping, ensuring secure hold even on smooth pipes



# US-Norm GGG-W-651 Type I Class B



Model	Size	Weight	PU	No.	Hook
200 mm (8")	27 mm (3/4")	0.280 kg	1	70350	70374
250 mm (10")	34 mm (1")	0.590 kg	1	70351	70375
300 mm (12")	43 mm (1.1/4")	0.720 kg	1	70352	70376
350 mm (14")	48 mm (1.1/2")	1.040 kg	1	70353	70377
450 mm (18")	60 mm (2")	1.740 kg	1	70354	70378
600 mm (24")	73 mm (2.1/2")	3.080 kg	1	70355	70379
900 mm (36")	102 mm (3.1/2")	5.690 kg	1	70356	70380

# One-handed pipe wrench OFFSET PATTERN HEAVY DUTY

### **Application Benefits**

- Offset wrench head is ideal for working in confined spaces (e. g. near to the wall)
- One-handed ratchet-like use, self-clamping, hook springloaded
- Quick preset of pipe-Ø using scale on hook
- Wearing parts replaceable: hook and heel jaw can be purchased separately







Model	Size	Weight	PU	No.	Hook	Jaws
250 mm (10")	48 mm (1.1/2")	0.750 kg	1	70166	70201	70191
350 mm (14")	60 mm (2")	1.460 kg	1	70167	70203	70192

### One-handed corner pipe wrench 90°

# **Application Benefits**

- Features similar to HEAVY DUTY
- Weight savings of approx. 40 %: extremely light, high strength aluminium alloy







Model	Size	Weight	PU	No.	Hook	Jaws
350 mm (14")	60 mm (2")	0.895 kg	1	70115	70203	70192
450 mm (18")	73 mm (2.1/2")	1.495 kg	1	70116	70204	70194

# Chain Pipe wrench 4" R/L

- Profile handle made of drop forged chrome vanadium steel, polished head with hardened special toot system, powerful chain made of hardened and tempered special steel
- Double-sided teeth surfaces set against the turning direction for use in both directions without re-inserting







Model	Weight	PU	No.
Chain pipe wrench 115 mm (4")	0.780 kg	1	70235

### **Chain pipe wrench HEAVY DUTY**

Very robust model for toughest conditions, proven in pipeline construction, jaws and handle are forged, jaws are replaceable

#### **Application Benefits**

- Strong chain made of tempered special steel—fits every cross-sections
- Double-sided tooth system for ratchet-like use, for right and left-handed operation





Weight	PU	No.
1.400 kg	1	70242
3.500 kg	1	70243
6.700 kg	1	70244
12.600 kg	1	70245
17.200 kg	1	70246
24.200 kg	1	70247
0.900 kg	1	70262
0.410 kg	1	70263
0.680 kg	1	70264
2.170 kg	1	70265
2.700 kg	1	70266
3.200 kg	1	70267
0.440 kg	1	70571
0.580 kg	1	70572
0.640 kg	1	70573
2.100 kg	1	70574
	1.400 kg 3.500 kg 6.700 kg 12.600 kg 17.200 kg 24.200 kg 0.900 kg 0.410 kg 2.170 kg 2.700 kg 3.200 kg 0.440 kg 0.580 kg 0.640 kg	1.400 kg 1 3.500 kg 1 6.700 kg 1 12.600 kg 1 17.200 kg 1 24.200 kg 1 0.900 kg 1 0.410 kg 1 0.680 kg 1 2.170 kg 1 2.700 kg 1 3.200 kg 1 0.440 kg 1 0.580 kg 1 0.580 kg 1

2.940 kg

# Fittings wrench 90°

# Special chrome-vanadium steel, steel forged

Jaws for Chain pipe wrench HEAVY DUTY, 220 mm (8")

#### **Application Benefits**

- Plastic jaws guarantee a secure and gentle grip, especially for chrome-plated fittings or polished surfaces
- High-quality DURAMANT surface coating







70575



Model	Weight	PU	No.
Fittings wrench 90°, 34 mm (1″)	0.740 kg	1	70545

# **ROFAST pliers wrench**

For gripping, holding, pressing and bending surfacesensitive, chrome-plated screw fittings

Grinded plane-parallel jaws

### bending surface• Gentle on surface

**Application Benefits** 

- Gentle on surfaces: Smooth, parallel jaws enable use on sensitive surfaces
- Versatile use: Replaces spanner sets from 0-50 mm or 0-1.7/8" and dispense with use of other tools
- Convinient handling: Excellent pressing and clamping force with a 10 × force transfer for higher gripping force



# **Fitting key**

Steel forged, burnished, smooth jaws for protection of fittings and delicate or polished surfaces

#### **Application Benefits**

- Short lever: ideal for working in confined spaces
- Steel forged: Tough and durable
- Smooth jaws without teeth: For the protection of fittings and delicate or polished surfaces



Model	Weight	PU	No.
Clamping width 65 mm	0.710 kg	1	350900
Clamping width 75 mm	0.695 kg	1	350850

#### SANIGRIP/SANIGRIP PL

Special chrome-vanadium steel, steel forged, chromeplated, 4 adjustable sizes at joint, with toothed grip jaws SANIGRIP PL version with plastic jaws to protect the fittings

- Secure and gentle grip on valuable fittings without damaging polished surfaces
- Optimum grip is ideal for plastic screw joints up to  $\emptyset$  62 mm (siphon)



Model	Weight	PU	No.
SANIGRIP 14–80 mm	0.270 kg	1	70415
SANIGRIP PL 14-62 mm	0.280 kg	1	70416

**Fittings wrenches** 

# **EASYGRIP**

# Automatic strap wrench for plastic pipes Ø 20–160 mm (3/4–6″)

The indispensable tool for socket welding large diameter plastic pipes

#### **Application Benefits**

- The indispensable tool for socketing or fixing plastic pipes with larger diameters
- No damage to pipe surface with the centred prismatic support
- Secure grip with special non-slip nylon strap





Model	Weight	PU	No.
EASYGRIP 20-160 mm (3/4-6")	1.000 kg	1	55075
Spare strap EASYGRIP	0.100 kg	1	55076

# Strap and fittings wrench

# Made of special aluminium alloy, with replaceable nylon strap

For gentle work on chrome-plated surfaces up to  $\emptyset 3''$  or up to 8''

- Safe to use on chrome-plated fittings without damaging polished surfaces
- Use in the automotive industry (oil filter changes)



Model	Weight	PU	No.
Strap and fittings wrench 89 mm (3")	0.280 kg	1	70240
Strap and fittings wrench 220 mm (8")	0.280 kg	1	70241
Spare strap 8"	0.030 kg	1	70269



#### 14

# **UNI stepped key set**

For installation and removal of radiator valve nipples, return screw connections and short tap extensions. Chrome vanadium steel, hardened, nickel-plated, square drive 1/2"

#### **Application Benefits**

- Universally applicable: cam, internal hexagonal and 12-edged driver, sizes 3/8-1/2-3/4-1" and other sizes between
- No canting of nipples and screw connections eith special stepped key design
- Combination key enables installation and removal of radiator valve nipples, return fittings and short tap extensions
- 1/2" ratchet, quick and easy installation





#### 1/2" ratchet

Quick and easy assembly

Model	Weight	PU	No.
UNI stepped key nipples, 3/8–1/2–3/4–1″	0.120 kg	1	73298
UNI stepped key set with ratchet, 3/8–1″	0.670 kg	10	73297
Gas Stepped key	0.160 kg	1	73280
Reversible ratchet, 1/2"	0.550 kg	1	27180





# Sanitary four way key

# Chrome vanadium steel

### **Application Benefits**

- Four external hexagonal 3/8", 1/2", 3/4", 1" up to 100 mm and installation and removal of heating valves and tank connectors
- Three inner threads M8, M10 and M12 for hanger bolts

Model	Weight	PU	No.
Sanitary four way key with multifunctional	0.640 kg	1	351043

# Sanitary four way key

#### **Chrome vanadium steel**

- Four external hexagonal 3/8", 1/2", 3/4", 1" up to 100 mm and installation and removal of heating valves and tank connectors
- Three inner threads M8, M10 and M12 for hanger bolts



Model	Weight	PU	No.
Sanitary four way key with multifunctional	0.590 kg	1	351044

#### **RO-QUICK**

# Valve key Release valve holder and key for eccentric and standard valves

The RO-QUICK valve key is suited for installing eccentric and standard valves in bathtubs, basins and sinks.

# No damage to chromeplated parts!





# **Application Benefits**

- Quick and problem-free use by installation of bathtubs, basins and sinks
- Can be used from the bottom up
- With 2 facing, spring mounted locking cams, as well as holder with T-handle
- Adapter with star handle for showers, bathtubs (optional accessory)
- Torque-proof immediately on insertion

Model	Weight	PU	No.
RO-QUICK valve key 34 mm	0.300 kg	1	70414
RO-QUICK set	0.405 kg	1	70439
Adapter for RO-QUICK	0.070 kg	1	70413
Bathtub adapter Geberit for RO-QUICK	0.100 kg	1	70412

#### **ROCLIC**

#### Combined open-ended / hinged ratchet wrench

Chrome vanadium steel, polished and high shine chrome-plated

#### **Application Benefits**

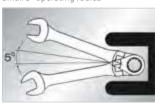
- Can also be used in confined working positions due to movable ring ratchet
- Precise work due to fine-running ratchet (72 teeth)



Fig. similar

# Small operating radius of only 5°!

Small 5° operating radius







Model	Weight	PU	No.
ROCLICK key set 8–10–11–13–14–17–19 mm, 7 pieces	1.150 kg	1	70490

DIN

# **Torque wrench set**

#### For proper tightening of flange connections

Set with adjustable torque wrench (10–70 Nm) and 6 spanner inserts sizes 17, 22, 24, 26, 27 and 29 mm for flange connections on 1/4'', 3/8'', 1/2'' and 5/8'' pipe lines according to DIN EN 378- 2:2012-08



Fix with torque urgently necessary!

**7 pieces set (No. 1750.01) includes:** spanner wrench sizes 17–22–24–26–27–29 mm, torque wrench, carrying bag

Model	Weight	PU	No.
Torque wrench set 17–22–24–26–27–29 mm	3.500 kg	1	175001

#### **ROCLICK ratchet spanner**

#### Chrome vanadium, head black atramentized

#### **Application Benefits**

- With the spring mechanism—the harder the pressure, the more firmer the grip
- Self-ratcheting effect when turning back
- Fast extraction and loosening of screws
- Suitable especially for screws on pipes, cables and rods



Model	Weight	PU	No.
ROCLICK 10 mm	0.080 kg	1	70420
ROCLICK 11 mm	0.080 kg	1	70419
ROCLICK 12 mm	0.080 kg	1	70421
ROCLICK 13 mm	0.090 kg	1	70422
ROCLICK 14 mm	0.090 kg	1	70423
ROCLICK 16 mm	0.130 kg	1	70424
ROCLICK 19 mm	0.188 kg	1	70426
ROCLICK 21 mm	0.230 kg	1	70427
ROCLICK 24 mm	0.240 kg	1	70418
ROCLICK key set 8–10–11–13–14–17–19 mm, 7 pieces	1.150 kg	1	70490

# **SWO** adjustable wrench

# Chrome vanadium steel, chrome-plated and polished

For loosening and tightening screw connections.



- Metric measuring scale on the jaws for easy determination of the sizes of nuts and bolts
- Great accessibility in confined spaces, non-protruding jaw shank at maximum opening
- Perfect gripping of nuts and bolts due to absolutely parallel jaw surfaces

Model	Weight	PU	No.
SWO, 6", 34 mm (1.3/8")	0.205 kg	1	1500001509
SWO, 8", 39 mm (1.1/2")	0.345 kg	1	1500001510
6–8″, 5 pieces each	0.310 kg	1	1500001736

**Craftsman Standard Tool** 

#### **Basin nut wrench**

# Chrome vanadium steel, drop forged, very tough

For moving screw nuts in hard-to-reach places

#### **Application Benefits**

- Optimum force transmission with T-handle
- Rotatable claw for right and left-handed rotation







Model	Weight	PU	No.
Basin nut wrench 10–32 mm (3/8–1.1/4″)	0.475 kg	1	70228

# Telescopic basin nut wrench

Chrome-plated, with pivoted reversible claw for right and left-handed rotation



Telescopic attachment, 3 × adjust	able in length!

Model	Weight	PU	No.
10-32 mm (3/8-1.1/4")	0.710 kg	1	70225
20-48 mm (3/4-1.7/8")	0.740 kg	1	70226
32-63 mm (1.1/4-2.1/2")	0.780 kg	1	70227

# **Basin nut pliers**

Chrome vanadium steel, forged, painted, with adjusting screw



Model	Weight	PU	No.
Basin nut pliers	0.580 kg	1	351050

# Basin nut wrench set 3/8"

The basin nut wrench set is used for loosening or tightening nuts at hard to access spots. The movable T-Grip enables a optimal use of force.



Model	Weight	PU	No.
Stand-cock nut set with extension 200 mm, T-Grip, SW 27–32–36, bag	1.050 kg	1	100109
Stand-cock nut set with extension 200 mm, T-Grip, SW 32–36–47, bag	1.200 kg	1	100110
Stand-cock nut set with extension 200 mm, T-Grip, SW 36–47, bag	1.000 kg	1	100108
Stand valve key insert SW 32	0.200 kg	1	100112
Stand valve key insert SW 36	0.250 kg	1	100113
Stand valve key insert SW 47	0.345 kg	1	100114

# **EUROLINE** screwdriver set

#### Screwdriver set for screwing screws in and out

Blade made of chrome vanadium steel with high torque and hardness, matt chrome-plated Hardened, burnished tip with high durability for reliable force transmission even for tightly secured screws Guaranteed perfect seat on screw head, long service life even with long term use Handle made of high-quality plastic, grip-friendly AS knob form

- High force transmission with 2 component handle
- High torque
- Guarantees perfect seat on screw head
- Color coding for different tips enables quick differentiation
- Oil, fat and hydrocarbon resistant





Sets include:	<b>Pozidriv</b> No. 73571	Phillips No. 73570
<b>=</b>	3.5×75 mm 4×100 mm	3.5×75 mm 4×100 mm
<b>=</b> 10=	5,5 × 125 mm 6.5 × 150 mm	5.5 × 125 mm 6.5 × 150 mm
0	PZ 1 × 100 mm PZ 2 × 125 mm	
<b>•</b>		PH 1 × 100 mm PH 2 × 125 mm

Model	Weight	PU	No.
Screwdriver set Phillips	0.700 kg	1	73570
Screwdriver set Pozidriv	0.700 kg	1	73571

**Craftsman Standard Tool** 

# **Chisel screwdriver set EUROLINE IMPAKT**

Screwdriver with continuous, strengthened blade

#### **Application Benefits**

 One-piece, strengthened blade with metal cap allows directed hammer blows, for example loosening stuck screws

# Set (No. 73575) includes:

5.5 × 100 mm 6.5 × 125 mm 8.0 × 150 mm

PH 1 × 80 mm PH 2 × 100 mm

2 component handle made of high-quality, plastic, grip-friendly AS knob form

High force transmission



2 tools in 1!

Color coding for different tips

Quick differentiation

ROTHENBERGER

Surface treated precision tip

Guarantees perfect seat on screw head

Blade made of high-quality, tempered chrome vanadium steel

High torque proof

**5 pieces set (No. 73575) includes:** slot screwdriver  $5.5 \times 100$  mm(No. 73565),  $6.5 \times 125$  mm (No. 73566),  $8 \times 150$  (No. 73567), Phillips PH  $1 \times 80$  mm 1 (No. 73536), PH  $2 \times 100$  mm (No. 73537)

Model	Weight	PU	No.
Chisel screwdriver set EUROLINE IMPAKT, 5 pcs.	0.750 kg	1	73575

Constant strenghtened blade with metal cap





#### **VDE** screwdriver set

Blades made of chrome vanadium molybdenum steel, thoroughly hardened, extrusion-coated blade insulation tightly joined with handle, 1,000 Volt



Model	Weight	PU	No.
VDE screwdriver set 7 pieces	0.680 kg	1	323126









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#### **ROCHECK**

Spirit level for angled valves For exact vertical and horizontal adjustment of fittings

#### **Application Benefits**

- · With horizontal and head levels
- One side with 1/2" extrenal screw thread

### **Precise Installation!**



Model	Weight	PU	No.
ROCHECK spirit level for angled valves 200 mm	0.220 kg	1	70661
ROCHECK set in steel case	2.095 kg	1	70667

#### **ROCHECK**

#### Spirit level for standard distances



Accurate installations with installation gauge for fittings, with horizontal and vertical levels, unbreakable

#### **Application Benefits**

• For standard distances: 97–120–153–160–170–200–210 mm

#### **Exact Adjustment!**

Exact installation by assembling jig for braces



4 pieces set (No. 70667) includes: spirit level for angled valves  $200\,\mathrm{mm}$  (No. 70661), spirit level for standard distances  $300\,\mathrm{mm}$  (No. 1500004454), 1 flexible ruler 2 m (No. 252100), steel carrying case (No. 24022)

Model	Weight	PU	No.
ROCHECK spirit level for standard distances 300 mm	0.260 kg	1	1500004454

# Cartridge extractor set

#### Simple extraction of cartridges in taps

Screw the appropriate cartridge extractor on the threaded rod, attach to the cartridge, guide the cartridge body and counter piece over the thread rod, rotate the t-handle and pull the cartridge out of its seat

#### **Application Benefits**

- Simple extraction of cartridges in taps
- 4 adaptors with hook, threaded rod, screw or rivet adaptor for cartridges made before 1979, starting in 1979 and MOEM cartridges, as well as extraction tools



Set (No. 854390) includes: T-handle (No. 854380), screw  $12 \times 92$  (No. 854381), turning handle (No. 854382), threaded rod M10 × 130 (No. 854383), cartridge body  $32 \times 131$  (No. 854384), cartridge extractor with thread (No. 854385), cartridge extractor with hook (No. 854386), cartridge extractor  $20 \times 45$  (No. 854387), counter piece (No. 854388), steel carrying case

Model	Weight	PU	No.
9 pieces set	1.250 kg	1	854390

Craftsman Standard Tool/Spirit Level

# Standard spirit level

Standard spirit level for exact horizontal and vertical alignment of objects

For the exact horizontal and vertical alignment of objects

#### **Application Benefits**

- Deformation-free aluminium rectangular profile, anodised
- Imprinted, centred centimetre scale
- Shock and weather proof
- Horizontal and vertical levels, non-breakable, permanently aligned in carrier
- Measuring accuracy in normal position 0.029° = 0.5 mm/m







Model	Weight	PU	No.
Spirit level Aluminum, 400 mm, 6-dash level	0.240 kg	1	255040
Spirit level Aluminum, 600 mm, 6-dash level	0.320 kg	1	255060
Spirit level Standard, 430 mm	0.260 kg	1	1500001583
Spirit level Standard, 600 mm	0.340 kg	1	1500001547
Spirit level Standard, 1,000 mm	0.640 kg	1	1500001548

#### **ROMATIC**

Rolling measuring tape and wood folding ruler for measuring short distances with mm accuracy

- Easy handling
- Automatic tape rewind
- With set / stop button that can be used as marker for repeated measurements





Model	Weight	PU	No.
ROMATIC tape measure, 5 m	0.230 kg	1	77397
Folding ruler, wooden, 2 m	0.100 kg	1	252100

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#### **Electrical power combination pliers**



#### **Application Benefits**

- Equipped with an integrated ring spanner for M8 and M10 nuts/screws
- · Inductive hardened blade to ensure a higher service life
- Asymmetric grip function can be used to grab round or flat materials



Model	weignt	PU	No.
Electrical power combination pliers	0.250 kg	1	1500003163

### **Electrical multi insulation stripper**



#### **Application Benefits**

- Improvement of the common insulation stripper and does not need an adjusting screw
- Ideally suitable to strip Ø 5–16 mm cable coatings
- The stripping function enables cable stripping of singleor multicore cables up to Ø 5.0 mm



Model	Weight	PU	No.
Electrical multi insulation stripper	0.230 kg	1	1500003167

# **Electrical long nose pliers**

# **☆ 1000 V** IEC 60900

#### **Application Benefits**

- Inductive hardened blade to ensure a higher service life
- Integrated M10 ring spanner to tighten/loosen nuts and screws
- Grab wires precisely, the serrated gripping surface ensures a tight, firm grip



Model	Weight	PU	No.
Electrical long nose pliers	0.200 kg	1	1500003168

# **Electrical edge cutter**

# **☆ 1000 V** IEC 60900

### **Application Benefits**

- · Inductive hardened blade to ensure a higher service life
- Wave profile of the blade provides an anti-slip function:
   The wire does not slip out while being cut
- Comfortable handling thanks to ergonomic 3 K handles



Model	Weight	PU	No.
Electrical power edge cutter	0.210 kg	1	1500003164
Electrical power edge cutter	0.300 kg	1	1500003166

#### **Voltage Detector E-Detector 90–1000 V**

# **Application Benefits**

- The non-contact voltage tester detects AC voltage in a range of 90–1,000 V
- When voltage is detected, a red LED lights up. In addition, a flashlight is attached to the voltage tester.



Model	Weight	PU	No.
Voltage Detector E-Detector 90–1000 V	0.030 kg	1	1500003374

# **Electrical installation pliers**

# **☆ 1000 V** IEC 60900

- Integrated stripping function, ring spanner and gripping zone for flat and round material
- Multi purpose tool makes lots of other tools obsolete
- · Angled design enables low-fatigue working



#### **RO DD 60 cordless drill driver**

The RO DD60 cordless drill and screwdriver functions as both a screwdriver and a drill.

The RO DD 60 drill drive can be used for both screwing and drilling. High performance thanks to the powerful 4-polemotor with 60 Nm torque (steel) and 34 Nm (wood) which can be adjusted in 20 steps.

#### **Application Benefits**

- Quick Change Adapter allows quick change of the tool holder for even faster work
- An additional hexagon socket enables working without a drill chuck and direct attachment of a bit.
- Precise work thanks to integrated working light, even in poor lighting conditions
- Always have the right accessories ready to use, thanks to the belt hook and bit depot







#### **Technical Data**

System battery	CAS
Type battery	Li-Power
Idle speed	0-450 / min
Torque hard screwcase	60 Nm
Torque soft screw case	34 Nm
Drilling diameter steel	13 mm
Drilling diameter softwood	38 mm
Battery voltage	18 V



#### Extra powerful

4-pole motor for fast drilling and screwing

#### Bit holder

Optional right/left fixable

#### Maximum power

Intelligent battery management with capacity indicator to control the battery level



Set (No.100001647) includes: RO DD60 drill driver, RO BP18/2 2.0 Ah battery (No. 1000001652), RO BC14/36 charger EU (No. 1000001654), quick change chuck, quick change bit holder, belt hook and bit case, ROCASE 4414 anthracite (No. 1000001949)

Model	Weight	PU	No.
RO DD 60 cordless drill driver bare tool without battery, without charger	1.910 kg	1	1000002035
RO DD 60 cordless drill driver set EU	4.320 kg	1	1000001647

# **ROBIT PRO**

#### 15 pieces

#### **Application Benefits**

- Extensive bit set as perfect equipment for professional craftsmen
- · High-quality material for heavy usage
- · Adjustable belt-clip



**Set (No. 1500002453) includes**: 30-bit:  $1/4^{\prime\prime} \times 25$  mm, PH: 1, 2, 2, 3 mm, PZ: 1, 2, 2, 3 mm, FD: 3, 4, 5, 6 mm, HW: 3, 4, 5, 6 mm, TX: 10, 15, 20, 25, 27, 30, 40 mm, TTX: 10, 15, 20, 25, 27, 30, 40 mm, quick release magnetic bit holder

Model	Weight	PU	No.
ROBIT PRO set 32 pieces	0.294 kg	1	1500002453

# **ROBIT PRO torsion**

#### 15 pieces

#### **Application Benefits**

- Extensive bit set as perfect equipment for professional craftsmen
- · High-quality material for heavy usage
- Adjustable belt-clip



Set (No. 1500002454) includes: 14-bit:  $1/4'''' \times 25 \, \text{mm}$ , PH: 1, 2 mm, PZ: 1, 2 mm, FD: 4, 6 mm, HEX: 3, 4, 5 mm, TX: 10, 15, 20, 25, 30 mm, quick release magnetic bit holder

Model	Weight	PU	No.
ROBIT PRO torsion bit set 15 pieces	0.140 kg	1	1500002454

#### **Toolbox set**

# For versatile applications in installation and maintenance







Set (No. 1500002764) includes:  $1 \times thin$  type lever ratchet handle with 72-teeth gear,  $2 \times extension$  bars 50 mm and 100 mm,  $1 \times universal$  joint,  $1 \times sliding$  T-head  $3/8" \times 1/4"$ ,  $12 \times sockets$ : 4-5-5,5-6-7-8-9-10-11-12-13-14 mm, in soft foam and ROBOX B2350 (No. 1500002641)

Set (No. 1000002181) includes:  $1 \times 1-1/4''$  bit holder,  $52 \times$  bits  $1/4'' \times 25$  mm:  $13 \times$  star bit (torx) 5-6-7-8-9-10-15-20-25-27-30-35-40 mm,  $6 \times$  hex bit (H) 2-2.5-3-4-5-6 mm,  $3 \times$  tri wing bit 1-2-3 mm, 5-ribe bit (RM) 5-6-7-8-9 mm, 9-pentalobe bit 7-10-15-20-25-27-30-40-45 mm, 3-spline bit (M) 5-6-8 mm, 6-hex bit SAE (H) 5/64'', 3/32'', 7/64'', 1/8'', 9/64'', 5/32'',  $4 \times$  torq bit 4-6-8-10 mm,  $4 \times$  spanner bit 4-6-8-10 mm, in soft foam and ROBOX B2350 (No. 1000002641)

Set (No. 1000002182) includes:  $10 \times$  bits 90 mm:  $2 \times$  Phillips: 1-2 mm,  $2 \times$  Pozi: 1-2 mm,  $6 \times$  torx: 10-15-20-25-30-40 mm with color ring in soft foam and ROBOX B2350 (No. 1500002641)

Model	Weight	PU	No.
Toolkit set 17 pieces, 6-edge socket set 1/4″, ROBOX	0.440 kg	1	1500002764
Toolkit set 53 pieces, safety and special bit set 1/4″, ROBOX	0.435 kg	1	1000002181
Toolkit set 10 pieces, 90 mm colorbring-bit set 1/4", ROBOX	0.295 kg	1	1000002182

**Drill bit adapter** 

# **UNICUT HM**

Carbide-tipped hole saws for cutting circular holes Ø 16–140 mm (5/8–5.1/2") without impact

For stationary and free-hand cutting of circular holes. For iron, steel, V2A–V4A, cast iron, copper, bronze, aluminium, zinc, plastic, fibre-glass, chipboard and wood, light construction plaster boards without impact.

- For use even in high-speed hand drills and stand-mounted drilling machines due to anti-slip shank
- Positive cutting angle for good chip removal
- Includes adaptor holder and replaceable HSS Co5 centring drill, up to 4 mm sheet thickness and cutting depth 10 mm



















Model	Weight	PU	No.
UNICUT HM 16 mm (5/8″)	0.100 kg	1	21316
UNICUT HM 19 mm (3/4")	0.114 kg	1	21319
UNICUT HM 34 mm	0.180 kg	1	21334
UNICUT HM 35 mm (1.3/8")	0.190 kg	1	21335
UNICUT HM set 22–25–28–32–35 mm	0.950 kg	1	21300
Spare centering pin HSS 8 mm	0.017 kg	1	21395

# **RO ID 400 cordless impact wrench**

Screws or hex nuts can be mounted or dismounted at top speed. Profiles of the pre-wall installation or sprinkler systems are thus no longer a challenge







Battery-powered impact wrench for tightening and loosening screws and nuts

#### **Application Benefits**

- Brushless motor: For fast work progress and maximum efficiency in every application
- Extremely high torque: With handy design
- Twelve speed/rotation levels: For a wide range of applications
- Always have the right accessories ready to use, thanks to the belt hook and bit depot

#### **Technical Data**

System battery	CAS
Type battery	Li-Power
Stroke number	4,250/min
Idle speed	0-2,150 / min
Weight with battery	2.110 kg
Battery voltage	18 V



Set (No.1000001648) includes: RO ID400 impact wrench, RO BP18/2 2.0 Ah battery (No. 1000001652), RO BC14/36 charger EU (No. 1000001654), bit holder, belt hook, ROCASE 4414 anthracite (No. 1000001949)

Model	Weight	PU	No.
RO ID 400 cordless impact wrench set EU	1.500 kg	1	1000001648
RO ID 400 cordless impact wrench bare tool without battery, without charger	2.280 kg	1	1000002036

No. 1000001949

#### **RO AG 8000 cordless angle grinder**

Smaller work steps, such as the rough removal of hanger bolts or the cutting of a U-profile are easily and quickly handled. The slim design and the rotatable battery allow work in confined spaces and simplify work areas such as disassembly.

The RO AG8000 cordless angle grinder is the ideal tool for processing of thin sheets, steel cables, thin-walled profiles and pipes made of stainless steel and metals and composites

### **Application Benefits**

- Slim design for low-fatigue working in confined spaces or overhead.
- Save time with a tool-free adjustable protective hood, as well as tool-free disc replacement
- Removable dust filter protects the motor from coarse particles







#### **Technical Data**

System battery	CAS
Type battery	Li-Power
Idle speed	8,000/min
Weight with battery	2.400 kg
Battery voltage	18 V



No. 1300003338

**Set (No.100001649) includes:** RO AG8000 angle grinder, RO BP18/4 4.0 Ah battery (No. 1000001653), RO BC14/36 charger EU (No. 1000001654), guard, quick-locking nut, side handle, dust filter, ROCASE 4414 anthracite (No. 1000001947)

Model	Weight	PU	No.
RO AG 8000 cordless angle grinder bare tool without battery, without charger	1.700 kg	1	1000002037
RO AG 8000 cordless angle grinder set EU	4.575 kg	1	1000001649

# **PROFI PLUS cutting disc**

PROFI PLUS cutting disc														
For burr-free and quick cutting of stainless steel, steel, cast iron and stone	eel,													
Model	No.	Alloyed and unalloyed steel	High strength steel	Tool steel	Rust- and acid- resistant steel	Edged steel profiles	Steel panel	Welded joints	Edged stainless steel profiles	Cast	Alumniumalloying	Copper	Brass/bronze	
Cutting disc INOX PROFI PLUS (115 $\times$ 1 $\times$ 22)	071533D	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>V</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	$\checkmark$	<b>//</b>	<b>V</b>	<b>V</b>	
Cutting disc INOX PROFI PLUS (125 × 1 × 22)	071534D	<b>V</b>	<b>V</b>	<b>V</b>	<b>//</b>	<b>V</b>	<b>V</b>	<b>V</b>	<b>V</b>	V	<b>//</b>	<b>//</b>	<b>//</b>	

# $\checkmark$ = very well suited $\checkmark$ = well suited $\checkmark$ = partially suited

### **PROFI PLUS cutting disc**

# For burr-free and fast cutting of stainless steel, steel, cast iron and stone

For thin sheet metal (e.g. in car body, tank and container construction), steel cables, thin-walled profiles and pipes made of stainless steel and non-ferrous metals, composite materials (GRP) and high-temperature materials.

#### **Application Benefits**

- Very thin (1 mm): Allows a clean cut with minimal effort in short time
- Best results: Milimetre accurate use, vibration-free operation, no thermal blue discoloration and no burr formation











Model	Weight	PU	No.
PROFI PLUS cutting disc INOX, 115 × 1, 10 pieces, box	0.335 kg	1	071533D
PROFI PLUS cutting disc INOX, 125×1, 10 pieces, box	0.395 kg	1	071534D









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Craftsman Standard Tool / Drill bit adapter

# **SDS-plus hammer drill**

For drilling in granite, concrete, concrete reinforcement, clinker, stone, masonry and marble

Application area: for granite, concrete, concrete reinforcement, clinker, stone, masonry and marble Application: In all rotary hammers with SDS-plus receptacle and 2-slot receptacle such as ROTHENBERGER RO RH4000



Model	Weight	PU	No.
6 × 110 mm	0.490 kg	1	111405
6 × 160 mm	0.440 kg	1	111406
8 × 110 mm	0.050 kg	1	111411
8 × 210 mm	0.070 kg	1	111413
10 × 110 mm	0.070 kg	1	111418
10 × 160 mm	3.980 kg	1	111419
12 × 160 mm	0.090 kg	1	111424
12 × 260 mm	0.150 kg	1	111426
12 × 460/410 mm	0.700 kg	1	111427
14×260 mm	0.180 kg	1	111432

Model	Weight	PU	No.
15 × 160 mm	0.135 kg	1	111429
16×210 mm	0.340 kg	1	111439
16×300 mm	0.170 kg	1	111440
18 × 250 mm	0.440 kg	1	111445
18 × 450/410 mm	0.700 kg	1	111447
20×450 mm	0.060 kg	1	111450
22×450 mm	0.640 kg	1	111452
24×460/410 mm	0.700 kg	1	111454
25 × 450 mm	0.060 kg	1	111455

#### Chisel

High-quality, fully coated steel chisels with high life time. The construction and cutting edge geometry enable a heavy stock removal



**Set (No. 1500002829) includes:** flat chisel SDS-plus (No. 1500002825), sharp chisel SDS-plus (No. 1500002826), tile chisel SDS-plus, 40 mm (No. 1500002828), ROBOX B2650 (No. 1000002763)

Model	Weight	PU	No.
Tile chisel 80 mm SDS-plus 170 mm	0.385 kg	1	1500002824
Flat chisel SDS-plus 250 mm	0.270 kg	1	1500002825
Sharp chisel SDS-plus 250 mm	0.250 kg	1	1500002826
Hollow chisel 22 mm SDS-plus 250 mm	0.300 kg	1	1500002827
Tile chisel 40 mm SDS-plus 250 mm	0.300 kg	1	1500002828
Chisel set, 3 pcs. SDS-plus with ROBOX	1.000 kg	1	1500002829

# **RO FL 180 cordless LED lamp**

The RO FL180 is the perfect companion for the sanitary and heating installer. Due to the size and the different setting functions, the RO FL180 provides the perfect light and facilitates the daily work of the professional tradesman

#### **Application Benefits**

- Powerful LED rod lamp for uniform, bright working light
- · Compact and handy for versatile use
- Lamp head can be rotated and swiveled 180° for virtually unlimited lighting positions
- Rotatable hook for hanging the lamp







#### **Technical Data**

System battery	CAS
Max operating time per battery charge (18V/8.0Ah)	9.1 h
Luminous flux	440 lm
Battery voltage voltage unit	18 V



**Set (No.100001651) includes:** RO FL180 LED lamp, RO BP18/2, 2.0 Ah battery (No. 1000001652), RO BC14/36 charger EU (No. 1000001654), ROCASE 4212 anthracite

Model	Weight	PU	No.
RO FL 180 cordless LED lamp without battery, without charger	1.570 kg	1	1000001734
RO FL 180 cordless LED lamp EU	2.540 kg	1	1000001651

**Cordless accessories** 

# **AMPShare battery packs and charger**

All AMPShare battery packs and chargers are fully compatible with tools and machines of the cross-brand AMPShare community—including the entire Bosch Professional 18 V system. The leading battery technology guarantees powerful performance, exceptionally long service life and fast charging technology.



- Coolpack technology with fast heat removal ensures longer service life and long running times
- Compact and lightweight for ergonomic working
- ProCore 18 V batteries with even more power for the toughest Appllications



No. 1000003859



No. 1000003864



No. 1000003860



No. 1000003863



Model	Weight	PU	No.
RO BP18/2, 2.0 Ah 18 V	0.400 kg	1	1000003859
RO BP18/4, 4.0 Ah 18 V	0.600 kg	1	1000003860
RO BP18/4, 4.0 Ah 18 V, ProCORE	0.520 kg	1	1000003863
RO BP18/8, 8.0 Ah 18 V, ProCORE	0.960 kg	1	1000003864
RO BC18 charger, 230 V	0.550 kg	1	1000003858



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# CAS battery packs and charger

All machines, battery packs and chargers of the CAS system can be easily combined across manufacturers. Powerful 18-volt battery technology in Li-Ion or Li-HD version from 2.0 Ah to 8.0 Ah capacity. The Li-HD version covers a power range of up to 3,200 watts, for particularly energy-intensive applications.







#### **Application Benefits**

- Intelligent battery management with permanent electronic single cell protection (ESCP) during charging—for particularly long service life
- Level gauge to check battery capacity
- Li-HD versions with extra robustness thanks to rubber buffers between the cells and outer rubber coating of the battery pack as shock protection







No. 1000001654

Model	Weight	PU	No.
RO BP18/2, 2.0 Ah 18 V	0.420 kg	1	1000001652
RO BP18/4, 4.0 Ah 18 V	0.575 kg	1	1000001653
RO BP18/4, 4.0 Ah 18 V, Li-HD	0.515 kg	1	1000002548
RO BP18/8, 8.0 Ah 18 V, Li-HD	0.915 kg	1	1000002549
RO BC14/36 charger, 230 V	0.580 kg	1	1000001654



#### Fitter's hammer

According to DIN 1041, hickory wooden handle, head secured by sealed shaft

Use the Fitter's hammer for chiselling and driving in nails and dowels as well as for joining components





Model	Weight	PU	No.
Fitter's hammer	0.470 kg	1	322823

# **Lump hammer**

According to DIN 6475, hickory wooden handle, cast handle for head protection

Complies with DIN 6475, hickory wooden handle, head secured by sealed shaft





Model	Weight	PU	No.
Lump hammer	1.380 kg	1	322922

#### **Chisel**

Safety tempered impact head prevents splintering off the chisel head

- Silver lacquered tip
- Chrome-manganese-silicon-steel



Model	Weight	PU	No.
Mason chisel, flat	0.560 kg	1	77050

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#### **Parallel vice**

With forged and hardened pipe clamping jaws, steel forged underneath the parallel vice jaws



The parallel vice is ideally suited for clamping pipes of all types with Ø 3/8-2''

#### **Application Benefits**

- Non-breakable
- Protected, powerful spindle with trapezoidal thread
- Re-adjustable prismatic guide on both sides
- · Anvil base for levelling and compressing work



Model	Weight	PU	No.
Parallel vice 16-55 mm (3/8-1.1/2")	8.700 kg	1	070705X
Parallel vice 27–70 mm (3/4–2")	15.600 kg	1	070735X

# Chain pipe vice

Tough, powerful design with V-shaped support, bending device and pipe support, wear-resistant clamping jaws are forged and hardened, powerful chain, quick fastening due to offset lever and pretensioning screw, simple coversion to other pipe diameters, extremely robust powder epoxy coating

#### **Application Benefits**

• V-shaped pipe supports with teeth and bridge prevent undesired bending during clamping







Model	Weight	PU	No.
10-76 mm (1/8-2.1/2")	3.800 kg	1	70713
10-114 mm (1/8-4")	6.200 kg	1	70714
10-165 mm (1/8-6")	9.300 kg	1	70715

#### Pipe vice

Foldable, with automatic closing hook, upper clamping jaw and lower support jaws milled and hardened. Powerful smooth-running spindle. Durable epoxy-powder coated



Foldable pipe vice for non-slip and deformation-inhibiting clamping of pipes with  $\emptyset$  1/8–4" of all marial types

#### **Application Benefits**

• Reliable hold: Pipe support and movable upper clamping jaw





Model	Weight	PU	No.
10-60 mm (1/8-2")	3.700 kg	1	70710
10-89 mm (1/8-3")	7.900 kg	1	70712
10-114 mm (1/8-4")	11.730 kg	1	70711

# **ROBOY clamping workbench**

For on-site repair and service work

- Portable, handy and practical workbench with the smallest dimensions
- Mountable on door frames or free-standing walls: Prevents floors damage and saves space
- Pressure plate is coated with rubber to protect against damage
- Spindle with trapezoidal thread allows quick adjustment
- With height-adjustable support pipe for additional stability



Parallel vice (No. 070705X) and rotatable table not included

Model	Weight	PU	No.
ROBOY 650 × 400 mm	14.900 kg	1	70700

## Tripod uni workbench

#### With/without integrated chain vice

#### **Application Benefits**

- Collapsible, extremely stable frame
- Attachment of various tools is possible
- Screw fixture for 1″ pipe to enable overhead support of the unit with integrated chain vice
- Bending of pipes Ø 3/8–1/2–7/8" without integrated chain vice
- Bending of pipes Ø 3/8-1/2-3/4"
- Universal vice attachments applicable for pipe vice (No. 70710) and chain pipe vices (No. 70713, 70714, 70715



Model	Weight	PU	No.
Tripod universal workbench with chain vice	16.000 kg	1	70752
Tripod universal workbench without chain vice	15.300 kg	1	70751

# **Telescopic workbench**

#### Workbench for all kinds of work

## **Application Benefits**

- Stable, collapsible tubular steel frame with smallest dimensions
- Portable, handy and practical
- With tough beech wood plate for an optimum work surface, steel edges all around: Ideal for vice work
- Individually extendable legs allow easy working even on stairs



Model	Weight	PU	No.
Telescopic workbench 700×450×30 mm	17.400 kg	1	070699X

## Working tool 1/8-2"

#### With pipe vice

#### **Application Benefits**

- Collapsible, stable, non-slip frame
- · With folding pipe vice, bending holes and large tool tray



Model	Weight	PU	No.
Working tool 1/8–2″	21.000 kg	1	70740

#### **Universal workbench**

#### Workbench for all kinds of work

- Stable and tough, easy to transport: collapsible tubular frame
- Optimum work surface: work plate made of processed beech wood
- Model "Pipe-fitter" steel edges all around: ideal for vice machining



Model	Weight	PU	No.
Pipe-fitter 1,000 × 700 × 835 mm	32.000 kg	1	70696
Pipe-fitter 1,200 × 750 × 835 mm	38.000 kg	1	70698
Installer 1,200 × 550 × 835 mm	30.000 kg	1	070690X

# **Hemp dispenser**

For sealing thread connections in water or gas installations



Model	Weight	PU	No.
Hemp dispenser with roll, 40 m	0.060 kg	1	70623

# **Carpenter pencil**

Suitable for marking, sketching or writing on wood, paper, tiles and glass



Model	Weight	PU	No.
Carpenter pencil	0.020 kg	1	856907

#### **Cutter knife**

#### For cutting plastics, fabrics, paper and similar materials

#### **Application Benefits**

- Rubberised handle
- Locking device
- 4 blades included



Model	Weight	PU	No.
Cutter knife with 4 blades, 18 mm	0.110 kg	1	1500000087
Blades for cutter knife (10 pcs.)	0.075 kg	1	1500001299

## **Trendy tool bag**

Tool bag with plenty of storage space for all tools. Comfortable to carry with handle and shoulder strap



Model	Weight	PU	No.
Trendy tool bag 380 × 300 × 370 mm	1.880 kg	1	402311

## **Tool bag**

Sturdy tool bag with enough space for the most important tools



Model	Weight	PU	No.
Tool bag 450 × 285 × 335 mm	2.300 kg	1	1500001320

## **Tool bag small**

# Sturdy tool bag with enough space for the most important tools

The tool bag is also suitable for heavy tools, as the plastic base is particularly firm and stable. It offers enough space for the necessary tools in customer service use or also for repairs and new building installations

#### **Application Benefits**

- Offers many storage compartments and tool holders
- · Waterproof bottom included
- Volume approx. 151



Model	Weight	PU	No.
Tool bag small, 280 × 360 × 230 mm	1.500 kg	1	1500002182

# Trendy shoulder toolbox

Tool shoulder bag for the most important tools. With many compartments and an adjustable shoulder strap

The practical tool shoulder bag is ideal for transporting hand tools

## **Application Benefits**

· Lots of storage room for all your tools



Model	Weight	PU	No.
Trendy shoulder toolbox 250 × 220 × 140 mm	0.580 kg	1	402308

#### **Assembly toolbox 5 pieces**

Tool bag with a lot of pockets and tool holders with a waterproof plastic bottom. The set offers a good selection of high quality tools for every craftsman

The practical tool box contains all the tools for pipe processing

#### **Application Benefits**

- Diverse: Extensive and practical tool kit
- Portable: Practical and robust carrying case made of galvanized steel



Model	Weight	PU	No.
Assembly toolbox 5 pieces	4.730 kg	1	402312

# **Tool bag universal**

Tool shoulder bag for the most important tools. With many compartments and an adjustable shoulder strap

The practical tool shoulder bag is ideal for transporting hand tools

- Very light handy bag for the most important tools
- Volume approx. 11 l



Model	Weight	PU	No.
Tool bag universal, 220 × 440 × 230 mm	0.700 kg	1	1500002230

## **Apprentice set 50 pieces**

Tool bag with a lot of pockets and tool holders with a waterproof plastic bottom. The set offers a good selection of high quality tools for every craftsman

The practical tool box contains all the tools for pipe processing

#### **Application Benefits**

- Extensive and practical tool assortment
- Case made of galvanized steel
- Dimension: 530 × 200 × 200 mm



Set (No. 19166) includes: water pump wrench type SP 10", corner pipe wrench Super S (1"), ALU-spirit level, anodized (500 mm), hacksaw frame (300 mm), 10 × HSSE 4 PLUS saw blades, fitter's hammer (300 g), lump hammer (1,250 g), PUK-hacksaw (290 mm) + 12 × saw blades, basin nut wrench, stone chisel flat (300 × 16 mm), Ratched key ROCLICK 19 mm, UNI-stepped key + ratchet, EUROLINE screwdriver set (Phillips), chassis punch (32 mm round), wooden ruler (2 m), carpenter pencil, TUBE CUTTER 35 (6–35 mm), MINICUT I PRO (3–16 mm), extension key, corner pipe wrench Super S (1.1/2"), cutter knife, ROGRIP F 10", 1K, installer toolbox, dimensions: 530 × 200 × 200 mm

Model	Weight	PU	No.
Apprentice set 50 pieces	14.000 kg	1	19166

# **General purpose tools set 57 pieces**

Tool bag with a lot of pockets and tool holders with a waterproof plastic bottom. The set offers a good selection of high quality tools for every craftsman



Set (No. 1000001425) includes: TUBE CUTTER 35 DURAMAG (6–35 mm), UNI-step-ped key + ratchet, Uni-small saw PUK, 10×saw blade for PUK-saw metal, saw bow ROBO Super, 10×saw blades BI-METALL HSSE 4 Plus, Ratched key ROCLICK 19 mm, EUROLINE screwdriver set (2×PH, 4×Sclot), spirit level, carpenters pencil, flexible ruler, MINICUT I Pro (3–16 mm), profi universal knife, hammer with hickory wooden handle, electrician chisel, flat, sanitary four way key, ROGRIP M XL (3.1/2"), ROGRIP M 10", 1K, ROGRIP M 7", 1K, ROCUT TC 42 (0–42 mm), SWO adjustable wrench 8", tool bag (450×285×335 mm)

Model	Weight	PU	No.
General purpose tools set 57 pieces	10.342 kg	1	1000001425

# **General purpose tools set 17 pieces**

Tool bag with a lot of pockets and tool holders with a waterproof plastic bottom. The set offers a good selection of high quality tools for every craftsman



Set (No. 100001745) includes: EUROLINE screwdriver set, water pump pliers SP 10", water pump pliers SP 7", professional cutter knife, MINI MAX Tube Cutter, 3–28 mm, GRATFIX HSS with spare blade, sanitary four way key multifunctional 3/8–1", flexible ruler, wooden, 2 m, aluminum spirit level, carpenter pencil, safety glasses UVEX, tool bag (280 × 360 × 230 mm)

Model	Weight	PU	No.
General purpose tools set 17 pieces	4.300 kg	1	1000001745

**ROCASE** system

# **ROCASE** case system

- Time saving on the construction site: Easily transport multiple cases at the same time due to one-click connection
- For robust use: made of durable ABS plastic
- Clever features: Foldable handle, shoulder strap and eyelet to lock the ROCASE
- Four different case sizes: perfectly matched to various ROTHENBERGER tools





Overview case system						
	ROCASE 4212	ROCASE 4407	ROCASE 4414	ROCASE 6414	ROCASE 6427	
		1111	THE PARTY OF THE P	D. D.	1	
	No. 1300003334	No. 1300005506	No. 1300003541	No. 1300003336	No. 1300003337	
Outer dimension	390 × 190 × 120 mm	390 × 190 × 70 mm	390 × 190 × 140 mm	590 × 390 × 140 mm	590 × 390 × 270 mm	
Inner dimension	377 × 150 × 100 mm	349×356×51 mm	348 × 352 × 122 mm	548 × 352 × 122 mm	548 × 352 × 250 mm	
Volume	5.71	6.31	14.91	23.51	48.21	
Weight	0.630 kg	1.200 kg	1.300 kg	1.890 kg	2.640 kg	
Color	red, anthracite	red	red, anthracite	red	red	
Quantity of inlays	7		16	6	3	



Model	Weight	PU	No.
ROCASE 4212 red, without inlay, 39 × 19 × 12 cm	0.630 kg	1	1300003334
ROCASE 4212 anthracite, without inlay, $39 \times 19 \times 12$ cm	0.634 kg	1	1300003649
ROCASE 4407 red, without inlay, 39 × 19 × 12 cm	1.200 kg	1	1300005506
ROCASE 4414 red, without inlay, 39 × 39 × 14 cm	1,554 kg	1	1300003541
ROCASE 4414 anthracite, without inlay, $39 \times 39 \times 14$ cm	1.303 kg	1	1300003338
ROCASE 6414 red, without inlay, 59 × 39 × 14 cm	1.890 kg	1	1300003336
ROCASE 6427 red, without inlay, 59 × 39 × 27 cm	2.640 kg	1	1300003337



# The ROCASE with a transparent lid is compatible with the other cases. In the inside of the case there is a structure to fix the ROBOXes

#### **Application Benefits**

 Optimisation of the daily work because items are perfectly organised into the case







Model	Weight	PU	No.
ROCASE 4407 with ROBOX	1.700 kg	1	1000002625

# **ROBOX**

The ROBOX system contains different box sizes that can be inserted into the ROCASE 4414. The ROBOX is made of robust ABS plastic and is held firmly in place in the ROCASE by a specially developed inlay







No. 1000002108



No. 1000002109

Model	Weight	PU	No.
ROBOX B2350 red	0.096 kg	1	1500002779
ROBOX B2350 192 × 114 × 50 mm	0.096 kg	1	1500002641
ROBOX B2650 364 × 114 × 50 mm	0.150 kg	1	1500002763
ROCASE 4414 with 2 inlays for ROBOX	2.100 kg	1	1000002012
ROCASE 4414 with 2 inlays and ROBOXES	3.695 kg	1	1000002108
ROBOX set for ROCASE 4414	1.000 kg	1	1000002109

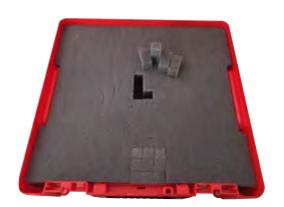
# **Foam inlay for ROCASE 4212**

The foam inlay is designed to be used in the **ROCASE 4212 to safely store other high quality** products for transportation



# Foam inlay for ROCASE 4414

The foam insert is designed for use in the ROCASE 4414 to safely store other high value products for transport



Model	Weight	PU	No.
Foam inlay for ROCASE 4212	0.100 kg	1	1500002449

Model	Weight	PU	No.
Foam inlay for ROCASE 4414	0.200 kg	1	1500002450

# **ROCASE** shoulder belt with logo



Model	Weight	PU	No.
ROCASE shoulder belt with logo	0.177 kg	1	1500002239



Model	Weight	PU	No.
ROCASE trolley 78 × 48.5 × 6 cm	7.000 kg	1	1000002628

## 14

# **ROBUCKET**

The ROBUCKET is a tool bucket for versatile use and can be fixed on ROCASE. To sort small parts, the ROBOX B2650 can be used in the upper section

The ROBUCKET is a tool bucket for versatile use on the worksite

#### **Application Benefits**

- · Wide handle allows comfortable transport
- ROBOX B2650 can be stored inside the bucketz to stow accessories
- Liter indicator inside the bucket
- Belt mount for shoulder straps



Model	Weight	PU	No.
ROBUCKET with ROBOX	1.600 kg	1	1000002627

#### Hand tool kit in ROCASE

Hand tool set in the ROCASE for common installation work in the SHK area

#### **Application Benefits**

• Wide and practice-oriented tool range

• Dimensions: 390 × 390 × 140 mm



#### Set (No. 1000001955) includes:

TUBE CUTTER 35 DURAMAG, ROCUT TC 42, ROGRIP M 7", 1K, ROGRIP M 10", 1K, ROGRIP XL, pipe wrench 1", uni stepped key set and ratchet, SWO, 8" adjustable wrench, EUROLINE screwdriver set, standard spirit level 430 mm, ROMATIC and ruler, shoulder belt with logo, in ROCASE completely

Model	Weight	PU	No.
Hand tool kit 4414 18 pieces	10.500 kg	1	1000001955



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# **Abbreviations**

Abbreviation	Description
A/S	Acetylene/Oxygen
ABS	Acrylonitrile Butadiene Styrene
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road
Ag	Silver
Al	Aluminium
AMS	Acetylen-Maxigas-Oxygen
AS	Anti-slip
B	Gasoline
BGV	Professional association regulations
BSPP	British Standard Pipe British Standard Pipe Parallel thread
BSPT	British Standard Pipe Taper thread
BSR	Band saw pipe
BSW	British Standard Whitworth
BTU	British Thermal Unit
CE	European conformity
CEN	European Committee for Standardization
CFC	Chlorofluorocarbon
CFM	Cubic feet per minute
CFT	Constant Force Technology
CL	Channel lock
CNC	Computer numerical control
Cu	Copper
DK	Pressure class
DN	Nominal diameter
DVGW	German Technical and Scientific Association for Gas and Water
DVS	German Welding Society
EAN	European Article Number
EPT	Enclosed Power Transmission
Fe	Iron
FS	Guide hose
G	Cylindrical threads according to ISO 228-1
GW	Gas/Water
HCFC	Hydrochlorofluorocarbon
HD	High pressure
HFC	Hydrofluorocarbon
НМ	Hard metal
HR	Hardness according to Rockwell
HSS	High-speed steel
Hz	Hertz
IP	Protection class against water and dust
ISO	International Organization for Standardization
kcal	Kilocalorie
KSO	Capillary gap optimization
L	Large
LCD	Liquid-crystal display
LED	Light-emitting diode
MIM	Metal injection molding
MPa	Megapascal
Ms	Brass
MLP	Multilayer composite pipe  Newton meter
Nm NPT	
PB	American National Standard Taper Pipe Thread Polybutylene
PD PD	Power Driver
PD-E	Power Driver Power Drive-Electronic
PE PE	Polyethylene
PEX	Cross-linked polyethylene
PL	Plastic
PP	Polypropylene
PS	Professional
PSI	Pound per square inch
PVC	Polyvinyl chloride
PVDF	Polyvinylidene fluoride
RC	Rodiacut
SAE	Society of Automotive Engineers
	, J

Abbreviation	Description
SD-Card	Secure digital memory card
SDR	Standard dimension ratio
SMK	Spiral with plastic core
SML	Super metallite delivery program
SP	Standard plier
SP	Special performance
SPK	Standard plastic plier
SS	Quick cut
SW	Spanner size
TC	Tube cutter
TFT	Thin-film transistor
TiN	Titanium nitride
TPI	Bits per inch
TRGI	Technical rule for gas installation
TRWI	Technical rules for drinking water installation
TÜV	Technical Inspection Association
UKS	Obital circular saw
UNC	Unified coarse threads
UNF	Unified fine threads
USB	Universal Serial Bus
VA steel	Corrosion resistant steel
VDE	Association for Electrical, Electronic and Information Technologies
PU	Packaging unit
WG	Hot gas
Zn	Zinc
ZPZ	Bits per inch
ZVSHK	Central Association for Sanitation, Heating and Air Conditioning

# **Pictograms**



AC 230 V



AC 115 V



AC 110 V



Three-phase current 400 V



Batterypowered



Can be used in confined spaces



Suitable for tight spaces



Light and compact



Basic soft soldering up to 450°C



Hot brazing 450-1,100°C



Max autogen welding 1,100°C



Fast cut



No deformation from use



Dry drilling



Wet drilling



Up to 50 % time-saving



Portable operation



360° rotatable



Ergonomic design



Meets DIN standards



Propane control



Oxygen control



Acetylene control



Shock absorption



Inspection window



Pressure hose length



Lock button



Bayonet coupling



Push lock



Thread lock



Pressure gauge display adjustable



Pressure gauge classe 1–6



Pressure gauge size



Counter display



Measuring accuracy up to X g



Scale range up to X kg



Economy



With USB connection



Touchscreen



WiFi



Piezo ignition



Fine adjustment of the flame



With video function



With photo function



Memory card



Cable length



Sturdy casing



Pressure hose ball valve



Transport case



ROCASE case system



RO SERVICE+ warranty services



Electric motor without carbon brushes



DURA LAZR TEC laser hardening process



Constant Force Technology





eTOOL (NFC tag)



One-handed operation



180° rotatable



App for Android and iOS

# General conditions for the sale of Goods

#### § 1 Scope

1. These General Terms and Conditions of Sale apply to all business relationships between ROTHENBERGER Werkzeuge GmbH, Industriestr. 7, 65779 Kelkheim, Germany ("we" or "us") with our customers ("Buyer" or "Purchaser"). The General Terms and Conditions of Sale (GTCs) shall only apply if the Buyer is a company, an entrepreneur, a legal person under public law or federal special funds (B2B business).

2. The GTCs apply, in particular, to contracts on the sale and/or delivery of movable items ("Goods") without consideration given to whether we manufacture the Goods or purchase these from suppliers (§§ 433, 651 BGB). Unless otherwise agreed, the GTCs in the version valid at the time of the Buyer's order or in any case in the version last notified to him in text form shall also apply as a framework agreement for similar future contracts, without us having to refer to them again in each individual case.

3. Our GTCs apply exclusively. Deviating, conflicting or supplementary general terms and conditions of the Buyer shall only become an integral part of the contract if and insofar as we have expressly agreed in writing to the validity of such conditions. In particular, no consent can be seen in the acceptance of the subject matter of the contract or the payment, even if the acceptance or payment is made with knowledge of conflicting or supplementary general terms and conditions of the Buyer. Similarly, any previously agreed general terms and conditions of the Buyer that conflict with or supplement these GTCs shall no longer be recognized.

4. Individual agreements entered into with the Buyer in individual cases (including subsidiary agreements, supplementary information and amendments) shall have preference over these GTCs. Subject to proof to the contrary, a written contract or our written confirmation shall be decisive for the content of such agreements.

#### § 2 Conclusion of contract

1. All offers are subject to change without notice. Catalogue and leaflet details are only approximate. Constructive changes are reserved. Technical documentation (e.g. drawings, plans, calculations, references to DIN standards) are not binding for us unless otherwise agreed in writing.

 The Buyer shall be bound by his pending order for 4 weeks after receipt by us. The contract of purchase shall be deemed entered into if the order has been accepted in text form within this period or the delivery has been performed.

3. Supplementary information, amendments and subsidiary agreements are subject to written confirmation by us.

#### $\S$ 3 Prices and terms of payment

 Unless otherwise agreed or stated, the prices apply EXW (INCOTERMS 2020), based on our respective location, excluding packaging, freight, postage, customs duties, surcharges and insurance etc. plus VAT. These costs shall be charged separately.

2. Insofar as the agreed prices are based on our list prices and the delivery takes place more than 2 months after conclusion of the contract, the list prices valid at the time of delivery shall apply.

3. For orders that do not exceed an order value of 250.00 € net, we charge a minimum quantity surcharge of 15.00 €.

4. For orders that are sent to an address that differs from the Buyer's address (so-called drop shipment), we charge a surcharge of 5.00 €.

5. Unless advance payment has been agreed, the payment of deliveries within the EU, EFTA and UK must be made within 30 days of the invoice date without deduction to one of our named accounts.

6. Payment for deliveries outside the EU, EFTA and UK shall be made exclusively by advance payment.

7. In the event of default in payment on the part of the Buyer, we shall at least be entitled to the statutory default interest. This does not affect additional claims for default, for example against merchants in respect of the commercial interest after the due date (§ 353 HGB), remain unaffected.

8. Except in cases of a fixed price agreement, the parties undertake, at the request of a party, to agree, based on good faith principles, on an appropriate price correction if, in the case of a contract with term of at least 12 months, at least three months after entering

into the contract order-related costs increase or drop for us, in a manner that is verifiable and significant (more than 5%) for reasons that are not our responsibility, e.g. as a result of increased raw material prices or energy costs.

9. In the event of default in payment on the part of the Buyer or in the case of reasonable doubt about the Buyer's creditworthiness (including facts that already applied at the time of entering into the contract) and which we were not aware of (or which we should have been aware of), we shall be entitled, prior to further performing the contract, to request advance payment for outstanding services or request the provision of security. Following the lapse in vain of a reasonable additional period for providing such securities, we shall be entitled (irrespective of further statutory rights) to withdraw from the contract.

10. Where the Buyer has authorized us to use SEPA direct debiting, such a direct transfer order collection shall normally be announced in advance in conjunction with the invoicing at the latest 1 (one) calendar day prior to the due date of the direct debit (pre-notification).

#### § 4 Setting off, right of retention

The Buyer may only have the right to offset if his counterclaims have become res judicata, are not disputed or have been recognized by us. The Buyer shall only be entitled to exercise a right of retention insofar as his counterclaim is based on the same contractual relationship.

# § 5 Scope of delivery, deviation from the order, procurement risk

1. Our written order confirmation is decisive for the scope of the delivery. Partial deliveries are permitted and shall be noted on the delivery note.

2. Where special tools or parts are ordered, and production based on a specific quantity is not economically possible, we shall be entitled to increase or decrease the order quantity in a manner that is customary in trade by up to 10%, at least however by two items. The actual delivery quantity shall be charged.

3. Where products can only be delivered in a certain packaging unit, we reserve the right to round up to the amount for the next higher quantity of packaging unit.

4. We do not accept any procurement risk for the Goods to be delivered.

5. The cost of dead freight that is the responsibility of the Buyer or his shipping agent shall be borne by the Buyer.

#### § 6 Delivery and performance time

1. Binding delivery times must be expressly agreed upon as such in writing. Other delivery time details that are not expressly agreed upon as binding are non-binding or approximate delivery time details, and we shall endeavour to honor these, but from which the Buyer cannot derive any claims for compensation.

2. If, in exceptional cases, binding delivery periods have been agreed, they run from the date on which we confirm an order but not, however, before all technical and commercial details of the order including delivery have been clarified and all the preconditions to be met by the Buyer have been met. Where the Buyer requests amendments after placing an order, and we consent to the amendment or if amendments become absolutely necessary for reasons for which we are not responsible, a new reasonable delivery period shall start to run.

3. The day of collection from us shall be deemed to be the day of delivery, but at the latest 2 days after notification of readiness for dispatch, the Goods shall be deemed to have been delivered. Deliveries prior to expiry of the agreed delivery time are permitted.

4. If events of force majeure (e. g. warlike events, terrorist attacks, natural disasters, nuclear accidents), labor disputes, official measures and other unforeseeable, unavoidable, serious events outside the scope of risk occur to us or the Buyer, the respective contractual party shall be released from its performance obligations for the duration of the disruption and to the extent of its effect. The occurrence of an event of force majeure shall be notified to the respective other party within 3 working days. If the hindrance lasts longer than 3 months, the respective other contracting party shall be entitled, after setting a reasonable grace period, to withdraw from the contract with regard to the part not yet fulfilled. Other rights of termination shall remain unaffected by this provision.

5. In the case of so-called call-off orders, we may request a binding classification two weeks after confirmation of order. If the Buyer fails to honor this request within three weeks, or if the Buyer defaults in acceptance, we shall be entitled to set an additional period of two weeks and once such a period has lapsed withdraw from the contract and claim for damages. Where not agreed to the contrary, as a matter of principle, deliveries ordered by way of a call-off are to be accepted within six months following confirmation of order.

6. Insofar as we are responsible for the failure to meet delivery dates that have been assured with binding force in exceptional cases, the Buyer shall be entitled to compensation of the proven damage sustained by the Buyer as a result of the default but, however, in terms of amount limited at most to 0.5% of the Goods value that is in default for each full week of the default and at most shall be entitled to 5% of the Goods value affected by the default. Compensation for further damage, in particular the loss of expected profit and other indirect damage, is excluded in accordance with Section 9 of these GTCs ("Limitation of Liability").

#### § 7 Dispatch and transfer of risk

1. Unless otherwise agreed or stated (e.g. for deliveries within Germany), all deliveries apply ex warehouse or ex works (see Section 3 of these GTCs), which is also deemed the place of performance for potential subsequent performance. As a result, the Buyer is responsible for transport/shipping and the risk of accidental loss or accidental deterioration shall pass to the Buyer upon handover to the carrier/the person otherwise determined in respect of performing the consignment. This also applies to drop shipments.

2. Similarly, the risk of accidental loss/accidental deterioration shall pass to the Buyer upon dispatch if we send the Goods to the Buyer at the Buyer's request. We reserve the right to select the transport route and the means of transport. We are entitled, but do not undertake, to insure deliveries in the name and on account of the Buyer.

The handover or acceptance shall continue to apply if the Buyer defaults in acceptance. In addition, in the event of default in acceptance we shall be entitled, but do not undertake, to store the Goods at the Buyer's cost and risk.

4. In the event of a delivery stop as a result of default in payment or acceptance, or for another reason that is the Buyer's responsibility, the risk of the accidental loss/accidental deterioration shall pass to the Buyer at the latest upon notification of the readiness to dispatch.

5. Goods for which notice of readiness for dispatch has been given must be called-off without delay. Otherwise, we shall be entitled to send the Goods at our discretion or store them at the Buyer's cost and risk.

6. If acceptance is proposed or agreed, this is to be performed swiftly, following notification of the readiness for dispatch, at our respective, stated, supply plant. If acceptance is not performed irrespective of the setting of a reasonable additional period, or the Buyer waives acceptance, we shall be entitled to send the Goods without acceptance or store them at the Buyer's cost and risk.

#### § 8 Warranty

1. The warranty period is 12 months from the transfer of risk. By contrast, the statutory period applies with respect to claims resulting from the German Product Liability Act or claims attributable to the loss of life, physical injury or detrimental effects on health. Wearand-tear parts are excluded from the guarantee. We shall not provide any quality guarantees where an individual agreement has not been entered into. Performing work under warranty does not constitute recognition or acceptance of a defect.

2. If the Buyer grants his customer a longer warranty period, this has no effect on the period according to paragraph 1 of this Section.

3. Returns that are not based on a faulty object of sale are not permitted. In the event that a return is permitted in an exceptional case as a result of an express, written agreement, a credit note shall only be issued by way of deducting at least 25% of the purchase price. All return delivery costs shall be borne by the Buyer.

4. In respect of the Buyer's warranty claims, it is required that the Buyer has honored his obligations to inspect and provide notification of defects. We are to be notified in text form of obvious defects within eight calendar days from delivery and notified of hidden de-



fects within the same period from the time at which they are identified. If the Buyer fails to properly inspect and/or provide notification of defects, our liability for the defect for which notification has not been provided, or has not been provided in good time, shall be excluded.

5. If the delivered item is faulty, we may choose whether to provide subsequent performance by way of rectifying the defect (subsequent improvement) or by delivering a fault-free items (replacement). Subsequent performance shall neither entail the dismantling of the faulty item nor new installation if we did not originally undertake to provide installation. The Buyer is to give us the necessary time and opportunity to provide the due subsequent performance, in particular handover the Goods for which notification of defects has been provided for inspection purposes. In the event of replacement, the Buyer is to return the faulty item to us. The limitation period does not begin to run again after subsequent performance.

6. If it becomes clear following an inspection that an item was not faulty, we may request compensation from the Buyer for the costs arising from the unjustified complaint (in particular inspection and transport costs) unless the Buyer could not recognize that the item was not faulty.

7. The Buyer's claims for compensation for loss suffered or reimbursement of expenses incurred in vain shall only apply, including in the case of defects, in accordance with Section 9 and in other respects are excluded.

8. The above limitation periods of the sales law also apply to the Buyer's contractual and non-contractual claims for damages that are based on faulty Goods unless application of the normal statutory limitation period (e.g. §§ 195, 199 BGB) would, in an individual case, result in a shorter limitation period.

#### § 9 Limitation of liability

1. Claims for compensation for loss suffered, irrespective of on which legal grounds these are based, are excluded unless we are to be accused of intent or gross negligence or of violating a key contractual obligation (see paragraph 2 of this Section) more than just insignificantly. Where we are liable for simple negligence, the liability shall be limited to compensation of foreseeable, typical and direct damage. Compensation for indirect or collateral damage such as the loss of expected profit, loss of production and use and pecuniary damage regarding third party claims is excluded.

2. Essential contractual obligations are a) obligations that protect the Buyer's essential contractual legal positions that are to be granted to him in accordance with the content and purpose of the contract and b) such contractual obligations, the honoring of which is required to properly execute the contract and compliance with which the Buyer can normally expect.

3. The aforementioned liability limitations also apply in the case of violations of obligations by, or in favor of, persons whose culpability is our responsibility in accordance with legal requirements. They do not apply if we have fraudulently concealed a defect, in the case of guaranteed provided in an exceptional case, to the Buyer's claims in accordance with the German Product Liability Act or as a result of loss of life, physical injury or detrimental effects on health.

#### § 10 Rental containers and pallets

1. If we make the ordered Goods available to the Buyer on Euro pallets or other re-usable packaging, these are to be replaced by the Buyer within 7 calendar days with replacement items of the same type and value, or are to be returned to us. If this does not occur, we shall be entitled to invoice the Buyer for the used pallets/packaging at the replacement price.

2. In the case of gas deliveries, rental containers or pallets shall only be handed over to the Buyer on a rental basis for the transport, storage and for the Buyer's own use of the acquired gasses. Any other use, or forwarding to third parties, is prohibited. After emptying, the Buyer is to return the containers and pallets to us without delay at his own cost.

3. The Buyer shall be liable for any damage, pollution or loss of rental containers or pallets, and in such cases undertakes to inform us without delay.

4. In respect of surrendered rental containers that are not contrasted with appropriate gas containers for longer than three months, we may request as security an amount in the sum of the respective list price of similar, new, containers. Such an amount falls due for payment immediately. As soon as the Buyer returns a container for which security has been provided, the security shall be returned to the Buyer without interest and less potential repair costs. If the Buyer fails to return the containers, the security amount shall be set off against the compensation for damages payable by the Buyer. Potential residual content in returned containers shall not be remunerated.

#### § 11 Product Discontinuations

We reserve the right to cancel products with 6 months'

#### § 12 Reservation of title

1. We reserve title to the supplied Goods up until all existing claims resulting from the business connection (current account reservation) against the Buyer have been settled in full. Processing/finishing or conversion shall apply at all times in our name and by our order for us, however without any obligation for us, and without loss of our ownership.

2. The parties agree that the reservation of title also applies as extended reservation of title. The Buyer is entitled to sell the Goods during the course of normal business activities. Other disposal is prohibited, in particular an agreement on assignment prohibition with customers is prohibited that could result in the loss of our ownership.

3. The Buyer assigns to us at this point in time any claims to which the Buyer is entitled resulting from the use of the reserved Goods. If the Goods are sold with external items, or used as a substance, the assignment only applies to the revenue part that corresponds to the joint ownership part.

4. The entitlement to resell the object of sale shall become inapplicable if the Buyer discontinues his payment or defaults in payment. In such cases, we shall be entitled to disclose the assignment and collect the claim. The Buyer is to notify us without delay if an application is filed for the institution of insolvency proceedings regarding his assets.

5. The Buyer is only entitled to collect assigned claims during the ordinary course of business activities. The Buyer is to provide notification of third party access to the reserved Goods without delay, and carry the cost of potential intervention. The Buyer is to insure the reserved Goods at replacement value and at its own cost, in particular against theft, water, breakage, fire and other damage. The Buyer is to treat the reserved Goods with due care, in particular comply with the proposed maintenance and use notices.

6. We undertake at the Buyer's request to release securities insofar as the realizable value of the security exceeds the claims that are to be secured by more than 10%. We are free to choose the securities that are to

7. In the event of non-payment of the due purchase price irrespective of a reasonable additional period or if this can be dispensed with, we shall be entitled, in accordance with the statutory requirements, to withdraw from the contract and/or demand return of the Goods as a result of the reservation of title. The demand for the return of the Goods does not simultaneously contain a statement of withdrawal. Moreover, we are entitled to merely demand the return of the Goods and reserve the right to withdraw.

8. For the duration of the reservation of title, in the event of the occurrence of damage we shall be entitled to all rights resulting from insurance policies entered into by the Buyer. In the absence of agreements to the contrary, benefits resulting from the comprehensive insurance are to be used in full for the repair of the delivery item. If a repair is waived following our approval in the case of severe damage, we shall use the insurance benefit to repay the purchase price and the cost of ancillary performance.

#### § 13 Resale and export restrictions

1. Subject to deviating individual agreements, the Goods purchased from us are only intended for use within the territorial scope of the legal framework existing at the place of delivery. The catalogued offer of a product as a country version for a specific country or territory is equivalent to an individual agreement in this respect.

2. The transfer of the Goods purchased from us to a country other than that of the place of delivery is prohibited if the transfer violates an existing and subsequent export ban. This applies in particular to legal export restrictions, war weapons control, boycotts, embargoes and US sanctions.

3. Failure to comply with the limitation of paragraph 2 of this Section constitutes a serious breach of contract which entitles us to withdraw from the contract or to terminate the contract and obliges the customer to compensate for all damages and disadvantages incur-

#### § 14 Applicable law, place of jurisdiction

1. The law of the Federal Republic of Germany applies to these General Terms and Conditions of Sale and the legal relations between us and the Buyer, by way of exclusion of international uniform law, in particular the UN Convention on Contracts for the International Sale of Goods (CISG) and the conflict of laws.

2. The place of business stated in paragraph 1 of this Section is deemed the exclusive, including the international, place of jurisdiction for all disputes resulting directly or indirectly from the contractual relationship. However, in all cases we are also entitled to bring legal action at the place of performance of the delivery obligation in accordance with these General Terms and Conditions of Sale or at the Buyer's general place of jurisdiction. This does not affect prior-ranking statutory requirements, in particular in respect of exclusive places of jurisdiction.

## § 15 Severability clause

In the event that individual provisions of these General Terms and Conditions of Sale are or become invalid, this shall not affect the validity of the other provisions. The parties undertake to replace the invalid provision with a legally valid regulation that comes closest to the economic objective of the invalid provision.

Date: June 2022

# Additional terms of delivery and payment for Germany

The following terms apply in addition to the general conditions for the sale of Goods (Pages 382–383):

Surcharges:

Solder material

Hazardous material €9.50 surcharge for dangerous Goods, per delivery The prices for solder material depend largely on the current silver and copper prices. Price surcharges due to increased raw material prices are reserved; please ask for

Route delivery

Minimum quantities For orders under €250.00 net surcharge of €15.00

the current prices. €5.00

#### Shipping / Shipping costs flat rate within Germany:

Shipping is carried out by us via transport carriers of our choice.

We charge a flat rate for this:

Goods value Surcharge Flat rates €12.00 net Up to €250.00 €15.00 Up to €399.99 € 12 00 net As of €400.00 free house

Payment of deliveries within EU, EFTA and UK: 30 days net from invoice date (no discount)

Payment of deliveries outside the EU, EFTA and UK:



# ROTHENBERGER

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