ROTHENBERGER
pipetool technologies at work

MAIN CATALOG 2025

Welcome to ROTHENBERGER!

ROTHENBERGER was founded in 1949 as a trading company for tools, machines, and welding technology. As early as 1967, ROTHENBERGER developed its 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 allowed plumbers to install drinking water and heating systems far more efficiently.

Today, ROTHENBERGER supports installers and air-conditioning and refrigeration (ACR) technicians worldwide with products that have been co-developed, tested, and refined by professional users.

Sculpture: ROTONDO; sculptor: Christian Hack

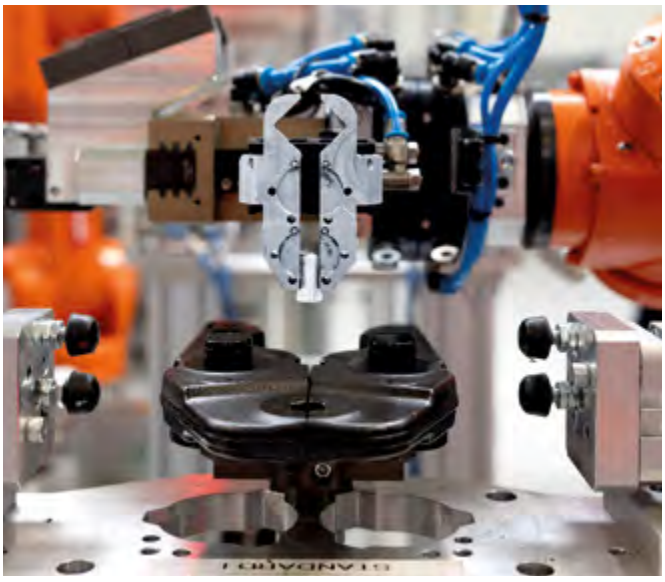
Focus on users

At ROTHENBERGER, we focus on professionals in the sanitary, air-conditioning, and refrigeration sectors. Day after day, they face challenges on construction sites and in service operations. They need tools they can rely on. That's why ROTHENBERGER manufactures tools and machines that are easy to use. Our products stand for premium quality and are driven by innovation. Customers all over the world value the reliability, durability, and technical excellence of ROTHENBERGER pipe tools. Your demands are our motivation—to get the job done. Every single day. Safely, quickly, and reliably.

Quality from the start

For more than 75 years, ROTHENBERGER has focused on customer satisfaction and success—from product development to production, quality control, and 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 utilize state-of-the-art technologies and processes to develop tools and machines, while maintaining a high level of in-house production—by professionals, for professionals!



Sustainability means responsibility

In times of climate change and energy crisis, environmental protection is a key responsibility for our society. ROTHENBERGER is taking action and is committed to becoming climate-neutral. Since 2020, we have been operating photovoltaic systems with monocrystalline solar cells on the roofs of all buildings at our site in Kelkheim (Taunus), Germany.

Sustainability is a core concern for ROTHENBERGER. That's why we focus on durable products, system solutions, and cross-manufacturer-compatible batteries. This approach conserves materials, reduces costs, and protects valuable resources. Another great example is our ROCASE case system, which enables safe tool storage and reduces packaging waste.

"Sustained by"

Every used tool whose product life cycle has been extended through repair or upgrade and is resold receives the "Sustained by" sticker.

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

CAS—Cordless Alliance System

ROTHENBERGER, as one of the founding members, has been offering a comprehensive range of CAS cordless tools since 2018. The range extends from sanitary installations to air-conditioning and refrigeration technology, and into the service area. The proven battery and charging technology is developed by Metabo and is fully compatible with CAS products from other manufacturers.

AMPShare—Powered by Bosch

ROTHENBERGER has been a founding member of the AMPShare battery platform since 2022. It is based on 18 V battery technology from Bosch. The batteries and chargers of this alliance are fully compatible with all AMPShare tools and machines from alliance partners, as well as with 18 V battery-powered tools from Bosch Professional. In the future, all ROTHENBERGER battery tools will be offered with an AMPShare interface.

ROTHENBERGER
BONUS
POINTS

Collect BONUS POINTS and benefit from rewards!

With ROTHENBERGER tools, you earn bonus points that can be redeemed for fantastic rewards. And the best part: our range of bonus point products is constantly expanding, so you'll always have a varied selection to choose from.

RO SERVICE+ for professionals: Always there for you!

Our maintenance and repair service ensures that your tools are quickly back in working order. On request, we'll pick them up, fix the problem, and deliver the tool directly to your construction site. Simply use our service portal—we're here to help:
rothenberger.com/roservice-portal

RO SERVICE+ only valid in participating countries.

TOP PRODUCT

Product details on page 122

ROMAX NANO: Small, slim, smart—the world's lightest 32 kN press machine!

The ROMAX NANO from ROTHENBERGER is the world's smallest and lightest 32 kN press machine for fittings made of metal, plastic and multilayer composite systems up to 110 mm.

The eDirectDrive and the 2-in-1 press jaw holder make it possible to use the particularly compact NANO iJAWS and standard jaws from the ROTHENBERGER R-System. Automatic force adjustment, app connectivity and CAS battery technology ensure safety and easy documentation.

Product details on page 136

NANO iJAW TECHNOLOGY

The NANO iJAW technology combines particularly compact and lightweight press jaws with intelligent functions.

Thanks to an integrated RFID chip, the NANO iJAWS communicate with the ROMAX NANO in real time. The automatic and optimised press force adjustment and the storage of the life cycle data of the press jaws increase the safety and efficiency of every pressing operation.

In addition, connectivity to the ROTHENBERGER app facilitates documentation and supports error-free tool availability by providing information on maintenance intervals.

TOP PRODUCT

Product details on page 86

ROBEND 4000 E: Independent, powerful, enduring— the modern way of bending!

The ROBEND 4000 E is the powerful and cordless bending machine for metal pipes with diameters from 12 to 35 mm.

Thanks to the tool-free presetting of the bending angle and an intelligent automatic switch-off function, precise and efficient bends with maximum repeat accuracy are guaranteed. Forged aluminium bending segments and the specially developed ROLUB bending shoe ensure crease-free quality bends of up to 180 degrees. Available in the manufacturer-independent battery systems AMPShare — Powered by Bosch and CAS — Cordless Alliance System.

TOP PRODUCT

Product details on page 33

ROCUT 26 MSR: Light, precise, safe— for best manual cutting

The ROCUT 26 MSR has been specially developed for multilayer composite pipes with an aluminium core and is suitable for pipes up to 26 mm in diameter.

The curved, ground steel blade enables precise, right-angled cuts with minimal deformation of the pipe. Thanks to the special blade, the cutting force required by the user remains low. A wide support prevents the pipe from tipping away and the rubberised handle ensures a secure grip. The transport lock holds the shears in place after use.

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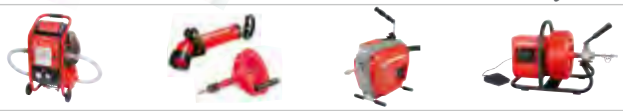
244	Flushing and pipe cleaning		11
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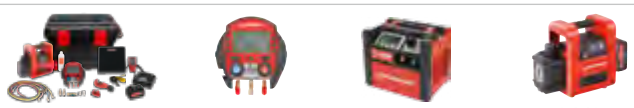
312	Air conditioning and refrigeration technology		13
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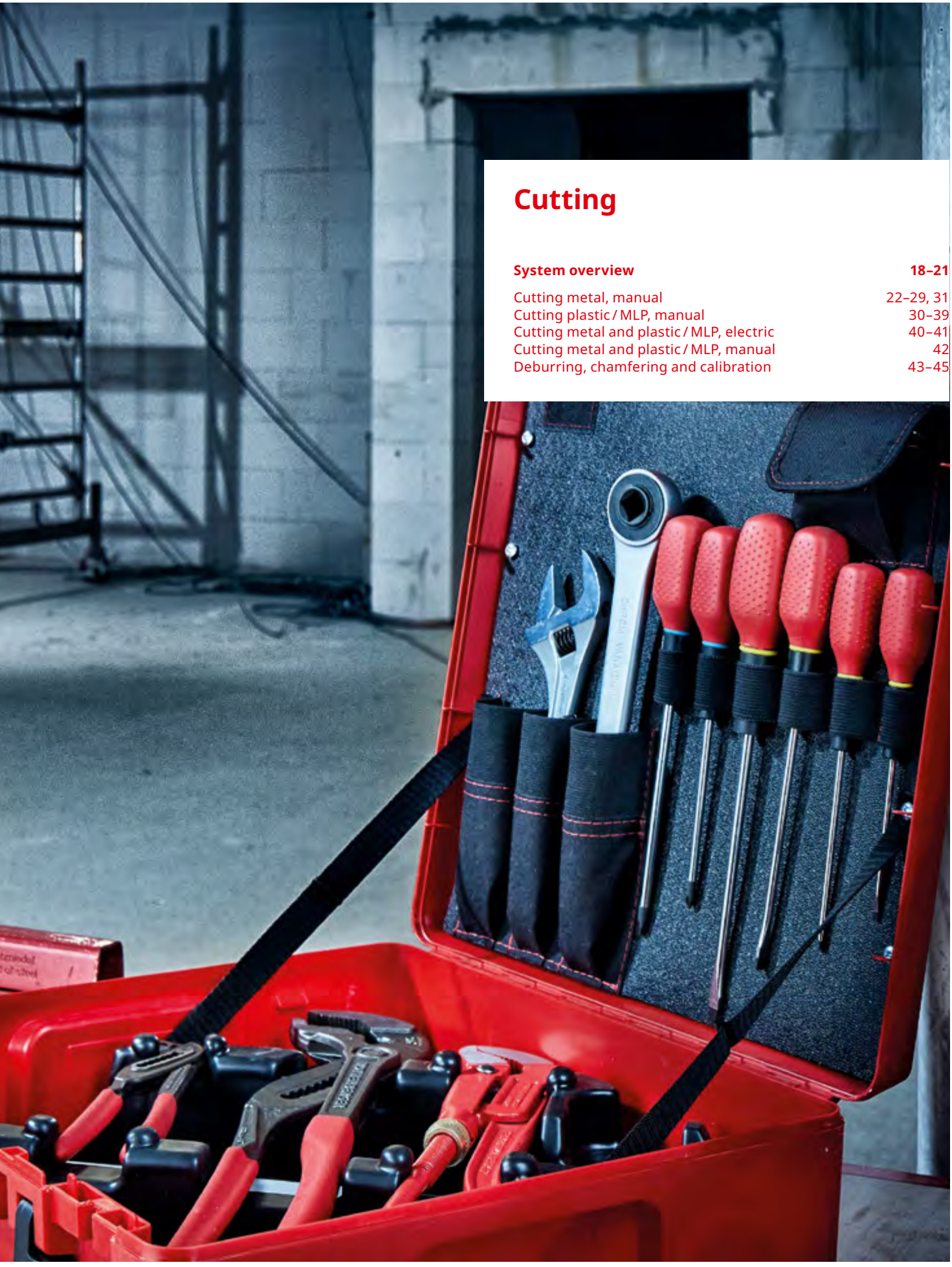

Cutting

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1

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
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″)
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
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	MINI MAX	TUBE CUTTER 30 PRO	TUBE CUTTER 50	Automatic pipe cutter
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″)
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
Page	26	26	26	27

Pipe cutters for metal

	ROSLICE	Chain pipe cutter	TUBE CUTTER 30 PRO INOX	TUBE CUTTER INOX
Working area	Ø 12–22 mm (1/2–7/8″)	Ø 20–100 mm (3/4–4″)	Ø 3–30 mm (1/8–1.1/4″)	Ø 6–60 mm (1/4–2.3/8″)
Suitable for	Cu	Cu, brass, Al, thin-walled steel pipes, plastic-coated pipes	Stainless steel	Stainless steel
Page	**27**	**28**	**28**	**28**

	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
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1

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
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″)
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[1]
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Electrical saw for different materials

	PIPECUT MINI
Working area	Ø 0–110 mm (0–4″)
Battery system	Li-Ion
System battery	CAS
Battery type	Li-HD
Suitable for	Copper, MLP, steel, cast iron
Page	**40**

1) Dependant on cutting tool

Pastic pipe shears/ MLP

	ROCUT 26 MSR	ROCUT TC 26	ROCUT TC 32	ROCUT 42 Twin Cut
Working area	Ø 0–26 mm (0–1″)	Ø 0–26 mm (0–1″)	Ø 0–32 mm (0–1.1/4″)	Ø 0–42 mm (0–1.5/8″)
Suitable for	PP, PE, PEX, PB, PVDF, MLP pipes	PP, PE, PEX, PB, PVDF pipes	PP, PE, PEX, PB, PVDF pipes	PP, PE, PEX, PB, PVDF pipes
Page	**33**	**34**	**34**	**35**

	ROCUT TC 42 Professional	ROCUT TC 50 Professional	ROCUT TC 63 Professional	ROCUT TC 75 Professional
Working area	Ø 0–42 mm (0–1.5/8″)	Ø 0–50 mm (0–2″)	Ø 0–63 mm (0–2.1/2″)	Ø 0–75 mm (0–3″)
Suitable for	PP, PE, PEX, PB, PVDF, MLP 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 PS 35	ROCUT PS 26/42
Working area	Ø 6–35 mm (1/4–1.3/8″)	Ø 6–42 mm (1/4–1.5/8″)
Suitable for	PP, PE, PEX, PB, PVDF, MLP pipes	PP, PE, PEX, PB, PVDF, MLP pipes
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TUBE CUTTER 35

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, thin-walled steel pipes.

DURAMAG
HI-Tec magnesium body

1

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: durable and extremely 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!

Two guide rollers with recess
Flanged cut

Exact guidance
Precise cut

Easy turning of the adjustment knob
Spare cutter wheel always within reach

Cutter wheel compartment
Spare cutting wheel always at hand

Always ready to hand
Retractable pipe inner deburrer

Constant, tight working radius of 123 mm

No. 070027DB

For copper and aluminium

TUBE CUTTER 35 DURAMAG (No. 70027)
TUBE CUTTER 42 PRO (No. 70029)

For MLP pipes

TUBE CUTTER 35 DURAMAG MSR (No. 70108)
TUBE CUTTER 42 PRO MSR (No. 70109

For stainless steel pipes

TUBE CUTTER 35 INOX, DURAMAG (No. 70055)
TUBE CUTTER 42 PRO INOX (No. 70070)

TUBE CUTTER 35, DURAMAG

Pipe cutter for the precise cutting of pipes Ø 6–35 mm (1/4–1.3/8″)

For cutting 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

TUBE CUTTER 35 INOX, DURAMAG

Pipe cutter for the precise cutting of pipes Ø 6–35 mm (1/4–1.3/8″)

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

INOX

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

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.

Scope of delivery: TUBE CUTTER 35, Ø 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 with cutting wheels

Pipe cutter for cutting stainless steel pipes with matching cutting wheels

TUBE CUTTER 35 INOX for cutting stainless steel pipes.

INOX

Scope of delivery: TUBE CUTTER 35 INOX, Ø 6–35 mm, DURAMA (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

1

TUBE CUTTER 42 PRO

Pipe cutter for the precise cutting of pipes Ø 6–42 mm (1/4–1.5/8″)

For cutting 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

Pipe cutter for the precise cutting of stainless steel pipes Ø 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

INOX

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

Pipe cutter for the precise cutting of pipes Ø 6–42 mm (1/4–1.5/8″)

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

Application benefits

- The wide pipe support means that the pipe can be fixed well in place and cutting to length is quick and easy
- New cutter wheel: 20 × more cuts[1]
- 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

1) Stainless steel compared to TUBE CUTTER 42 Pro

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

Casing made in one cast

Stable and long-lasting

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

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

Casing made in one cast

Stable and long-lasting

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 I PRO / II PRO

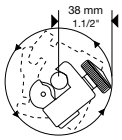
Copper pipe cutter Ø 3–22 mm (1/8–7/8″)

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!



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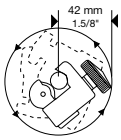


No. 70402

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

MINICUT 2000

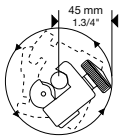
Copper pipe cutter Ø 3–22 mm (1/8–7/8″)

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

No. 70105



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

No. 70030

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″)

For cutting copper pipes.

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

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

Pipe cutting possible near the wall

1

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 (3/4–4″)	0.570 kg	1	70285
Spare cutter wheel chain, 20–100 mm (3/4–4″)	0.180 kg	1	70286

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″)

For cutting stainless steel and thin-walled steel pipes.

Application benefits

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

INOX

Model	Weight	PU	No.
TUBE CUTTER 30 PRO INOX, 3–30 mm (1/8–1.1/4″)	0.305 kg	1	71085
Spare axle	0.005 kg	1	70041
Spare cutter wheel, 5 pcs.	0.020 kg	1	070056D

TUBE CUTTER INOX

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

For cutting stainless steel pipes.

Application benefits

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

12 × ball bearings!

INOX

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 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 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″)

For cutting steel pipes.

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

Handle (included in delivery)

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

INOX

Precise cutting of stainless steel pipes

Model	Weight	No.
SUPER, 10–42 mm (1/4–1.5/8″)	1.040 kg	70040
SUPER, 10–60 mm (1/4–2″)	2.155 kg	70045
Spare cutter wheel, 10–42 mm (3/8–1.5/8″), 3 pcs.	0.050 kg	070046D
Spare axle, 10–42 mm (1/4–1.5/8″)	0.005 kg	701011500
Spare cutter wheel, 10–60 mm (1/4–2″), 3 pcs.	0.020 kg	070051D
Spare axle, 10–60 mm (1/4–2″)	0.005 kg	70053

Model	Weight	No.
SUPER INOX, 10–42 mm (3/8–1.5/8″)	1.140 kg	70086
SUPER INOX, 10–60 mm (3/8–2.3/8″)	2.155 kg	70087
Spare cutter wheel, 10–42 mm (3/8–1.5/8″), 2 pcs.	0.020 kg	070088D
Spare axle, 10–42 mm (3/8–1.5/8″)	0.005 kg	701011500
Spare cutter wheel, 10–60 mm (3/8–2.3/8″), 2 pcs.	0.020 kg	070089D
Spare axle, 10–60 mm (3/8–2.3/8″)	0.005 kg	70053

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

Pipe cutter for the precise cutting of pipes Ø 6–42 mm (1/4–1.5/8″)

TUBE CUTTER 35 MSR and 42 PRO MSR for multilayer 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

Technical data

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″)

No. 70108

Model	Weight	PU	No.
TUBE CUTTER 35 MSR, 6–35 mm (1/4–1.3/8″), DURAMAG	0.255 kg	4	70108
TUBE CUTTER 35 MSR, 6–35 mm (1/4–1.3/8″), DURAMAG	0.550 kg	1	70109
TUBE CUTTER 35 MSR, 6–35 mm (1/4–1.3/8″), DURAMAG	0.550 kg	4	70072

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

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

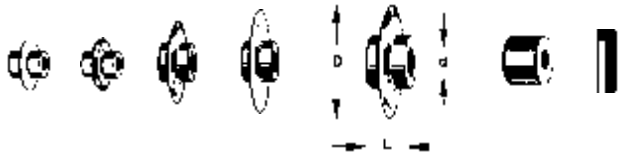
Removable internal pipe deburrer

No. 70033

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 high-alloyed 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), brass pipe (Ms), aluminium pipe (Al), thin-walled steel pipe (Fe), PVC hard plastic pipe, plastic-coated pipe
MINICUT II PRO	6–22 mm	70402	070017D	4.8 / 5.9 / 18.5	3.0	70041	4.7 / 14 / M3	70023	—	
MINICUT 2000	3–22 mm	70105	070017D	4.8 / 5.9 / 18.5	3.0	70041	4.7 / 14 / M3	—	—	
MINIMAX	3–28 mm	70015	070017D	4.8 / 5.9 / 18.5	3.0	70041	4.7 / 14 / M3	—	—	
TUBE CUTTER 30 PRO	3–30 mm	71019	070017D	4.8 / 5.9 / 18.5	3.0	70041	4.7 / 14 / M3	70067	—	Copper pipe (Cu), brass pipe (Ms), aluminium pipe (Al), thin-walled steel pipe (Fe), PVC hard plastic pipe, plastic-coated pipe
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	
TUBE CUTTER 42 PRO	6–42 mm	70029	070017D	4.8 / 5.9 / 18.5	3.0	70041	4.7 / 14 / M3	70067	21652	
TUBE CUTTER 35 MSR	6–35 mm	70108	070188D	4.8 / 5.9 / 19.3	4.0	70041	4.7 / 14 / M3	70067	21652	
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	—	—	Multilayered 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 XL	3–42 mm	1000001748	070056D	4.8 / 9.8 / 18.5	5.5	70041	4.7 / 14 / M3	1300003578	21652	Br, SS, 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
TUBE CUTTER CSST	8–42 mm	1000001747	1000002077	4.8 / 9.5 / 24	0.5	1300003575 1300003574	4.7 / 39.3 / M3	1300003573	—	INOX corrugated pipes
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

Two diameters

One tool for two diameters

Cassette for spare blade

Practical storage for replacement cutting sheets

Hinge

Easy to set up on the pipe

Cutting blade

Optimally placed for straight cut

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 26 MSR

Plastic pipe shears

The ROCUT 26 MSR is suitable for cutting multilayer composite and plastic pipes with a diameter of 0–26 mm (0–1″).

Application benefits

- Especially suitable for multilayer composite pipes with an aluminum core, it can also cut all standard plastic pipes up to a diameter of 26 mm.
- The curved steel blade enables an exact, right-angled cut and minimizes deformation of the pipe
- Wide pipe support: the pipe cannot tilt and can be cut precisely and straight
- Rubberized handle: for a secure grip without slipping during work
- Transport lock: the pliers legs can be locked in the transport position after use

Technical data

Working area	Ø 0–26 mm (0–1″)
Suitable for	PP, PE, PEX, PB, PVDF, MLP pipes

Rubberised handle
No slipping during work

Blade
The blade can be changed in just a few simple steps

Geometry of the blade
Ensures a straight cut and reduces post-processing time

Aluminum housing
Durable and robust material ensures a long service life

Ground steel blade
Reduces the cutting force and makes work easier

broad seating for pipe
Fixes the pipe so that a straight cut can be made

Lockable lever
Blade can be transported protected in the housing

Large pipe support

Curved steel blade

Enables a straight and right-angled cut

Model	Weight	PU	No.
ROCUT 26 MSR, 0–26mm (0–1″)	0.335 kg	1	1000004324

ROCUT TC 26

Manual plastic pipe shears 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 shears arms can be locked after cutting

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

ROCUT TC 32 Standard

Manual plastic pipe shears 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 shears 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 PS 35

Manual plastic pipe shears 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 shears arms can be locked after cutting

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

ROCUT 26/42 S

Manual plastic pipe shears 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 shears arms can be locked after cutting

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

ROCUT 42 Twin Cut

Shears for cutting all common plastic pipes with a diameter of 0–42 mm (0–1.5/8″)

Application benefits

- Two function in one shear: one cut and ratchet cut function.
- With the one cut function pipes can be cut 80 % faster. You also save time since little calibration is needed.
- Ratchet cut function: if the pipe dimension is too large or the material too thick for a one cut, the shears automatically switches into the ratchet mode
- The quick adjustment of the blade moves directly to the pipe and saves time at work
- Cutting requires 20 % less effort due to the PTFE coated blade.

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.[1]

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

1) Internally tested. In comparison to the previous ROCUT TC 42 with a 16 mm pipe.

ROCUT TC 42 Professional

Shears for cutting all common plastic pipes with a diameter of Ø 0–42 mm (0–1.5/8″)

Application benefits

- Low effort required for cutting
- Precise right-angled cut
- Precise point cut without deformation
- Precise power transmission and force-guided cutting feed
- Automatic, controlled opening of the blade at the touch of a button
- Secure grip thanks to rubberized handle
- Locking of the pliers legs in transport position

Technical data

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

Rostfreie Stahlklinge mit V-Schliff

Ideal verzahnte Schneidkurve

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

ROCUT TC 50 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
- Shears 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

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

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 shears 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

No. 55006

No. 52041

No. 52042

No. 52011

No. 52031

No. 52016

No. 1000003104

No. 1000004800

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 TC 32, 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	1	52016
Spare blade for ROCUT 42 Twin Cut, 0–42 mm (0–1.5/8″)	0.120 kg	1	1000003104
Spare blade for ROCUT 26 MSR, 0–26 mm (0–1″)	0.020 kg	1	1000004800

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 × 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 × 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 Ø 32–110 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

For holding clamping jaws Ø 110–140 mm. The bare tool is equipped without internal deburrer, but with standard cutting steel shank with automatic copying and carbide cutting steel.

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.

Technical data

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

No. 54960

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

With automatic copying

Cutter wheels

ROCUT 110 and ROCUT 160

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

Technical data

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

No. 54950

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. 055053D

No. 055054D

No. 055074D

PIPECUT MINI

Cordless combi-pipe saw New way of cutting: precise, versatile, independent

For new installations and maintenance in the HVAC and industry sector.

Application benefits

- For cutting copper, plastic, multilayer composite, carbon steel, cast iron and stainless steel pipes up to a pipe diameter of 110 mm
- Mounting rails or threaded rods can be cut quickly and easily
- The PIPECUT MINI is multifunctional and can be converted into a hand-held, plunge-cut or cross-cut rail saw
- Three new, high-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

Up to 140 cuts with just one battery charge (18 V / 4.0 Ah, C-steel Ø 42 mm)

Brushless Motor

For wear-free work and longer machine life

Three new high quality saw blades

For a precise cutting performance

Convertable guide rail

For using the PIPECUT MINI as circular saw, plunge saw or cross-cutting saw

Additional hiqh quality, fire-resistent bag

For absorving shaving

Extra contact surface with ball bearing

For rotating and for cutting pipes over Ø 42 and up to 110 mm

Additional notch

For cutting threaded bolts

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

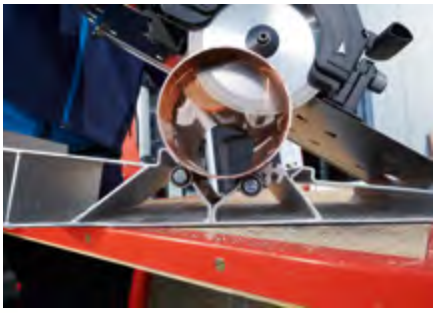
Transform the PIPECUT MINI into a circular saw, into a plunge saw or into a cross-cutting saw.

Clamp function enables fastest cutting performance for different materials.

RO SERVICE+ only valid in participating countries.

PIPECUT MINI sets

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



KSS Führungsschiene (No. 1500003694) zum Schneiden von Platten optional erhältlich

No. 1500003694

No. 1000003165

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

1

ROBO SUPER

Application benefits

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

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

ROBO MINI

Application benefits

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

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

Metal saw arch

Application benefits

- Solid design with robust handle
- With cross-slotted squared clamping elements
- Reliable captive blade holding pin
- Firm wooden handle

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

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

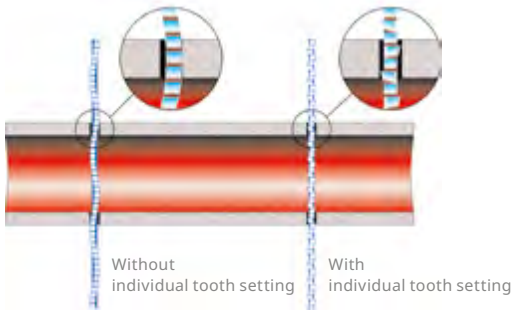
Hand saw blade HSSE 4 PLUS

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



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.

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

Universal HSS Bi-Metall / HM Tiger saw blade

Universal saw blade for cutting various pipe profiles and materials

For cutting various pipe profiles and materials.

Application benefits

- Versatile use: For 1/2″ universal attachment, also suitable for Flex, Bosch, B&D, Skil, Hitachi, Makita, Ridgid, Roller and Rems

Model	Weight	PU	No.
150 × 20 × 1.06 mm, 24TPI, R1524S, 5 pcs.	0.085 kg	1	865784
150 × 20 × 1.4 mm, 13TPI, R15118S, 5 pcs.	0.085 kg	1	865785
150 × 20 × 1.8 mm, 14TPI, R1514S, 5 pcs.	0.085 kg	1	865786
200 × 20 × 1.4 mm, 16TPI, R2018S, 5 pcs.	0.115 kg	1	865787
200 × 20 × 1.8 mm, 14TPI, R2014S, 5 pcs.	0.115 kg	1	865788
300 × 20 × 2.6 mm, 10–14TPI, R301014S, 5 pcs.	0.175 kg	1	865789
225 × 20 × 1.25 mm, 0TPI, S1130RF, 5 pcs.	0.185 kg	1	865793

No. 865784
No. 865785
No. 865786
No. 865787
No. 865788
No. 865789
No. 865793

Universal Internal and External Deburrer

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

Application benefits

- Time saving: Inner and outer deburring allows you to work more efficiently when installing pipes
- Energy saving: Ergonomic design ensures accurate and burr-free deburring without much effort

Model	Weight	PU	No.
Internal and External Deburrer Cu, MPL, 4–36 mm (1/8–1.3/8″)	0.030 kg	1	11006
Internal and External Deburrer, 6–35 mm (1/4–1.3/8″)	0.100 kg	1	1500000237
Internal and External Deburrer INOX, 10–54 mm (3/8–2″)	0.390 kg	1	1500000236

No. 11006
No. 1500000237
No. 1500000236

Deburring adapter

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

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

Application benefits

- User-friendly solution for deburring pipes internal and external
- Saves time
- Precise deburring without effort

Drive shaft

For the deburring with portable screwdriver or drill

Model	Weight	PU	No.
Deburrer adaptor I for 1500000237	0.160 kg	1	11044
Deburrer adaptor II for 1500000236	0.280 kg	1	11045

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

ROCALIBER

ROCALIBER with its working range of 16–63 mm, is ideal for precise and work-efficient calibrating and deburring.

ROCALIBER L: Covers the most important pipe diameters in the 40 × 3.5 / 50 × 4/63 × 4.5 mm application range

ROCALIBER S: Covers the most important pipe diameters in the application range 16 × 2 / 20 × 2 / 26 × 3 (25 × 2.5) / 32 × 3 mm

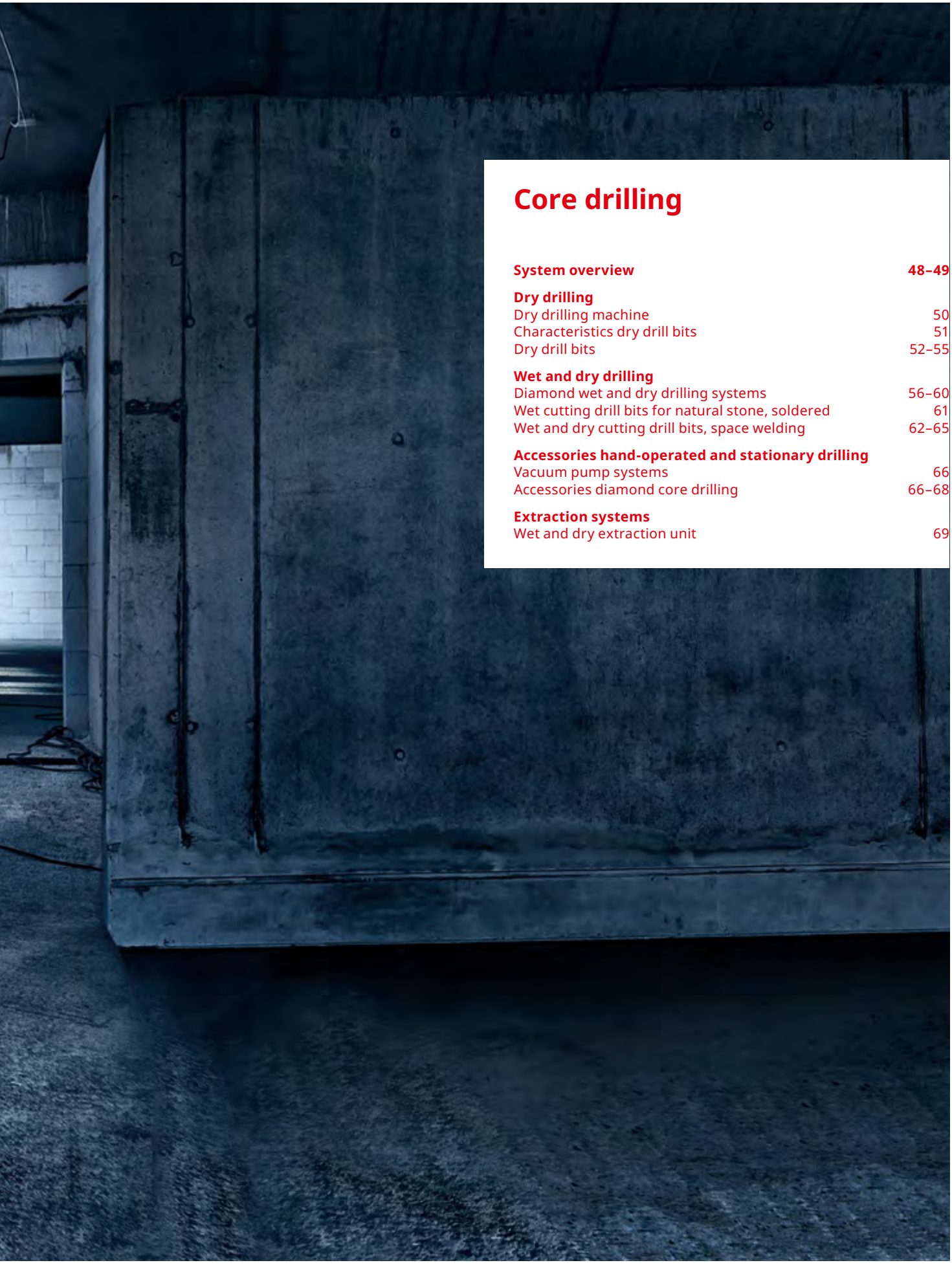
Application benefits

- The integrated ratchet function from ROTHENBERGER (RO-Ratchet) guarantees convenient and safe processing of plastic pipes in all positions
- Covers the most important pipe diameters
- Fits comfortably in the hand thanks to the T-handle
- Dual function: calibrating and deburring (inside) in one tool
- Special material treatment of the cutting edges increases the wear resistance of the ROCALIBER while maintaining constant precision

ROCALIBER L

ROCALIBER S

Model	Weight	PU	No.
ROCALIBER L	0.443 kg	1	1000004583
ROCALIBER S	0.273 kg	1	1000004482



Core drilling

System overview **48–49**

Dry drilling
Dry drilling machine 50
Characteristics dry drill bits 51
Dry drill bits 52–55

Wet and dry drilling
Diamond wet and dry drilling systems 56–60
Wet cutting drill bits for natural stone, soldered 61
Wet and dry cutting drill bits, space welding 62–65

Accessories hand-operated and stationary drilling
Vacuum pump systems 66
Accessories diamond core drilling 66–68

Extraction systems
Wet and dry extraction unit 69

Drill motors

	RODIADRILL 1800 Dry	RODIADRILL 160	RODIADRILL 200	RODIADRILL 500
Stationary drilling: Concrete	Ø 32–202 mm	Ø 10–132 mm	Ø 10–200 mm	Ø 32–400 (500) mm*
Stationary drilling: Masonry	Ø 32–202 mm	Ø 32–162 mm	Ø 32–225 mm	Ø 32–400 (500) mm*
Hand-operated drilling: Concrete	Ø 32–92 mm	Ø 10–82 mm	Ø 10–82 mm	○
Hand-operated drilling: Masonry	Ø 32–92 mm	Ø 32–162 mm	Ø 32–250 mm	○
Power	1,800 W	1,400 W	2,200 W	3,000 W
Speed transmission	1-gear	2-gear	3-gear	3-gear
Nominal speed	1,800 rpm	500 / 1,050 rpm	600 / 1,250 / 3,200 rpm	215 / 430 / 785 rpm
Torque	20 Nm	55 / 27 Nm	71 / 34 / 17 Nm	185 / 107 / 55 Nm
Weight	5.500 kg	6.700 kg	7.200 kg	12.100 kg
Page	**50**	**57**	**57**	**59**

Drill bits

	DX High Speed Dry	High Speed Plus natural stone	DX High Speed Plus	SPEED STAR DX
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 1.1/4″ UNC, 430 mm	G 1/2″, 400 mm 1.1/4″ UNC, 430 mm
Application	dry	wet	wet and dry	wet and dry
Tiles	✓	✓✓✓	✓	✓✓
Granite	✓	✓✓✓	✓	✓✓
Marble	✓	✓✓✓	✓	✓✓
Brick	✓✓✓	✓✓	✓✓✓ ✓	✓✓✓ ✓
Masonry	✓✓✓	✓	✓✓✓ ✓	✓✓ ✓
Lime-sand brick	✓✓✓	✓	✓✓✓ ✓	✓✓ ✓
Asphalt	✓✓✓	✓✓	✓✓✓ ✓	✓✓✓ ✓
Screed	✓✓✓	✓✓	✓✓✓	✓✓
Concrete	✓✓✓	✓✓✓	✓✓✓	✓✓
Reinforced concrete	✓✓✓	✓✓✓	✓✓	✓✓✓
Page	**52**	**61**	**62**	**64**

* Drilling range with distance plate expandable up to 500 mm

✓✓✓ = Ideally suited for dry drilling
✓✓ = Very suitable dry drilling
✓ = Suitable for dry drilling

✓✓✓ = Ideally suited for wet drilling
✓✓ = Very suitable wet drilling
✓ = Suitable for wet drilling

Drill systems

	RODIACUT 150 RODIADRILL 160	RODIACUT 150 RODIADRILL 200	RODIACUT 250 RODIADRILL 200
Stationary drilling: Concrete	Ø 10–132 mm	Ø 10–152 mm	Ø 10–200 mm
Stationary drilling: Masonry	Ø 10–152 mm	Ø 10–152 mm	Ø 32–225 mm
Hand-operated drilling: Concrete	Ø 10–82 mm	Ø 10–82 mm	Ø 10–82 mm
Hand-operated drilling: Masonry	Ø 32–162 mm	Ø 32–250 mm	Ø 32–250 mm
Power	1,400 W	2,200 W	2,200 W
Speed transmission	2-gear	3-gear	3-gear
Nominal speed	500 / 1,050 rpm	600 / 1,250 / 3,200 rpm	600 / 1,250 / 3,200 rpm
Torque	55 / 27 Nm	71 / 34 / 17 Nm	71 / 34 / 17 Nm
Weight	16.700 kg	17.200 kg	25.200 kg
Page	**56**	**56**	**58**

Drill systems

	RODIACUT 250 RODIADRILL 500	RODIACUT 400 PRO RODIADRILL 500
Stationary drilling: Concrete	Ø 32–250 mm	Ø 32–400 (500) mm*
Stationary drilling: Masonry	Ø 32–250 mm	Ø 32–400 (500) mm*
Hand-operated drilling: Concrete	○	○
Hand-operated drilling: Masonry	○	○
Power	3,000 W	3,000 W
Speed transmission	3-gear	3-gear
Nominal speed	215 / 430 / 785 rpm	215 / 430 / 785 rpm
Torque	185 / 107 / 55 Nm	185 / 107 / 55 Nm
Weight	30.100 kg	39.800 kg
Page	**58**	**60**

2) Drilling range with distance plate expandable up to 500 mm

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
Drilling range	32–202 mm

Electronic slipping clutch with 20 Nm torque

Safe application with automatic switch-off

Electronic soft start with overload indicator

Safety for user and machine

Integrated dust extraction

Improved drilling results

POWER PLUS Technology

23,000 soft strokes per minute ensure efficient drilling

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

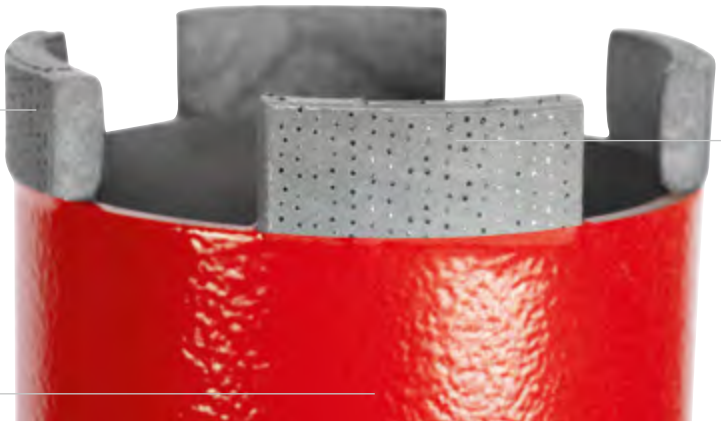
Dry drill bits: DX High Speed Dry

Uncomplicated and universally applicable

- Dry drilling causes less dirt
- 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 mm
  Diameter 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 52

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

Description	Page	No.
Drill Motor RODIADRILL 1800 DRY	50	FF40185
RODIA DW CLEANER M	69	1000003978

DX High Speed Dry

Dry drill bits with 3D-Diamatrix segments

Application benefits

- 3D diamond matrix: Three-dimensional positioning of the diamonds for a cutting-friendly and long-lasting life
- 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

Segment height: 10 mm

High cutting performance and long service life

Overwound drill bits

Balanced rotation reduces wear

1.1/4″ UNC and 1/2″ threaded adaptor

Suitable for all other ROTHENBERGER drill motors

3D-Diamatrix

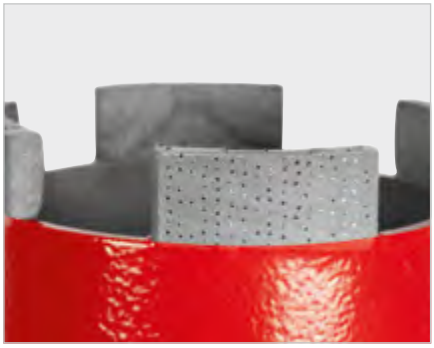
The diamonds of the drill bit are three-dimensional and symmetrically arranged

Air vents

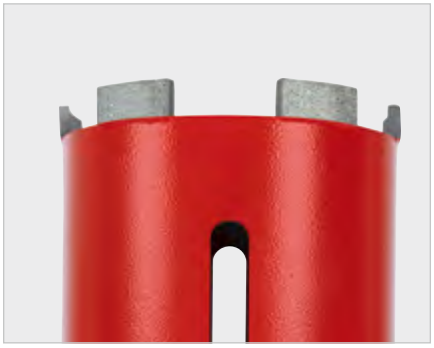
Remove drilling dust and provide cooling

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

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

- The drilling angle can be set between 0° and +45°, adjustable in 15° steps
- 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	max. 132 mm
Drilling area masonry	max. 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

- The drilling angle can be set between 0° and +45°, adjustable in 15° steps
- 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	2,700 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!

Model	Weight	PU	No.
RODIACUT 150 / RODIADRILL 200	16.900 kg	1	FF34160
RODIACUT 150	9.700 kg	1	FF30150
RODIADRILL 200	7.200 kg	1	FF40220

RO SERVICE+ only valid in participating countries.

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

Technical data

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

Model	Weight	PU	No.
RODIADRILL 160	6.800 kg	1	FF40165

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

Model	Weight	PU	No.
RODIADRILL 200	7.200 kg	1	FF40220

No. 1000003978

No. FF35028

No. FF35700

No. FF35200

No. FF40056

SPEED STAR DX

DX High Speed Plus

Accessories	Page	No.
Pressurized water container 10 l	67	FF35028
Vacuum pump RODIA-VAC	66	FF35200
RODIA DW CLEANER M	69	1000003978

Accessories	Page	No.
Water collecting ring, stationary	68	FF35700
Drill bits	61–65	

RO SERVICE+ only valid in participating countries.

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

- The drilling angle can be set between 0° and +45°, adjustable in 15° steps
- 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

2 applications with one device!

Application benefits

- The drilling angle can be set between 0° and +45°, adjustable in 15° steps
- 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

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

RO SERVICE+ only valid in participating countries.

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

Model	Weight	PU	No.
RODIADRILL 200	7.200 kg	1	FF40220

Technical data

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

RODIADRILL 500

Drill motor

RODIADRILL 500
Ø 32–400 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 PRCD switch
- 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

Technical data

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

No. 1000003978

No. FF35028

No. FF35700

No. FF35200

No. FF40056

SPEED STAR DX

DX High Speed Plus

Accessories	Page	No.
Pressurized water container 10 l	67	FF35028
Vacuum pump RODIA-VAC	66	FF35200
RODIA DW CLEANER M	69	1000003978

Accessories	Page	No.
Water collecting ring, stationary	68	FF35700
Drill bits	61–65	

RO SERVICE+ only valid in participating countries.

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

RO SERVICE+ 230 V

Application benefits

- The drilling angle can be set between -15° and +45° in 2.5° steps adjustable
- Exchangeable guide rail

2

2 applications with one device!

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

Distance plate optional (No. FF35136)
To enlarge the drill hole diameter from Ø 400 to 500 mm with RODIACUT 400 PRO

Rubber transport wheels
Quick and easy transport on the building site

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

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

No. FF35029

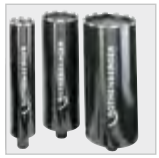
No. FF35028

No. FF35190

No. FF35120

Extensions

SPEED STAR DX


DX High Speed Plus

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	

RO SERVICE+ only valid in participating countries.

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[1]	4–6

1) Single segment mounting from Ø 45 mm

9 mm high segments with high diamond concentration

Extremely easy cutting, very long service life in granite tiles

Overwound drill bits

Balanced rotation reduces wear

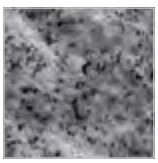
Threaded adaptor G 1/2″

Suitable for all other ROTHENBERGER drilling machines

Reinf. concrete

Marble

Granite

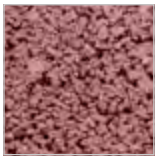


Green granite

Hollow brickwork

Masonry

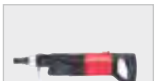
Aerated concrete



Asphalt

Suitable for

RD 160



RD 200

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

Model	Weight	PU	Adaptor G 1/2″ No.
High Speed Plus natural stone G1/2″, D = 22 mm, NL = 125 mm	0.220 kg	1	FF44822
High Speed Plus natural stone G1/2″, D = 24 mm, NL = 125 mm	0.220 kg	1	FF44824
High Speed Plus natural stone G1/2″, D = 30 mm, NL = 125 mm	0.250 kg	1	FF44830
High Speed Plus natural stone G1/2″, D = 35 mm, NL = 125 mm	0.290 kg	1	FF44835
High Speed Plus natural stone G1/2″, D = 40 mm, NL = 125 mm	0.340 kg	1	FF44840
High Speed Plus natural stone G1/2″, D = 50 mm, NL = 125 mm	0.600 kg	1	FF44850
High Speed Plus natural stone G1/2″, D = 55 mm, NL = 125 mm	0.570 kg	1	FF44855
High Speed Plus natural stone G1/2″, D = 60 mm, NL = 125 mm	0.720 kg	1	FF44860
High Speed Plus natural stone G1/2″, D = 67 mm, NL = 125 mm	0.790 kg	1	FF44867

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	○
Ø 30–62 mm	○	1–6
Ø 42–62 mm	4–6	○
Ø 72–92 mm	7–8	7–8
Ø 102–152 mm	8–11	9–12
Ø 162–182 mm	○	12–14
Ø 200–300 mm	○	14–20

Suitable for

RD 160 [1]

RD 200 [1]

RD 500 [1]

[1] When used as a dry drill, we recommend: RODIA DW CLEANER M (No. 1000003978)

Threaded adaptor G 1/2″ and 1.1/4″ UNC
Suitable for all other ROTHENBERGER drilling machines

Space welding
Allows wet and dry use

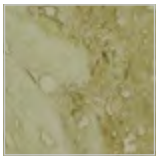
Overwound drill bits
Balanced rotation reduces wear

Extremely easy cuts, safe cuts in hand operated use

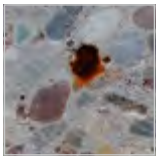
Special segment mix
Quicker drilling progress and extremely long service life

Hollow brickwork

Marble



Reinf. concrete



Masonry

Pavement

Lime sand brick

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 request
- Conventional G 1/2″ and 1.1/4″ UNC threaded adaptors

2

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 !

Suitable for

RD 160 [1]

RD 200 [1]

RD 500 [1]

[1] When used as a dry drill, we recommend: RODIA DW CLEANER M (No. 1000003978)

PRISMACUT
For better drill behaviour

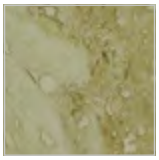
Extremely high diamond concentration
Faster drilling progress

Overwound drill bits
Balanced rotation reduces wear

Threaded adaptor G 1/2″ and 1.1/4″ UNC
Suitable for all other ROTHENBERGER drilling machines

Reinf. concrete

Marble



Asphalt

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.

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

1.1 kW motor power 85 % Vacuum 200 l / min extraction volume

10 l extraction tank

Safety during power failure

Model	Weight	PU	No.
RODIA-VAC incl. 10 l Tank, 230 V	20.000 kg	1	FF35200

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

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

Fixing set concrete / mansonry

No. FF35120

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)

No. FF35121

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 × 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

RO SERVICE+ only valid in participating countries.

Thread interfaces

Between motor connection and drill bit

No. FF35095

No. FF35080

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

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

Manometer

Pressure indicator

2.5 meter hose length

Ideal use for ceiling holes

Ideal use for ceiling holes

Drip-free connection even under water pressure

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

No. FF35700

No. FF35730

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 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

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

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

Separate automatic outlet

Adaptor for further electric tools

High cleaning effciency

2 polyester-filter cassettes with 99.9 % dust retention

Dust protection class M

Allows working with hazardous dusts with a limit value > 1 mg / m³

User comfort with a wide operating range

5 m long suction hose and 8 m long AC power cord

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

Bending

System overview **72–73**

Manual
Bender one-handed 74–76
Bending pliers 77–78
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Bender, electric 86–89

Bending tables **90–93**

Push bending

	TUBE BENDER	TUBE BENDER MAXI	TUBE BENDER MAXI MLP
Method	Manual 90°	Manual 90°	Manual 90°
Working range: Copper	Ø 5–12 mm (1/4–1/2″) ⇢⊙ 1 mm, soft	Ø 12–22 mm (3/8–7/8″) ⇢⊙ 1 mm, soft	○
Working range: Aluminium	Ø 5–12 mm (1/4–1/2″) ⇢⊙ 1 mm, soft	Ø 12–22 mm (3/8–7/8″) ⇢⊙ 1 mm, soft	○
Working range: Precision steel	Ø 5–12 mm (1/4–1/2″) ⇢⊙ 1 mm, soft	Ø 12–22 mm (3/8–7/8″) ⇢⊙ 1 mm, soft	○
Working range: Stainless steel	○	○	○
Working range: MLP	○	Ø 14–26 mm (5/8–7/8″) ⇢⊙ 3 mm	Ø 14–32 mm (1/4–1/2″) ⇢⊙ 3 mm
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Pull bending

	Standard bending plier	MULTIBEND	MINIBEND	Standard bender 180°
Method	Manual mechanical 90°	Manual mechanical 180°	Manual mechanical 180°	Manual mechanical 180°
Working range: Copper	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
Working range: Aluminium	○	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
Working range: Precision steel	○	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
Working range: Stainless steel	○	○	○	○
Working range: MLP	○	○	○	○
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Push bending

	ROBULL Typ E	ROBULL Typ ME
Method	Manual hydraulic 90°	Elektro hydraulic 90°
Working range: Copper	○	○
Working range: Aluminium	○	○
Working range: Precision steel	Ø 3/8–2″ 3.65 mm	Ø 3/8–2″ 3.65 mm
Working range: Stainless steel	○	○
Working range: MLP	○	○
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Pull bending

	PRO BENDER	ROBEND H+W Plus	ROBEND 4000 E	ROBEND 4000
Method	Manual mechanical 180°	Manual mechanical 180°	Electro mechanical 180°	Electro mechanical 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	○	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	○	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
Working range: MLP	○	○	○	○
Page	77	80	86	88

TUBE BENDER

Manual bending device for bending tubes, Ø 5–12 mm (1/4–1/2″)

Suitable for pipes made of:
Copper (soft) and aluminium: Ø 5–12 mm, 1/4–1/2″
Precision steel (soft): Ø 5–12 mm, 1/4–1/2″

Application benefits

- Dimensionally accurate bending even in constrained positions
- Production of overbends, counterbends, floor bends and connecting bends possible in all planes
- Simple and fast change of the bending segment
- Quick release and reset of the bending segment
- One-handed operation due to ergonomic design
- Fast and precise bending

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 segments

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

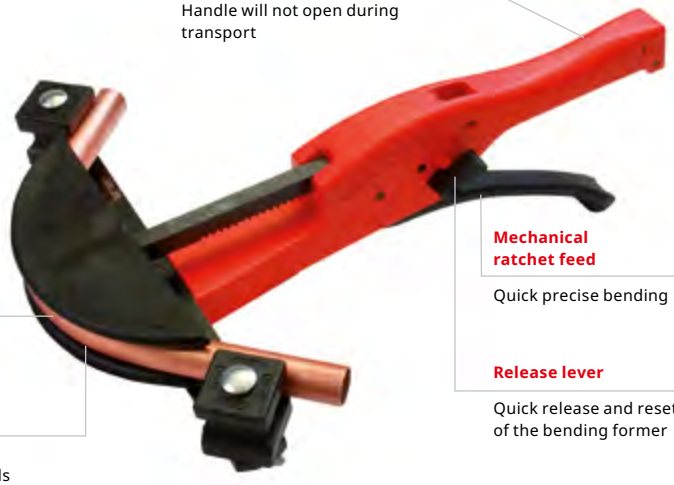
For accurate one-handed bending up to 90°, Ø 12–26 mm (3/8–7/8″)

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

- Quick release and reset of the bending segments
- Bending segments are easily exchanged
- Optimum bending results



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
Support segment set for TUBE BENDER MAXI MLP R / L, 14–25 mm	0.500 kg	1	23008
Support segment set for TUBE BENDER MAXI R / L, 12–22 mm (1/2–7/8″)	0.100 kg	1	23047

TUBE BENDER MAXI bending segments

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 multilayered composite pipes (MLP), Ø 14–32 mm

Application benefits

- 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	4.650 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 20 × 2.0 mm	0.150 kg	23052
Bending segment 25 × 2.0 mm	0.180 kg	23009
Bending segment 26 × 2.0 mm	0.200 kg	23053

Accessories	Weight	No.
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 iron body
- Comfortable working due to long levers and rubber handles
- Clamping surface for working with a vice

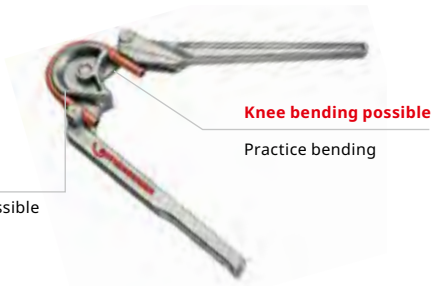
Model	Weight	PU	No.
PRO BENDER 10 mm (3/8″)	2.200 kg	1	1000001431
PRO BENDER 1/2″	2.100 kg	1	767050016
PRO BENDER 16 mm (5/8″)	4.000 kg	1	1000000445
PRO BENDER 3/4″	3.900 kg	1	767750016

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, Ø 12 × 1.0–22 × 1.0 mm

Application benefits

- Universal bender for sanitary and heating installations, and air-conditioning and refrigeration 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

Model	Weight	PU	No.
12 mm, R 44 mm	1.400 kg	1	462212
15 mm, R 60 mm	2.300 kg	1	462215
18 mm, R 74 mm	3.200 kg	1	462218
22 mm, R 87 mm	4.300 kg	1	462222

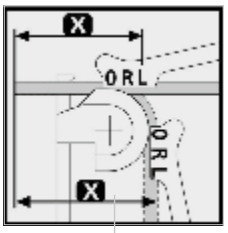
MINIBEND

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″)

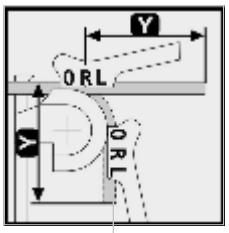
Application benefits

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

Method L



Method R



Accurate bending

Minimum size chard and bending radius display on measurement scale

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 Ø 6–18 mm (1/4–5/8″)

Application benefits

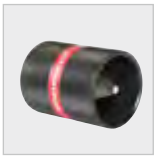
- Bending angle measurement of 0–180° for accurate bending
- Clamp mechanism for better pipe hold allows the bending of shorter pipe pieces
- Light construction allows for fatigue-free hand operation

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



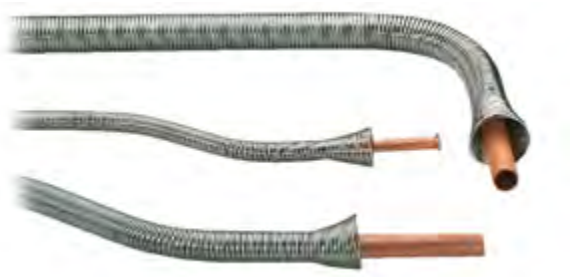
Description	Page	No.
Internal / external deburrer	37	1500000236
Bending spray, 150 ml	79	25120

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



Model	Weight	PU	No.
8 mm	0.070 kg	1	25181
10 mm	0.080 kg	1	25182
12 mm	0.160 kg	1	25183
15 mm	0.220 kg	1	25185
16 mm	0.230 kg	1	25186

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

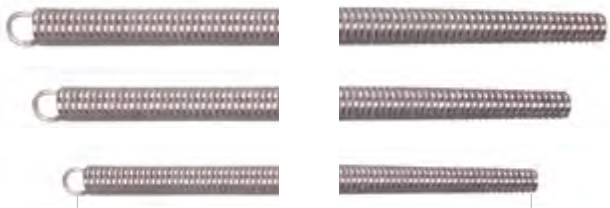
MLP internal bending springs

For hand bending of aluminium multilayer 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



Grip ring
for insertion into and retraction out of the pipe

Entry taper
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

Application benefits

- 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″)

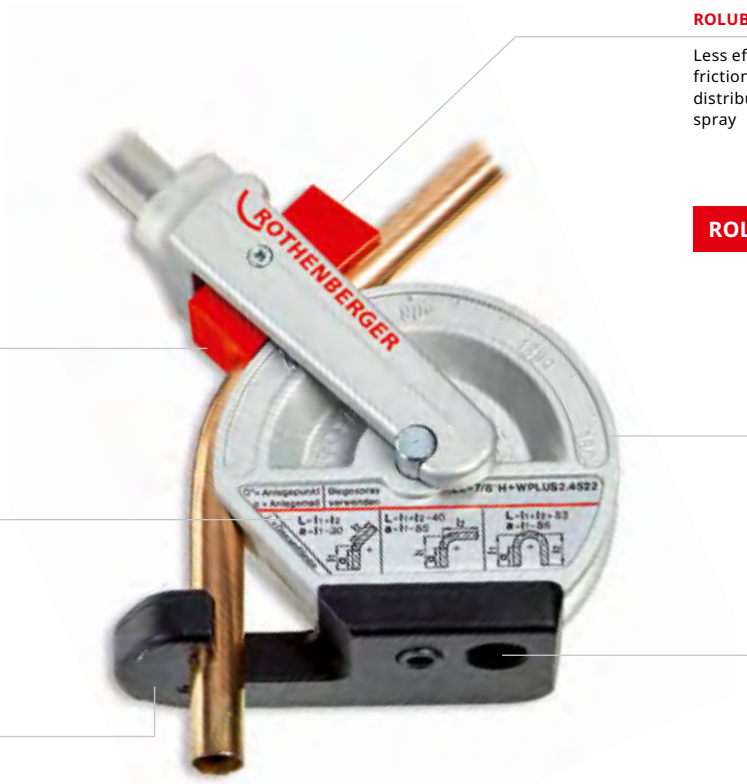
Aluminium and brass:
Ø 8–22 mm (5/16–7/8″)

Precision steel (also coated):
Ø 10–22 mm (3/8–5/8″)

Seamless stainless steel:
Ø 8–22 mm (5/16–7/8″)

Application benefits

- Accurate bending on continuous pipe
- Retains shape and remains stable
- Two-handed bending possible with the additional handle up to Ø 18 mm (5/8″)
- Easy bending through clamping on a vice
- Exact bending with the minimum size chart and bending radius display



ROLUB-Anti-Block-System

Less effort due to lower friction and optimum distribution of the bending spray

ROLUB-Anti-Block-System!

Optimum combination of ROLUB guide shoe and the bending former

Perfect bending results without friction marks

Made from high- quality forged aluminium

Retains shape and remains stable

Minimum size chard and bending radius display

Accurate bending

Thread for the attachment of the additional lever (accessories)

Free-hand bending possible

Bending formers with base plate

Easy bending through clamping on a vice

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″) 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″)

Model	Weight	PU	No.
ROBEND H+W Plus set, 1/2–5/8–7/8″	13.700 kg	1	24504
ROBEND H+W Plus set, 10–12–14–16 mm	16.300 kg	1	24501
ROBEND H+W Plus set, 12–14–16–18 mm	13.600 kg	1	24502
ROBEND H+W Plus set, 12–15–18–22 mm	16.500 kg	1	24500
ROBEND H+W Plus set, 15–18–22 mm	14.900 kg	1	24505

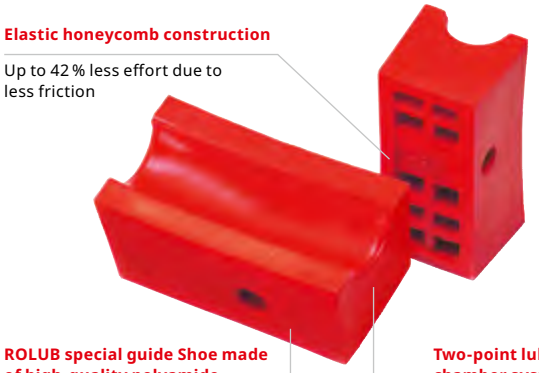
ROLUB Anti-Block special gliding shoe

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



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″

Application benefits

- 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 mono-block design and with quick, automatic piston retraction
- Comfortable working position with the tripod stand (opt.)
- With foldable and adjustable bending frame

ROBULL type E with adjustable bending frame: ROBULL hydraulic bending machine, open bending frame (No. 57981), 2 pins for frame (No.57979), support segment (No.57983), support segment with degree gradation (No. 57982), bending segment standard 90° in 3/8″ (No. 57985), 1/2″ (No. 57986), 3/4″ (No. 57987), 1″ (No. 57988), 1.1/4″ (No. 57989), 1.1/2″ (No. 57990), 2″ (No. 57991), hydraulic oil 1 l (No. 58185), steel carrying case (No. 58206)

ROBULL type E with foldable bending frame: same scope of delivery as the ROBULL type E with adjustable bending frame but with foldable bending frame (No. 58002)

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

RO SERVICE+ only valid in participating countries.

ROBULL type E

ROBULL type E with foldable bending frame

Img. similar

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:

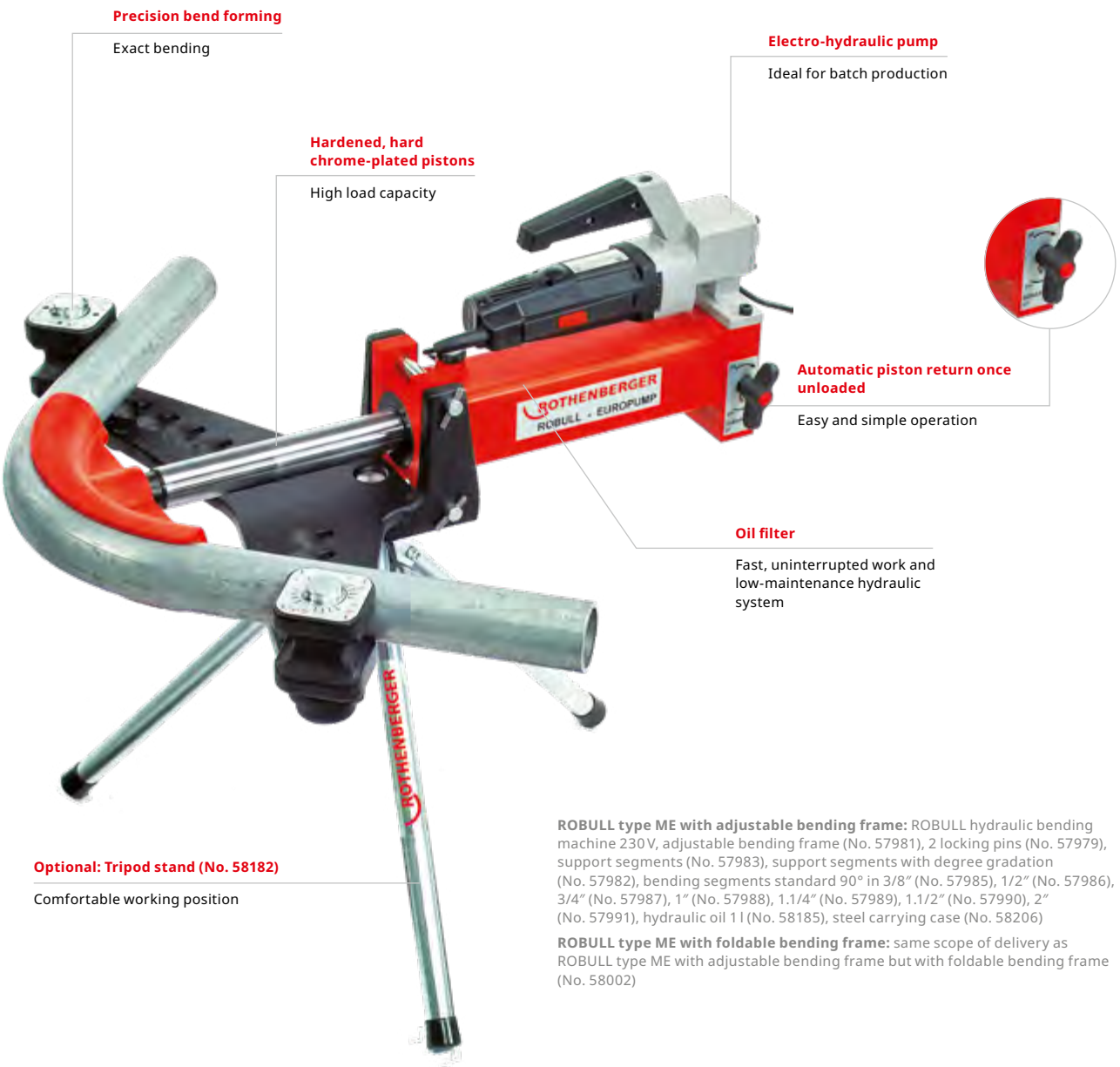
Carbon steel suitable for welding and thread-cutting:
Ø 3/8–2″

RO SERVICE+ | 230 V

Application benefits

- 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 mono-block design and with quick, automatic piston retraction
- Comfortable working position with the tripod stand (optional)
- With foldable and adjustable bending frame

3



ROBULL type ME with adjustable bending frame: ROBULL hydraulic bending machine 230 V, adjustable bending frame (No. 57981), 2 locking pins (No. 57979), support segments (No. 57983), support segments with degree gradation (No. 57982), bending segments standard 90° in 3/8″ (No. 57985), 1/2″ (No. 57986), 3/4″ (No. 57987), 1″ (No. 57988), 1.1/4″ (No. 57989), 1.1/2″ (No. 57990), 2″ (No. 57991), hydraulic oil 1 l (No. 58185), steel carrying case (No. 58206)

ROBULL type ME with foldable bending frame: same scope of delivery as ROBULL type ME with adjustable bending frame but with foldable bending frame (No. 58002)

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

RO SERVICE+ only valid in participating countries.

ROBULL type ME

ROBULL type ME with foldable bending frame

Img. similar

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, pipeline construction, air-conditioning and refrigeration systems, as well as industrial systems and batch production. Fewer joints mean less potential for leaks. Safety implies a lower 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

Available in the manufacturer-independent battery systems AMPShare—Powered by Bosch or CAS—Cordless Alliance System

RO SERVICE+ only valid in participating countries.

ROBEND 4000 E

Model	Weight	PU	AMPShare-No.	CAS-No.
ROBEND 4000 E bare tool 1/2–5/8–3/4–7/8–1.1/8″ without battery and charger	29.450 kg	1	1000004881	
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

No. 1000004192

No. 1000003393

Forged aluminium segments with bending angle scale

Comfortable carry handle

Working with a Tripod

Compact, rectangular shape

ROBEND 4000

Portable, sturdy and powerful. Cold bending up to 180°, Ø 12–35 mm (1/2–1.3/8″)

Universal application in sanitary and heating installations, pipeline construction, air-conditioning and refrigeration systems, as well as industrial systems and batch production. Fewer joints mean less potential for leaks. Safety implies a lower 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″

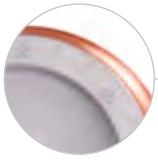
Seamless stainless steel (GW 541):
Ø 12–28 mm, (1/2–1.1/8″)

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

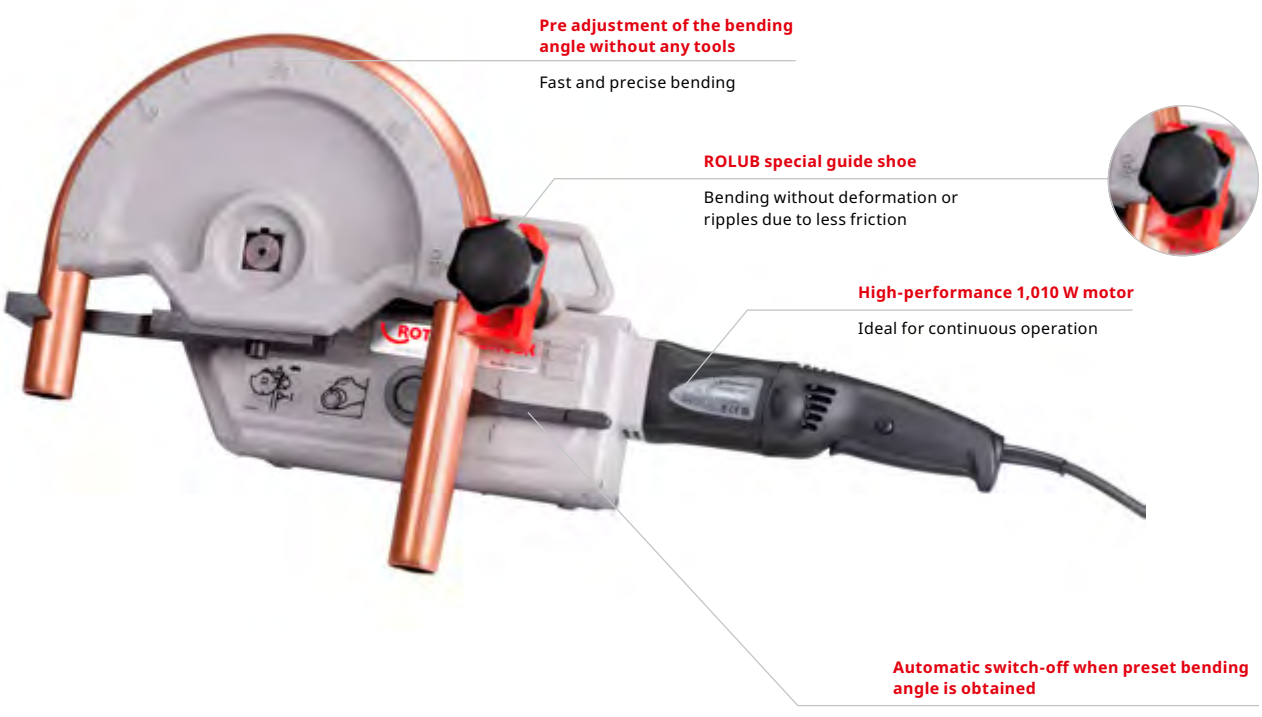
Application benefits

- 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
- Motor rating: 1,010 W



Forged aluminium former with bending radius scale

Easy to use



Pre adjustment of the bending angle without any tools

Fast and precise bending

ROLUB special guide shoe

Bending without deformation or ripples due to less friction

High-performance 1,010 W motor

Ideal for continuous operation

Automatic switch-off when preset bending angle is obtained

Fast batch production possible

RO SERVICE+ only valid in participating countries.

ROBEND 4000

Model	Weight	PU	No.
ROBEND 4000 bare tool in carrying case without bending segments	14.500 kg	1	1000001559
ROBEND 4000 set 12–14–16–18–22 mm	21.900 kg	1	1000001551
ROBEND 4000 set 12–14–16–18–22–28 mm	24.100 kg	1	1000001552
ROBEND 4000 set 12–15–18–22–28 mm	23.500 kg	1	1000001549
ROBEND 4000 set 15–18–22 mm	24.120 kg	1	1000001554
ROBEND 4000 set 15–18–22–28mm	24.120 kg	1	1000001550
ROBEND 4000 set 15–18–22–28–35 mm	29.000 kg	1	1000001738
ROBEND 4000 set 15–18–22–28–32–35 mm	32.000 kg	1	1000001567
ROBEND 4000 set 15–22–28 mm	21.100 kg	1	1000001545
ROBEND 4000 set 1/2–5/8–3/4–7/8″	19.600 kg	1	1000001553
ROBEND 4000 set 1/2–5/8–3/4–7/8–1.1/8–1.3/8″	29.000 kg	1	1000001565
ROBEND 4000 set 7/8–1.1/8–1.3/8″	22.000 kg	1	1000001566

Bending of pipes made of various materials possible

Seven-fold drive

Comfortable carry handle

ROBEND 4000 with tripod stand

ROBEND 4000 / 4000 E bending sets

For bending pipes Ø 12–35 mm (1/2–1.3/8″)

Fig. ROBEND 4000 / 4000 E bending set with ROLUB special guide shoe

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

Model	Weight	PU	No.
Bending set for ROBEND 4000 / 4000 E Fe 1/2″	1.420 kg	1	25684
Bending set for ROBEND 4000 / 4000 E Fe 3/4″	2.900 kg	1	25685

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

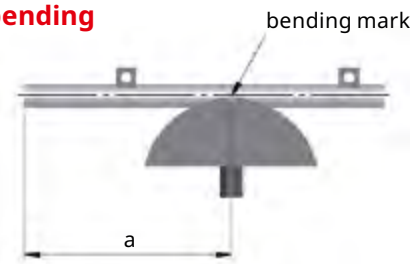
Model	Weight	PU	No.
Bending set for ROBEND 4000 / 4000 E 12 mm	0.480 kg	1	25612
Bending set for ROBEND 4000 / 4000 E 14 mm	0.480 kg	1	25614
Bending set for ROBEND 4000 / 4000 E 15 mm	0.530 kg	1	25615
Bending set for ROBEND 4000 / 4000 E 16 mm	0.600 kg	1	25616
Bending set for ROBEND 4000 / 4000 E 18 mm	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″[1]	3.400 kg	1	1000001561
Bending set for ROBEND 4000 / 4000 E 1.3/8″[1]	3.600 kg	1	1000001563

1) 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).

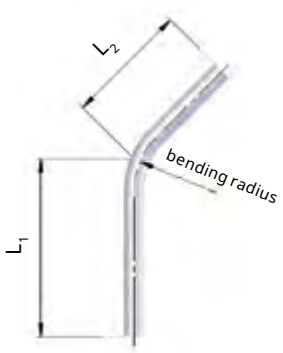
Push bending



Symbols

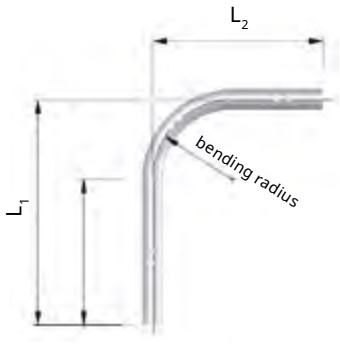
L_1 L_2 = Leg length
a = Lay out length
L = Total length of the pipe piece
L_W = Distance / pipe end—wall
A_W = Distance / pipe middle—wall
L_M = Minimum length[2]
L_R = Reserve length[2]

45°-arc



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

90°-arc



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

2) All sizes listed are standards and are dependant on the material and the wall thickness. Bending specific sizes based on the bending radius tabular value.

Calculation examples TUBE BENDER MAXI

Specifications:

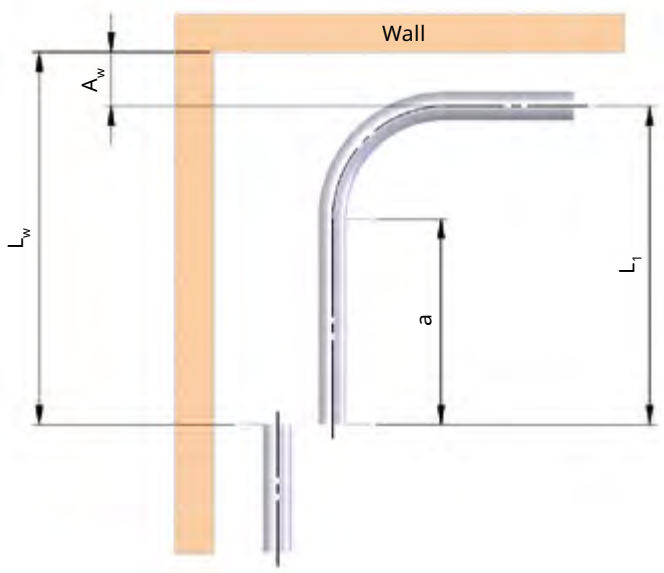
Installation in corner areas
L_W = 1,200 mm
A_W = 30 mm
Pipe-Ø 12 mm, 90°-arc

Sought after:

Leg length L_1
Applied size a

Solution:

Summary from the TUBE BENDER MAXI bending table



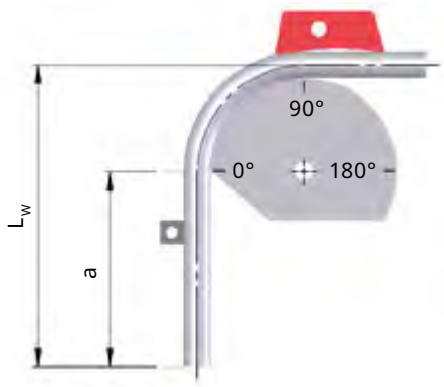
Leg length $L_1 = L_W - A_W = 1{,}200 - 30 = 1{,}170$ mm
Applied size $a = L_1 - L_R = 1{,}170 - 7.5 = 1{,}162.5$ mm; L_R ... Tabular value

TUBE BENDER		at 45°		at 90°		at 180°	
for Ø mm / inch	Bending radius R (mm)	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M 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	—	—
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 BENDER MAXI		at 45°		at 90°		at 180°
for Ø mm / inch	Bending radius R (mm)	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R 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 BENDER MAXI CT		at 45°		at 90°		at 180°
Tube Ø Ws mm	Bending radius R (mm)	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm
10 × 0.6	42.5	0.8	12.5	9.0	42.5	—
12 × 0.6	49.0	1.1	14.5	10.5	49.0	—
15 × 0.7	74.0	1.7	22.0	16.0	74.0	—
18 × 0.7	87.0	1.9	25.5	18.5	87.0	—

Pull bending

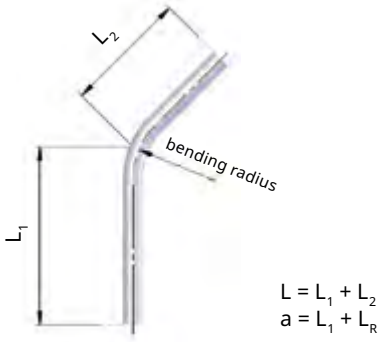


Symbols

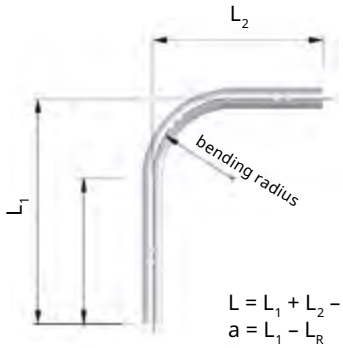
L_1 L_2 = Leg length
a = Lay out length
L = Total length of the pipe piece
L_W = Distance / pipe end—wall
A_W = Distance / pipe middle—wall
L_M = Minimum length[1]
L_R = Reserve length[1]

3

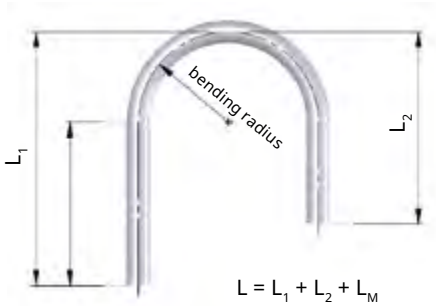
45°-arc	90°-arc	180°-arc



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



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



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

Calculation examples
ROBEND 4000 / ROBEND 4000 E

Specifications:

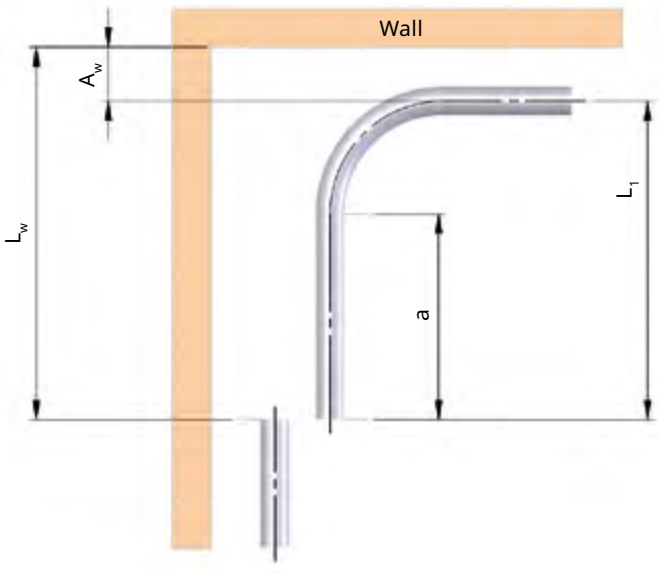
Installation in corner areas
L_W = 1,200 mm
A_W = 30 mm
Pipe-Ø 12 mm, 90°-arc

Sought after:

Leg length L_1
Applied size a

Solution:

Summary from the ROBEND 4000 / ROBEND 4000 E



Leg length $L_1 = L_W - A_W = 1,200 - 30 = 1,170$ mm
Applied size $a = L_1 - L_R = 1,170 - 42 = 1,128$ mm; L_R ... Tabular value

ROTHENBERGER

1) All sizes listed are standards and are dependant on the material and the wall thickness. Bending specific sizes based on the bending radius tabular value.

ROBEND H+W PLUS		at 45°		at 90°		at 180°	
for Ws mm / inch	Bending radius R (mm)	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M 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_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M 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 bender 180°		at 45°		at 90°		at 180°	
for Ø mm / inch	Bending radius R (mm)	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M 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

MULTIBEND		at 45°		at 90°		at 180°	
for Ø mm / inch	Bending radius R (mm)	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M 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

ROBEND 4000 / 4000 E			at 45°		at 90°		at 180°	
for Ø mm / inch	Pipe	Bending radius R (mm)	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M mm	Reserve lenght L_R mm	Minimum lenght L_M 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
16	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

ROTHENBERGER
Power Torque

Expanding, extracting and flaring

System overview	**96–97**
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Expanding and extracting manual	106
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Accessories extracting manual	110
Flaring	111–114
Torque wrench	115

Expander

	ROLOCK expander power torque	Expander A0	Step expander A1
Working range Copper	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 35–108 mm (1.3/8–4.1/8″) Wall thickness 2.5 mm soft
Working range Aluminium	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, semi-hard	Ø 35–108 mm (1.3/8–4.1/8″) Wall thickness 2.5 mm soft
Working range Precision steel	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	○
Working range Stainless steel	Ø 8–22 mm (5/16–7/8″) Wall thickness 1 mm soft	Ø 22–54 mm (1–2.1/8″) Wall thickness 1.5 mm soft	○
Page	**98**	**102**	**104**

Expander heads

	Expander head ROLOCK	Expander head standard	Expander head Typ S	Flanged riveted expander head
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
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	○
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	○
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	○
Page	**100**	**101**	**103**	**103**

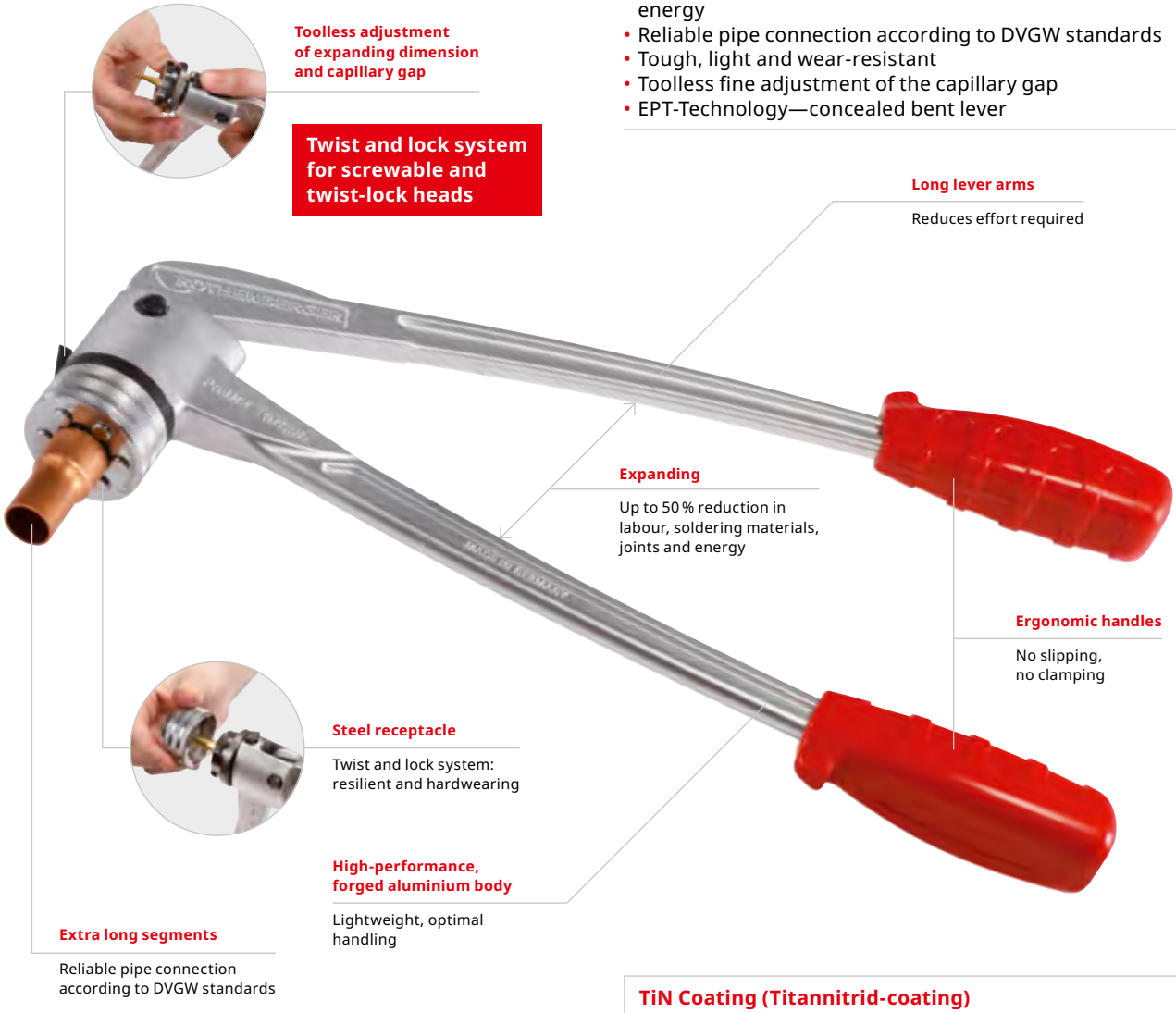
	Step expander head
Working range Copper	Ø 35–108 mm (1.3/8–4.1/8″) Wall thickness 2.5 mm soft
Working range Aluminium	Ø 35–108 mm (1.3/8–4.1/8″) Wall thickness 2.5 mm soft
Working range Precision steel	
Working range Stainless steel	
Page	**104**

ROLOCK expander power torque

For expanding, reducing and calibrating soft and semi-hard pipes Ø 8–42 mm (5/16–1.3/4″) as well as producing tapers

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



Made in Germany
The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools for over 50 years!

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 energy
- Reliable pipe connection according to DVGW standards
- Tough, light and wear-resistant
- Toolless fine adjustment of the capillary gap
- EPT-Technology—concealed bent lever

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

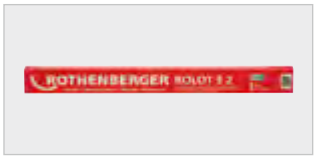
Model	Weight	PU	No.
ROLOCK Expander Power Torque 8–42 mm (5/16–1.3/4″)	1.000 kg	1	12400

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



Accessories	Page
Expander heads for ROLOCK expander power torque	100
Expander heads type S / riveted expander heads	103
Pipe cutter	22
Internal / external deburrer	43

Accessories	Page
Expander adaptor type S	103
Brazing solder	207
High-performance torch (SUPER FIRE 4 with MAPP[1] gas)	183

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

Expander head ROLOCK

For producing standard precision flares Ø 8–42 mm (5/16–1.3/4″) according to DVGW standards as well as the specifications for the Gas de France

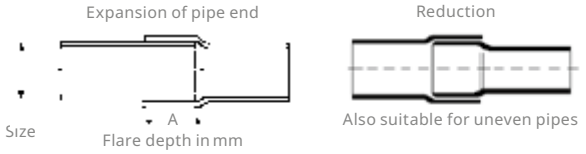
For expanding copper, stainless steel, and aluminum pipes in sanitary/heating and air-conditioning and refrigeration technology

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

Made in Germany

The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools for over 50 years!



Twist and lock system

Bayonet lock enables the expander head to be changed quickly

4

Specially hardened segments

Robust and long lasting

Step at the end of the segments

Enables recalibration of irregular pipes and fittings

6 rivets and guide channels

Compulsory guidance guarantees a perfect centred position and uniform capillary gap

Extra long segments

Depth of the flare is consistent with DVGW standards

Ø	max. wall thickness mm				A-size		
mm	Cu	Al	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

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

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

Expander head standard

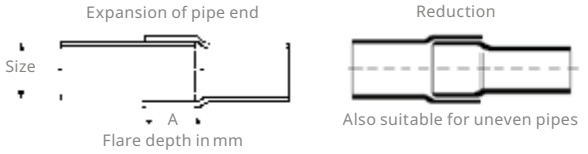
For producing standard precision flares Ø 8–42 mm (5/16–1.3/4″) according to DVGW standards as well as the specifications for the Gas de France

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

Made in Germany
The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools for over 50 years!



Ø	max. wall thickness mm				A-size		
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

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

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, air-conditioning and refrigeration systems

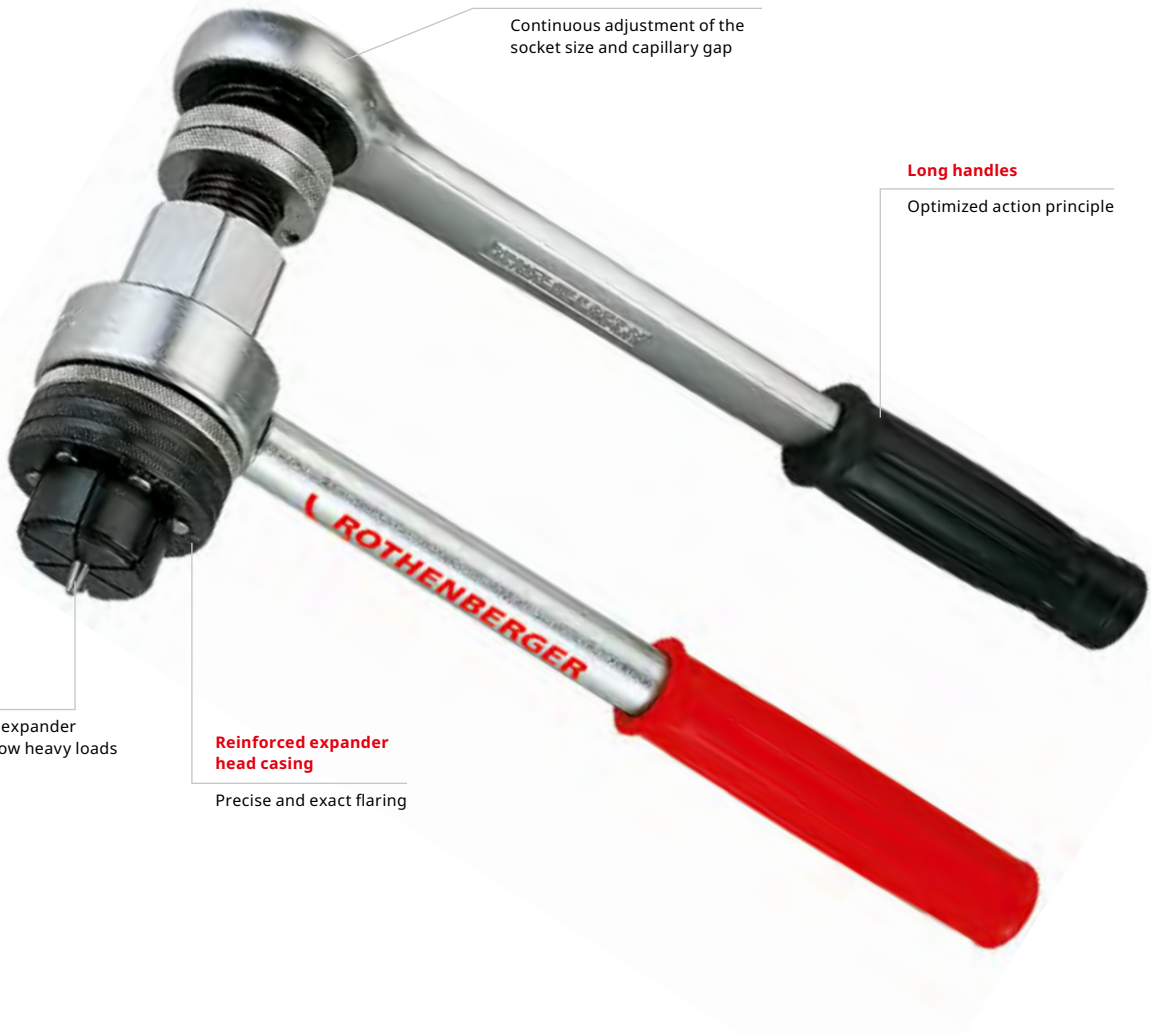
Suitable for pipes made of:
Copper and aluminium (soft, semi-hard):
Ø 22–67 mm, 1–2.1/2″, max. wall thickness 2.5 mm
Precision steel (soft) and stainless steel per DVGW-GW541:
Ø 22–54 mm, 1–2.1/8″, max. wall thickness 1.5 mm

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!

Img. similar



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

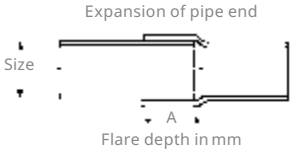
Expander A0 set (No. 11400) includes:
expander head type S, special ratchet (No. 27181)

Expander A0 basic unit (No. 11004) includes:
square drive mechanism 3/4″ with handle, without expander head and ratchet

Expander head type S

For the precise expansion of normal and thick walled pipes Ø 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, air-conditioning and refrigeration sector



Ø mm	max. wall thickness mm Cu	Al	Fe	INOX	A-size mm	Weight	No.
22	2.0	2.0	1.5	1.5	18.5	0.350 kg	11323
25	2.0	2.0	1.5	1.5	18.5	0.350 kg	11325
32	2.0	2.0	1.5	1.5	19.5	0.380 kg	11332
35	2.0	2.0	1.5	1.5	19.5	0.400 kg	11335
42	2.0	2.0	1.5	1.5	19.5	0.450 kg	11342
54	2.5	2.5	1.5	1.5	19.5	0.570 kg	11346
64	2.5	2.5			19.5	0.690 kg	11348
67	2.5	2.5			19.5	0.750 kg	11380

Ø Inch	max. wall thickness mm Cu	Al	Fe	INOX	A-size mm	Weight	No.
1″	2.0	2.0	1.5	1.5	18.5	0.350 kg	11376
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

4

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.

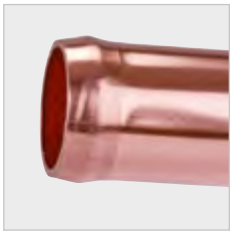
Allows the use of the expander heads type S with copper pipe (soft) up to 67 mm (2.1/2″) and 2 mm wall thickness!

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

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, air-conditioning and refrigeration 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

Application benefits

- 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

Img. similar special ratchet (No. 27181)

Sets include: step expander with handle, without special ratchet

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

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 expander heads, 22–67 mm (1–2.1/2″)	0.630 kg	1	11007

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

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

4

GOOD TO KNOW

Expander head compatibility

	Expander head ROLOCK	Expander head standard	Expander head type S	Riveted expander head	Step expander head
ROLOCK expander power torque	●	●		●	○
ROCAM expander power torque	○	●		●	○
Expander A0	○	○	●	○	○
Expander A1	○	○	○	○	●
Expander pistol H1	○	●		●	○

● Expander head can be used without adaptor ○ Expander head can not be used Fig.: Can be used with the appropriate adaptor (pictured)

ROLOCK COMBI KIT expander / extractor

Practical, compact and cost-saving set combinations with ROLOCK expander power torque and tee-extractors. For all common pipe dimensions Ø 12–28 mm (1/2–1.1/8″)

Suitable for pipes made of:
Copper, aluminium and steel (soft):
Ø 12–28 mm, 1/2–1.1/8″

Made in Germany

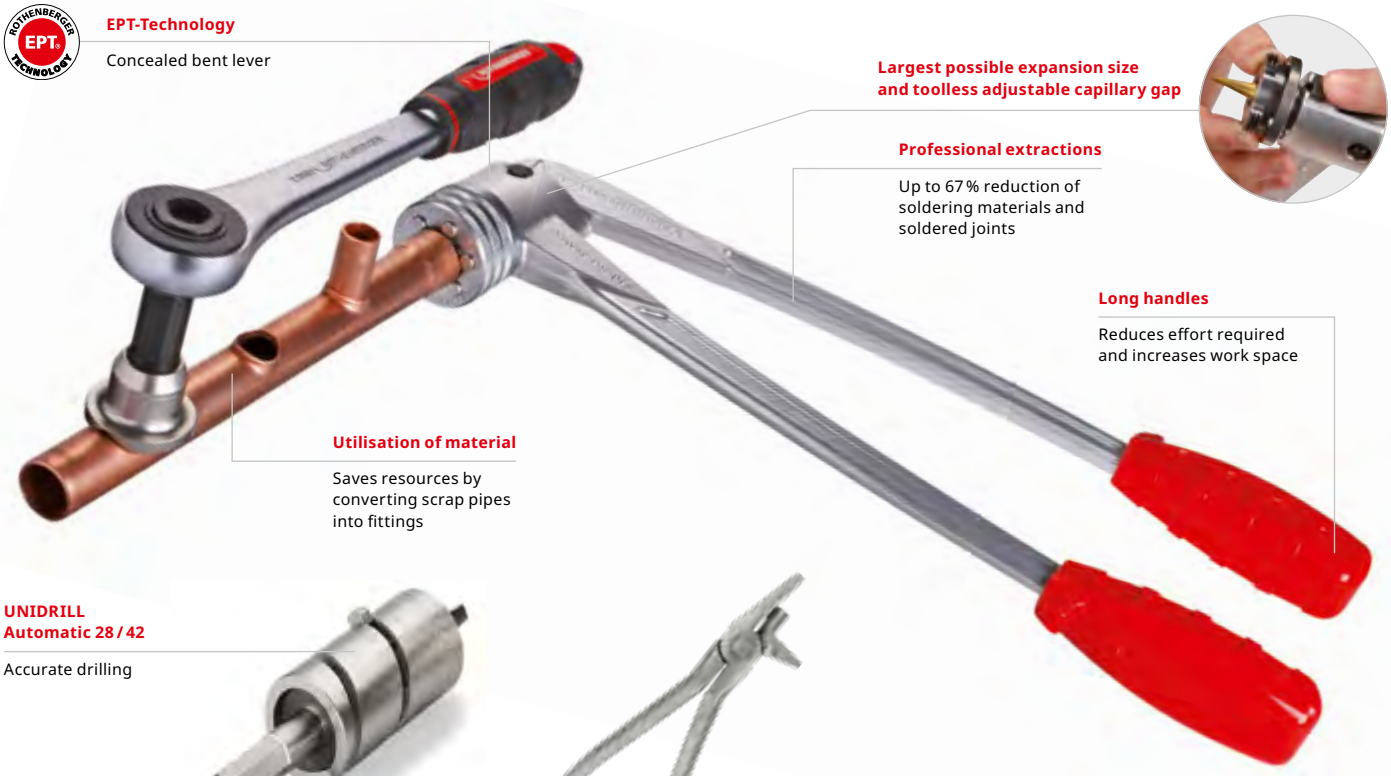
The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools for over 50 years!

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

EPT-Technology

Concealed bent lever



Largest possible expansion size and toolless adjustable capillary gap

Professional extractions

Up to 67 % reduction of soldering materials and soldered joints

Long handles

Reduces effort required and increases work space

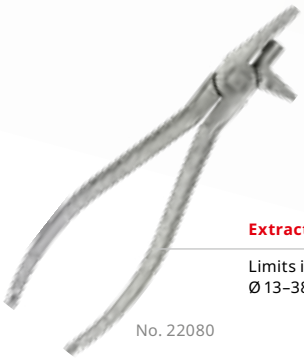
Utilisation of material

Saves resources by converting scrap pipes into fittings

UNIDRILL Automatic 28 / 42

Accurate drilling

No. 21583 / No. 21575



No. 22080

Extractor cam pincer

Limits insertion depth for Ø 13–38 mm (1/2–1.1/2″)

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

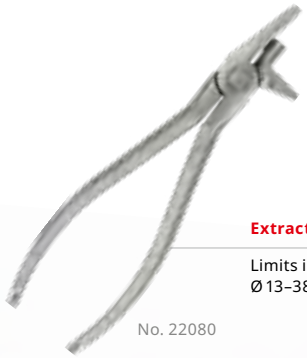
For efficient production of T-branches (extractions) for fitting-free pipe installations, Ø 10–42 mm (3/8–2.1/8″)

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

Made in Germany
The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools for over 50 years!

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



Extractor cam pincer
Limits insertion depth for Ø 13–38 mm (1/2–1.1/2″)

No. 22080

Optimum capillary gap
Professional extractions

Limits the insertion depth
Optimal positioning

No pipe removal
Extractions even on installed pipes possible

UNIDRILL Automatic 28 / 42
Accurate drilling

No. 21583 / No. 21575

Img. 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 and burrs
- Burr-free operation due to specially polished extractor hooks
- Easy insertion into the drilled hole with the special hook design
- Secure support and positioning for precise 90° branches

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

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

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

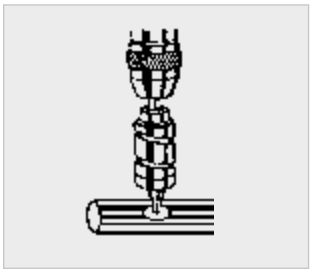
Spare extractor hook

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

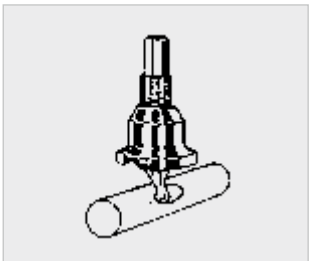
Model	Weight	PU	No.
Extractor hook 14 mm	0.090 kg	1	1300005047
Extractor hook 42 mm	0.320 kg	1	1300005056
Extractor hook 54 mm (2.1/8″)	0.560 kg	1	1300005057
Extractor hook 3/4″	0.140 kg	1	1300005060
Extractor hook 3/8″	0.060 kg	1	1300005058
Extractor hook 7/8″	0.200 kg	1	1300005061

Model	Weight	PU	No.
Extractor hook 1″	0.210 kg	1	1300005062
Extractor hook 1.1/8″	0.220 kg	1	1300005063
Extractor hook 1.1/4″	0.270 kg	1	1300005064
Extractor hook 1.5/8″	0.320 kg	1	1300005065
Extractor hook 2″	0.520 kg	1	1300005067

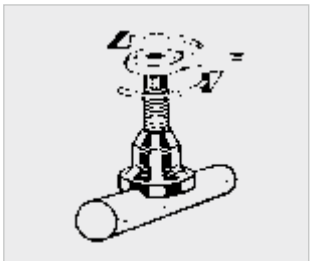
Precise drilling of the pipe without a centre punch—drill stop prevents perforation of the pipe



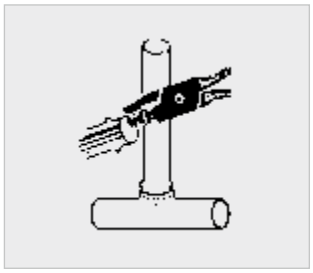
Insert extractor hook into the drilled hole and screw the bell firmly against the drill hole



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



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



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

Extractor ratchet

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

Application benefits

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

No. 27180
Fig. similiar

No. 27181

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 Ø 13–38 mm (1/2–1.1/2″)

Application benefits

- Marking point ensures exact insertion depth and prevents poking through

Extractor cam pincer

Limits insertion depth for Ø 13–38 mm (1/2–1.1/2″)

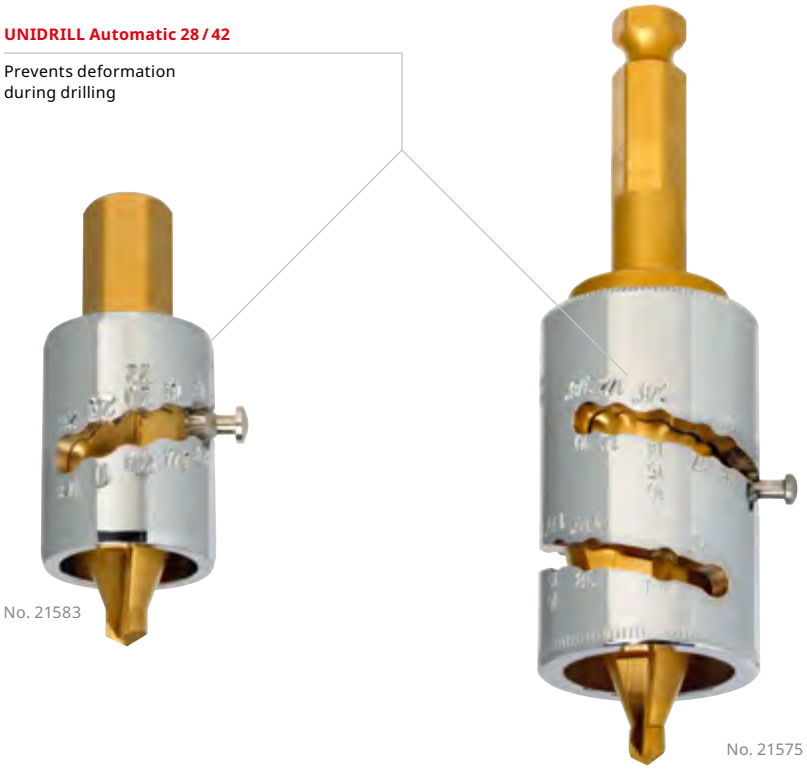
Model	Weight	PU	No.
Extractor cam pincer 13–38 mm (1/2–1.1/2″)	0.150 kg	1	22080

UNIDRILL Automatic 28 / 42

HSS special conical drill

Application benefits

- Fast, burr-free drilling
- Precise location without need for centre punch special drill tip
- 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

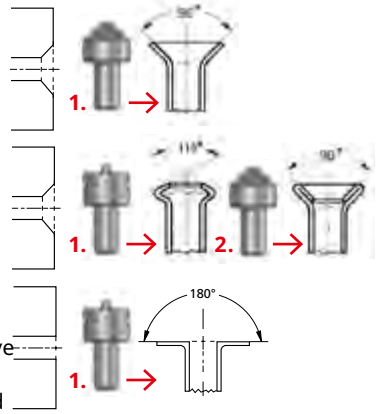
- Ideal for endless pipes
- For several flaring profiles, wall thickness 0.7–1.0 mm
- Universal use with the pluggable pressure cone
- Accurate and reproducible results
- Clamping block for several pipe diameters
- Reliable hold with the 25 mm pipe clamping length
- Suitable for clamping in a vice

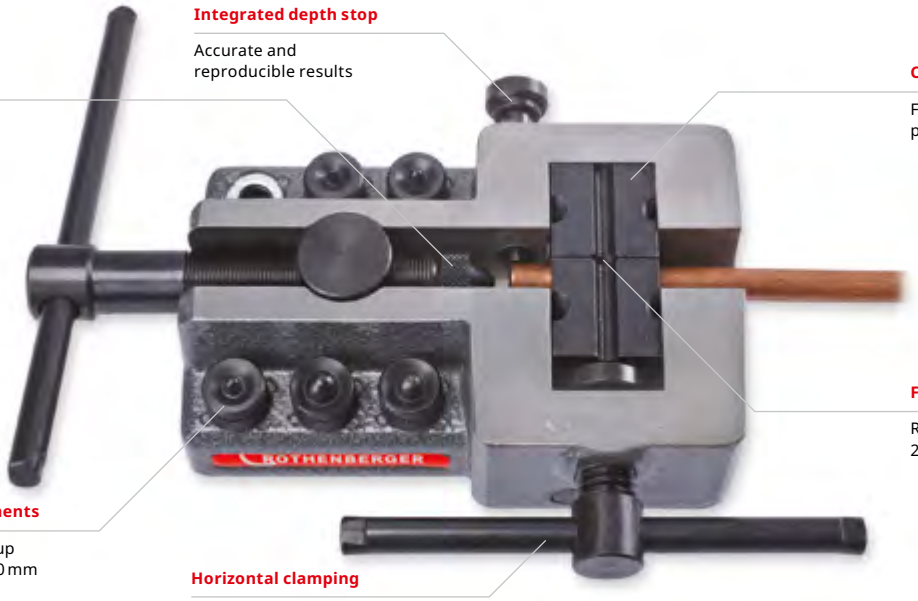
Formation of the various flares made possible with the appropriate flaring attachments

E- contour, simple flare
- Standard flaring contour

D-contour, double flare
- Extension of brake and/or hydraulic lines
- 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





Integrated depth stop
Accurate and reproducible results

Pluggable pressure cone
Universally insertable

Clamping block
For several pipe diameters

Flange length
Reliable hold with the 25 mm pipe clamping length

Pluggable flaring attachments
For several flaring profiles up to a wall thickness of 0.7–1.0 mm

Horizontal clamping
Applicable for endless pipes

No. 26016 No. 26015 No. 26017

No. 26010 No. 26011

No. 26001 No. 26002 No. 26003 No. 26004 No. 26005

Set (No. 26013) includes: basic tool with pressure cone (No. 26010), flaring attachments, 1 set of clamping blocks (No. 26011)

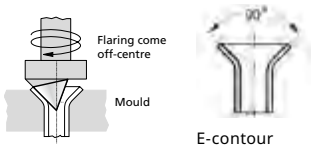
Model	Weight	PU	No.
DB 10 4,75–5–6–8–9–10 mm	2.640 kg	1	26013
Flanging inserts 4.75–5 mm	0.200 kg	1	26001
Flanging inserts 6 mm	0.200 kg	1	26002
Flanging inserts 8 mm	0.200 kg	1	26003
Flanging inserts 9 mm	0.200 kg	1	26004
Flanging inserts 10 mm	0.200 kg	1	26005

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

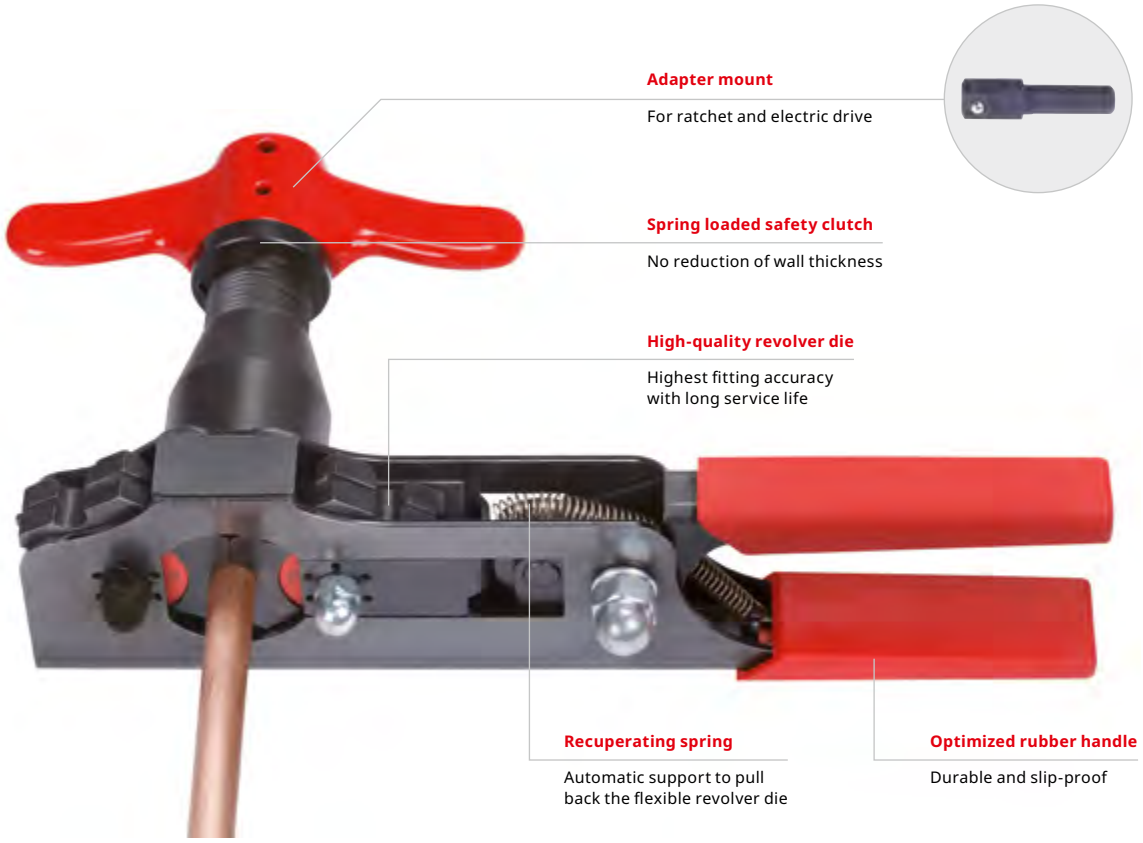
For the reliable and fast production of standard single 45° flares in accordance with EN 14276-2 and JIS B8607:2008 on copper soft pipes Ø 6–18 mm and 1/4–3/4″



E-contour single flare

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



Adapter mount
For ratchet and electric drive

Spring loaded safety clutch
No reduction of wall thickness

High-quality revolver die
Highest fitting accuracy with long service life

Recuperating spring
Automatic support to pull back the flexible revolver die

Optimized rubber handle
Durable and slip-proof

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)

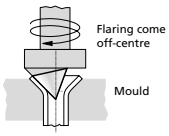
Model	Weight	PU	No.
Metric, 6–8–10–12–16–18 mm	1.300 kg	1	1000000222
Imperial, 1/4–5/16–3/8–1/2–5/8–3/4″	1.710 kg	1	1000000223
Set metric with ROTRAC 28 PLUS chrome, limited edition	1.300 kg	1	1000000230
Set imperial with ROTRAC 28 PLUS chrome, limited edition	1.900 kg	1	1000000231

Compact design enables use in confined spaces

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

Reeling flaring tool

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



E-contour single flare

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

No. 222401, No. 222402, No. 222403

Square connection

For manual operation, for example cordless screwdriver

Spring-loaded slide coupling

No reduction in wall thickness

Made from forged steel

Robust and long-lasting

Flare cone rotates off-centre in needle bearings

Controlled expanding shaping of the pipe end without tearin

Self-centring die

Highest flare precision

Adaptor for cordless screwdriver

Die available in metric and imperial sizes

Pipe will not slip

Img. similar

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

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
Set metric, 6–8–10–12–14–15–16–18 mm	2.080 kg	1	222403

Model	Weight	PU	No.
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 Ø 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

E-contour single flare

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 for sanitary and heating installations, air-conditioning and refrigeration technology, automotive, 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

Fig. similiar

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

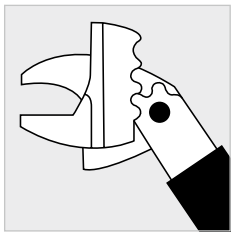
Step-less torque wrench

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

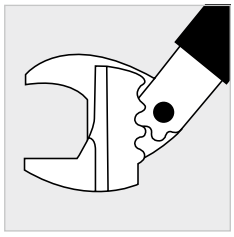
Application benefits

- 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

Closed head



Fully opened head



ROTORQUE sets include: torque wrench, head, carrying bag

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

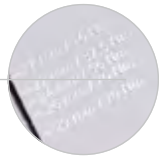
Connection 9 × 12

Head can be exchanged between ROTORQUE AIRCON and ROTORQUE REFRIGERATION

All-In-One: one head fits all sizes!

The torque can be read of

Always tighten according to the standard



4

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 (10–75 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 75 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

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

Fix with torque urgently necessary!

DIN -Norm

Fig. similiar

Pipe-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

18V
ROTHENBERGER

Pressing

System overview **120–121**

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DURA LAZR TEC 119
Press machine ROMAX NANO 122
Press machine compact 124–125
Press machines standard 126–129
Conex Bänninger® >B< MaxiPro® press system 130–133
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Press chains standard 141
Overview pressing tools 142–143
Overview system approvals 144–150

Constant Force Technology

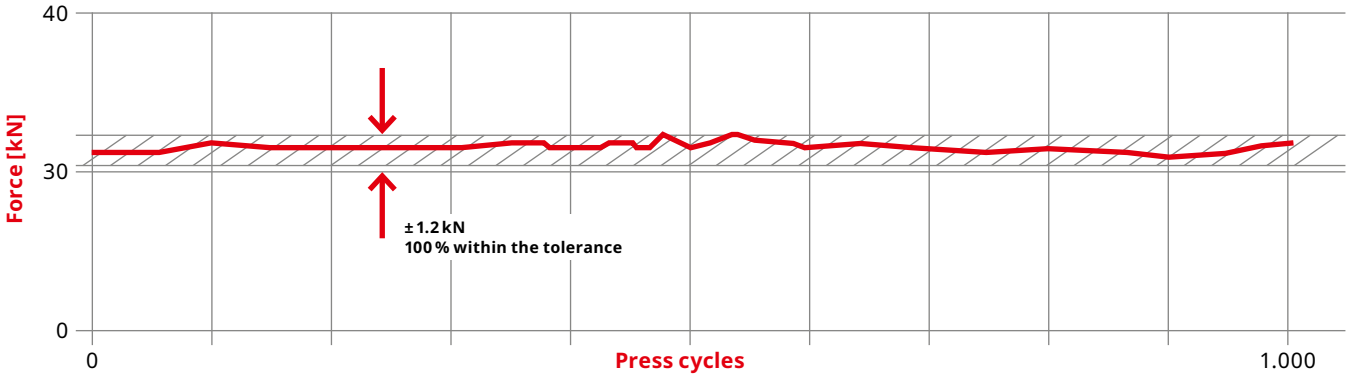
The CFT guarantees a constant axial pressing force over the entire service interval.
A very important requirement for the production of sealed press connections.

CFT guarantees:

- ROMAX NANO: several pressing force levels (iJAW and 32 kN) / no limitation of pressing cycles / 2 years
- ROMAX Compact III: 19 kN / 40,000 press cycles / 2 years
- ROMAX Compact TT: 19 kN / 40,000 press cycles / 2 years
- ROMAX 4000: 32 kN / 40,000 press cycles / 2 years
- ROMAX 3000 AC: 32 kN / 20,000 press cycles / 2 years
- ROMAX AC ECO: 32 kN / 10,000 press cycles / 2 years

Constant force due to CFT

Measurement under load—UPONOR NW 75



No system commitment

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.

Electronic control

The electronics of the ROMAX NANO, 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

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

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!

DURA LAZR TEC LASER HARDENING

Partial laser-hardening for highly stressed surfaces

- Ideal accuracy of contour for highest precission during the complete live time
- 40 % increase in hardness[1]

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

ROTHENBERGER press jaws before surface treatment

+ 40 %
HARDNESS
AT HIGHLY STRESSED
AREAS[1]

+100%
PRESS CYCLES WITH LASER HARDENING[1]

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).

1) In comparison to previous models

Press jaws

	Press jaws compact	Press jaws standard	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	○	○	○
DURA LAZR TEC	●	●	●
Long-term corrosion prot.	●	●	●
3-bolt synch. mechanism	●	●	●
Precision-manufactured contour	●	●	●
Suiteable for all press machines with a constant axial thrust of	19–21 kN	32–34 kN	32–34 kN
Page	**135**	**139**	**140**

Press rings, press jaws and press chains

	Press rings	Interchangeable press jaw compact	Press chains standard
Working range metal	Ø 12–35 mm	○	Ø 42–54 mm
Working range multilayer	Ø 14–40 mm	Ø 12–32 mm	○
Snap on	●	○	●
DURA LAZR TEC	●	○	●
Long-term corrosion prot.	●	●	●
3-bolt synch. mechanism	○	●	○
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**	**138**	**141**

>B< MaxiPro press jaws, press rings and press chains

	Press jaws compact >B< MaxiPro	Press jaws standard >B< MaxiPro	Press rings >B< MaxiPro	Press chains standard >B< MaxiPro
Working range metal	1/4–1.1/8″	1/4–1.1/8″	1/4–1.1/8″	1.3/8[1]
Working range multilayer	○	○	○	○
Snap on	○	○	●	○
DURA LAZR TEC	●	●	●	●
Long-term corrosion prot.	●	●	●	●
3-bolt synch. mechanism	●	●	○	○
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	32–34 kN
Page	**132**	**132**	**133**	**133**

Press machines

	ROMAX NANO	ROMAX COMPACT III	ROMAX 4000	ROMAX 3000 AC	ROMAX AC ECO
Controlled press cycle	●	●	●	●	○
Piston force / hub	hybrid / 40 mm	19 kN / 30 mm	32 kN / 40 mm	32 kN / 40 mm	32 kN / 40 mm
Service intervall	No limitation of pressings / 2 years	40,000 pressings 2 years	40,000 pressings 2 years	20,000 pressings 2 years	10,000 pressings 2 years
LED	●	●	●	●	○
Dimensions	323 × 83 × 108 mm	336 × 143 × 76 mm	445 × 125 × 75 mm	460 × 120 × 90 mm	415 × 180 × 80 mm
Weight	2.300 kg	2.500 kg	3.600 kg	3.800 kg	4.500 kg
Cordless	●	●	●	○	○
Connectivity	●	●	○	○	○
Page	**122**	**124**	**126**	**128**	**129**

1) Larger areas of application on request

ROMAX NANO

Battery-operated electromechanical pressing machine for press fittings up to 110 mm. Small, intelligent and ultra-light

The ROMAX NANO is the first hybrid pressing machine to combine two pressing force categories (iJAW and 32 kN) in one machine. It is suitable for the NANO iJAWS press jaw system as well as for standard jaws and presses fittings up to 110 mm. A sophisticated smart connectivity concept supports the users in their work.

Application benefits

- First hybrid pressing machine on the market (iJAW and 32 kN)
- Smallest and lightest 32 kN machine (only 2.3 kg)
- Interoperability with standard jaws (32 kN mode only)
- Intelligent and networked

Technical data

Dimension	323 × 83 × 108 mm
Piston force / hub	hybrid / 40 mm
Nominal size	Ø 12–110 mm
Service intervall	No limitation of pressings / 2 years
Press jaw fixture	180° rotation
Power supply	Battery
Operation temperature	-10 °C up to 60 °C

NANO iJAWS (Smart)

New type of pressing jaws with RFID tag and optimised in size and weight

Connectivity

App tracking of press force and press cycles, semi-automatic order reports, press statistics

LED

Machine status display and work area lighting

2 in 1 jaw mount

Suitable for NANO and standard jaws in one mount

Hybrid pressing machine

Combines 2 press force levels (iJAW and 32 kN) in one device

Constant Force Technology (CFT)

Keeps the pressing force constant at the required level

eRotationDrive

Enables the use of variable pressing forces and reduces the overall weight of the machine (approx. 2.3 kg)

The bright LED ring optimally illuminates the working area and signals various operating statuses.

Thanks to its compact design, the ROMAX NANO can even be used in tight spaces and with large pipe diameters without any problems.

RO SERVICE+ only valid in participating countries.

Connected with the ROTHENBERGER App

The ROTHENBERGER app can be used to connect tool and smartphone. This gives the user real-time access to relevant machine and press data.

The app also provides press logs with intelligent logic quickly and easily on site. The maintenance status of the mould can also be read out.

Available for iOS and Android!

Fig. ROMAX NANO set CAS in ROCASE 4212 (No. 1000004824)

Fig. ROMAX NANO set CAS in ROCASE 6414 (No. 1000005041)

Model	Press jaws Ø	Weight	PU	No.
ROMAX NANO bare tool CAS, ROCASE 4212		3.825 kg	1	1000004824
ROMAX NANO bare tool CAS, ROCASE 6414		5.625 kg	1	1000005041
ROMAX NANO basic set, 2 Ah, CAS		6.627 kg	1	1000005042
ROMAX NANO basic set, 2Ah, CAS, UK		6.627 kg	1	1000005043
ROMAX NANO iJAW set M, 2 Ah, CAS	15–22–28 mm	9.851 kg	1	1000005044
ROMAX NANO iJAW set M, 2 Ah, CAS, UK	15–22–28 mm	9.957 kg	1	1000005045
ROMAX NANO iJAW set SV, 2 Ah, CAS	15–22–28 mm	9.887 kg	1	1000005046
ROMAX NANO iJAW set SV, 2 Ah, CAS, UK	15–22–28 mm	9.957 kg	1	1000005047
ROMAX NANO iJAW set TH, 2 Ah, CAS	16–20–26 mm	9.957 kg	1	1000005048
ROMAX NANO iJAW set TH, 2 Ah, CAS, UK	16–20–26 mm	9.957 kg	1	1000005049
ROMAX NANO iJAW set U, 2 Ah, CAS	16–20–25 mm	9.707 kg	1	1000005050
ROMAX NANO iJAW set U, 2 Ah, CAS, UK	16–20–25 mm	9.957 kg	1	1000005051

Batteries and charger

No. 1000001654

No. 1000001652

No. 1000001653

No. 1000002548

No. 1000002549

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

ROMAX NANO press jaws and press jaw sets on page 137

RO SERVICE+ only valid in participating countries.

ROMAX COMPACT III

Smart Electro-Hydraulic Press Tool (battery-operated) for pressing of fittings up to Ø 35 mm (Metal) and / or Ø 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 up to Ø 40 mm
- Small and lightweight: perfectly balanced—the centre of gravity is where the user holds the tool
- Handy: with 34 cm in length just 2.5 kg weight

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)

5

Push-2-Lock-Knob

Jaw locking system (spring-loaded knob) allows convenient attaching/ detaching of press jaws

Balanced design

Optimized in weight and size for better machine handling in daily use

Wireless data transmission

Connects the machine with ROTHENBERGER App

Multiple battery systems

Suitable for AMPShare or CAS battery systems

R-System Label

Jaw matching indicatior reduces misuse risk of attaching incompatible jaws

Black colored parts

New coloration of jaw fixture and bracket give the machine a high-end-look

Available in the manufacturer-independent battery systems AMPShare—Powered by Bosch or CAS—Cordless Alliance System

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.

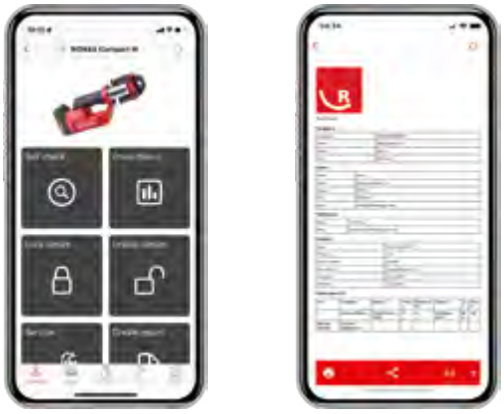
With just 2.5 kg of weight, overhead jobs will be effortless even over an extended period of time.

RO SERVICE+ only valid in participating countries.

Connected with the ROTHENBERGER App

The all-new ROMAX COMPACT III is a smart press machine with 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.

Available for iOS and Android!



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. 1000003858

No. 1000003859

No. 1000001654

No. 1000001652

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 4000

Electro-hydraulic radial battery-powered press machine for 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

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)

Available in the manufacturer-independent battery systems AMPShare—Powered by Bosch or CAS—Cordless Alliance System

Compatible jaw fixture

Suitable for common standard press jaws (32 kN)

Fast and powerful pressings

Pressed in 5 seconds with 32–34 kN

Lightweight

The machine weighs only 3.6 kg

Automatic controlled press cycles

Piston retracts after reaching the necessary pressing force

Rod-shape

Perfectly balanced weight distribution enables users to work comfortably

270° rotatable press jaw fixture

For easy operation even in confined spaces

Constant Force Technology (CFT)

For constant axial pressing force

Multiple battery systems

Suitable for AMPShare or CAS battery systems

RO SERVICE+ only valid in participating countries.
1) Tested with SV18 copper fittings / in comparison with ROMAX 3000

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 × 2.0 Ah battery and 1 × 4.0 Ah 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 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

- 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

230 V | CFT TECHNOLOGY | RO CASE | RO SERVICE+

Technical data

Dimension	460 × 120 × 90 mm
Piston force / hub	32 kN / 40 mm
Nominal size	Ø 12–110 mm
Service intervall	20,000 pressings / 2 years
Press jaw fixture	270° rotation
Operation temperature	230 V / 50–60 Hz 110 V on request
Temparature	-15 °C up to 60 °C

5

Batch production possible

Slim design

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

RO SERVICE+ only valid in participating countries.

ROMAX AC ECO

Electro-hydraulic press machine with mains operation for 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

Technical data

Dimension	415 × 180 × 80 mm
Piston force / hub	32 kN / 40 mm
Nominal size	Ø 12–110 mm
Service intervall	10,000 pressings / 2 years
Press jaw fixture	270° rotation
Operation temperature	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

RO SERVICE+ only valid in participating countries.

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

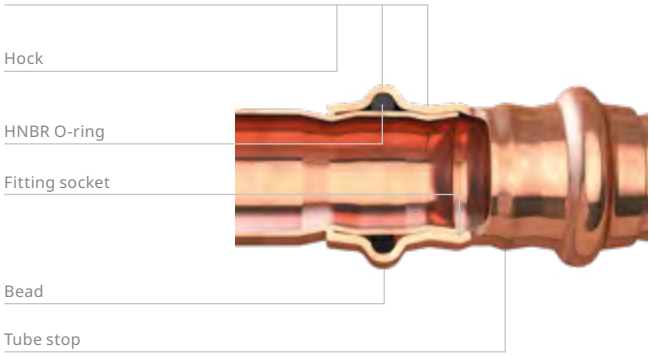
Press ring set >B< MaxiPro No. 1000003641

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 18 V (No. 1000001652), RO BC14/36 charger, 230 V (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

The >B< MaxiPro® system is an innovative press system by Conex Bänninger®. >B< MaxiPro® and Conex Bänninger® are registered trademarks of Conex IPR Limited.

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.

No. 70027

2. Deburr and remove all external sharp edges.

3. Use a pencil deburrer on internal edges.

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

5. Check for defects.

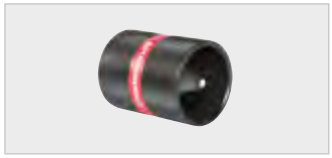
6. Ensure the O-ring is seated.

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

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

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

The >B< MaxiPro® system is an innovative press system by Conex Bänninger®.
>B< MaxiPro® and Conex Bänninger® are registered trademarks of Conex IPR Limited.

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 °C to +140 °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 NANO, ROMAX 4000, ROMAX 3000 AC and 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.

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 NANO / 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.

ONE HAND OPERATION | 180° | RO CASE | DURA LAZR TEC LASER HARDENING

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 chains standard >B< MaxiPro

For ROMAX NANO / 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.

DURA LAZR TEC LASER HARDENING

No. 1000004602

Img. similar

Model	Press chains Ø	Weight	PU	No.
Press chain standard >B< MaxiPro	For actuator jaw >B< MaxiPro ZB1-MP1.3/8″	1.800 kg	1	1000004601
Actuator jaw >B< MaxiPro ZB1-MP	Press chain >B< MaxiPro 1.3/8″	2.100 kg	1	1000004602
Press chain set >B< MaxiPro with actuator jaw ZB1-MP1.3/8″		5.590 kg	1	1000004626

Press rings

For ROMAX NANO / 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 kN or 32 kN and compatible jaw fixture.

ONE HAND OPERATION · 180° · RO CASE · DURA LAZR TEC LASER HARDENING

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 M	12 mm	0.220 kg	1	1000003880
Press ring M	15 mm	0.290 kg	1	1000003881
Press ring M	18 mm	0.270 kg	1	1000003882
Press ring M	22 mm	0.310 kg	1	1000003883
Press ring M	28 mm	0.400 kg	1	1000003884
Press ring M	35 mm	0.440 kg	1	1000003885
Press ring TH	16 mm	0.360 kg	1	1000003928

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	16 mm	0.315 kg	1	1000003937
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 M	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 Standard		2.360 kg	1	1000003589
Actuator jaw R Compact		1.370 kg	1	1000003590

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 Ø 40 mm (plastic / multilayer) and / or up to Ø 35 mm (metal).

Precision-manufactured contours

For optimum and reliable pressings

DURA LAZR TEC

100 % more press cycles thanks to laser hardening[1]

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

3-bolt synchronised mechanism

Synchronised run of the jaw lever enables the jaw to be opened with just one finger

Permanent bolt

Without potential weak points / no thread n Considerable reduction of the breakage risk n Increased safety

Batch numbering and individual testing

Secures the high-quality standard of material and press contour

Long-term corrosion protection

Optimum for heavy-duty field operation

Optimum for heavy-duty field operation

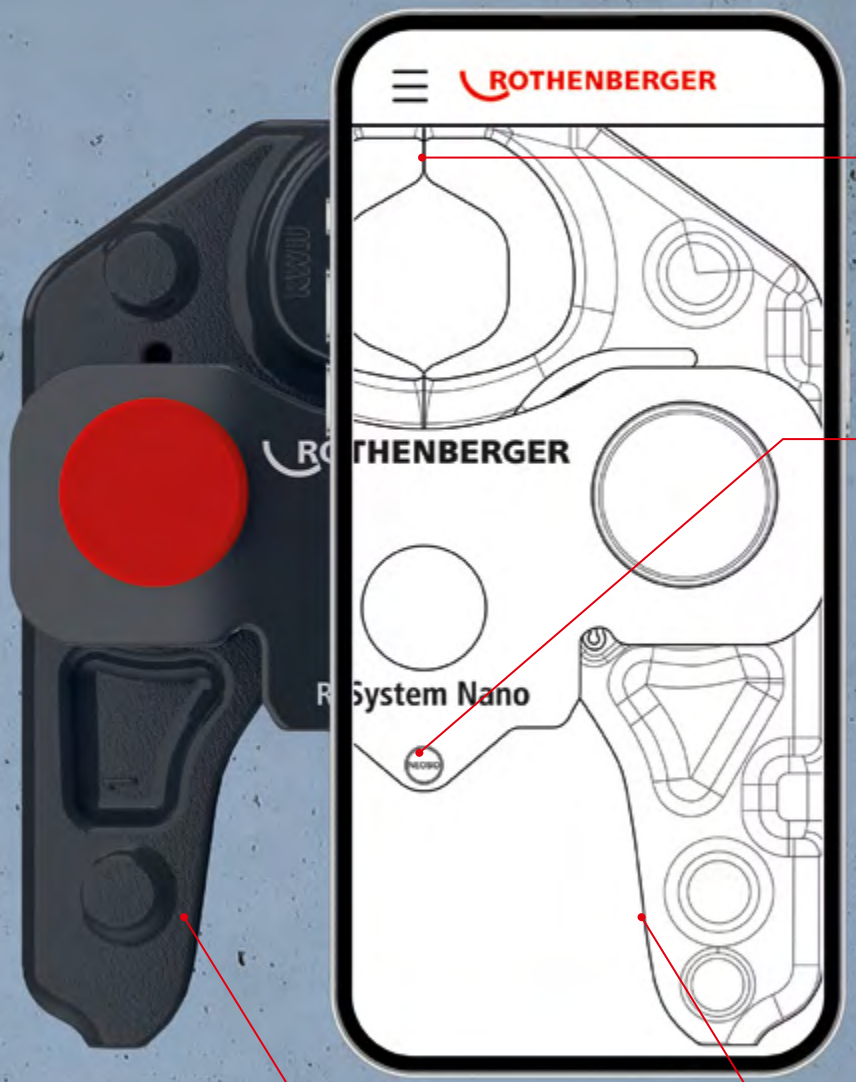
Adapted power flow and less wear and tear

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 142

1) In comparison to previous models

ROMAX NANO
iJAWS



DURA LAZR TEC

Unique, partial laser hardening process from ROTHENBERGER

Nano RFID Chip

Communication between press jaws and machine:

Adjustment of the pressing force to required level

Detection of the press jaw contour used

Detection of the nominal contour width (press jaw diameter)

Registration of the press cycles on the press jaw

Individual press jaw identification

DURA LAZR TEC

Double the service life, half the required maintenance

ROMAX NANO iJAWS

For ROMAX NANO

Smart ROTHENBERGER press jaws in proven material and manufacturing quality for system-compliant pressing of fittings.

Precision manufactured contour

For optimum and safe pressing

Batch numbering and individual testing

Ensuring the high quality standard of material and pressing contour

Registration of the pressing cycles on the press jaw

Early service warnings and reduced risk of leaks

DURA LAZR TEC

100 % longer service life

Smart press jaw

Press jaw optimized in size and weight: approx. 40 % lighter than comparable standard press jaws

Synchronisation mechanism

Enables the press jaw to be opened with one finger

Press force control

Intelligent and infinitely variable adjustment of the pressing force depending on the jaw type

NANO RFID tag

Real-time communication between the pressing jaw and the machine enables clear identification of the pressing jaw

The ROTHENBERGER app allows users to retrieve data from the NANO iJAWS for documentation and maintenance.

Fig. iJAW set TH

Model	Press jaws Ø	Weight	PU	No.
iJAW SV	15 mm	1.075 kg	1	1000050214
iJAW SV	18 mm	1.085 kg	1	1000050216
iJAW SV	22 mm	1.095 kg	1	1000050217
iJAW SV	28 mm	1.295 kg	1	1000050218
iJAW TH	16 mm	1.205 kg	1	1000050245
iJAW TH	20 mm	1.175 kg	1	1000050247
iJAW TH	26 mm	1.325 kg	1	1000050249
iJAW TH	32 mm	1.785 kg	1	1000050250
iJAW U	16 mm	1.075 kg	1	1000050238
iJAW U	20 mm	1.085 kg	1	1000050240

Model	Press jaws Ø	Weight	PU	No.
iJAW U	25 mm	1.325 kg	1	1000050241
iJAW U	32 mm	1.785 kg	1	1000050242
iJAW M	15 mm	1.110 kg	1	1000050226
iJAW M	22 mm	1.320 kg	1	1000050228
iJAW M	28 mm	1.280 kg	1	1000050229
iJAW set SV	15–22–28 mm	5.400 kg	1	1000004939
iJAW set TH	16–20–26 mm	5.400 kg	1	1000004940
iJAW set U	16–20–25 mm	5.400 kg	1	1000004941
iJAW set M	15–22–28 mm	5.923 kg	1	1000004942

Overview pressing tools starting on page 142

Interchangeable press jaw compact

For ROMAX COMPACT III / ROMAX COMPACT TT

ROTHENBERGER interchangeable press jaw for system dependent pressing of plastic fittings Ø 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

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

Batch numbering and individual testing

Secures the high-quality standard of material and press contour

Long-term corrosion protection

Optimum for heavy-duty field operation

Optimum for heavy-duty field operation

Adapted power flow and less wear and tear

Fig. interchangeable inserts set

Model	Inserts Ø	Weight	PU	No.
Interchangeable inserts compact set RFz[1]	16–20–25–32 mm	1.110 kg	1	14849
Interchangeable inserts compact set U[1]	16–20–25–32 mm	1.350 kg	1	14869
Interchangeable inserts compact set TH[1]	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 142

1) Can only be used with interchangeable press jaw No. 1000002134 (sucessor of No. 014880X)

Press jaws standard

For ROMAX NANO, 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 Ø 40 mm (plastic / multilayer) and / or up to Ø 54 mm (metal).

Precision-manufactured contours

For optimum and reliable pressings

DURA LAZR TEC

100 % more press cycles thanks to laser hardening[1]

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

3-bolt synchronised mechanism

Synchronised run of the jaw lever enables the jaw to be opened with just one finger

Permanent bolt

Without potential weak points / no thread n Considerable reduction of the breakage risk n Increased safety

Batch numbering and individual testing

Secures the high-quality standard of material and press contour

Long-term corrosion protection

Optimum for heavy-duty field operation

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 142

1) In comparison to previous models

Press jaws standard 3-elemental

For ROMAX NANO, 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[1]

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

3-bolt synchronised mechanism

Synchronised run of the jaw lever enables the jaw to be opened with just one finger

Permanent bolt

Without potential weak points / no thread n Considerable reduction of the breakage risk n Increased safety

3-elemental system

Easy handling / assembling and optimized power distribution

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

1) In comparison to previous models

Press chains standard

For ROMAX NANO, 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 actuator jaw. For the system conforming pressing of fittings from Ø 42 mm up to Ø 54 mm (metal).

DURA LAZR TEC

100 % more press cycles thanks to laser hardening[1]

Batch numbering and individual testing

Secures the high-quality standard of material and press contour

Fig. press chain SV54

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

Fig. Actuator jaw S1

Long-term corrosion protection

Optimum for heavy-duty field operation

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

Opening of the press chain up to 180° allows assembling even in confined spaces

Closing the press chain

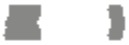
Gripping the press chain with actuator jaw

Press chain sets include: Press chains according to the table, actuator jaw S1 (No.1000001126), ROCASE case system 4212 (No.1000001960)

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 142

1) In comparison to previous models

System	Nominal size	Press jaws compact	Press jaws iJAWS	Interchangeable insert compact Use only in combination with interchangeable jaws (No. 1000002134)	Press jaws standard	Press chains standard Only to be used with actuator jaw S1 (No. 1000001126) for SV, M, Ø 42–54 mm
A	Metal / NE-Metal					
	A1/2″				015222X	
	A3/4″				015223X	
	A1″				015224X	
	A11/4″				015225X	
	A11/2″				015226X	
	A2″				015227X	
M	M12	015151X			015101X	
	M15	015152X	1000050226		015102X	
	M18	015153X			015103X	
	M22	015154X	1000050228		015104X	
	M28	015155X	1000050229		015105X	
	M35	1000002267			015106X	
	M42				1000001273	1000001391
	M54				1000001274	1000001392
V / SV	V/SV12	015261X			015211X	
	V/SV14	015269X			015219X	
	V/SV15	015262X	1000050214		015212X	
	V/SV16	015260X			015220X	
	V/SV18	015263X	1000050216		015213X	
	V/SV22	015264X	1000050217		015214X	
	V/SV28	015265X	1000050218		015215X	
	V/SV35	1000002266			015216X	
	V/SV42				015217X	1000001393
	V/SV54				015218X	1000001394
R(H)	PEX / Multilayer					
	R12			14863	015339X	
	R14	015370X			015330X	
	R16	015371X		14865	015331X	
	R17	015378X			015333X	
	R18	015379X			015334X	
	R20	015374X		14868	015335X	
	R25	015380X			015338X	
	R26	015376X		14708	015336X	
	R32	015377X			015337X	
Rfz	Rfz12			14822	1000000173	
	Rfz16	015180X		14823	015161X	
	Rfz18			1000000124		
	Rfz20	015181X		14824	015162X	
	Rfz25	015182X		14825	015163X	
	Rfz26			1000000125		
	Rfz32	015183X		14826	015164X	
TH	TH14	015395X		14708	015321X	
	TH16	015385X	1000050245	14843	015322X	
	TH18	015398X		14844	015323X	
	TH20	015389X	1000050247	14845	015324X	
	TH25	015399X		14846	015325X	
	TH26	015391X	1000050249	14847	015326X	
	TH32	015393X	1000050250	14848	015327X	
	TH40	015401X			015328X	
	TH50				1000001810	
	TH63				1000001811	
THG	THG32	1000000236			1000000235	
THT	THT32	1000004620			015329X	

5

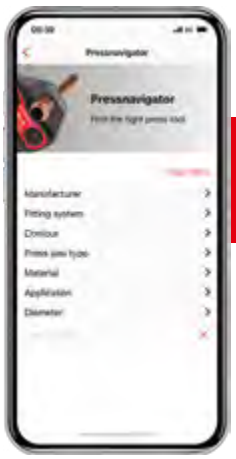
System	Nominal size	Press jaws compact	Press jaws iJAWS	Interchangeable insert compact Use only in combination with interchangeable jaws (No. 1000002134)	Press jaws standard	Press chains standard Only to be used with actuator jaw ZB S1 (No. 1000001126) for SV, M, TH Ø 40, 42, 50, 63 mm
U	PEX / Multilayer					
	U14	015351X		14832	015311X	
	U16	015352X	1000050238	14833	015312X	
	U18	015353X		14834	015313X	
	U20	015354X	1000050240	14835	015314X	
	U25	015355X	1000050241	14836	015315X	
	U32	015357X	1000050242	14838	015317X	
	U40	015358X			015318X	
	U50					
	U63					
	U75					
	U90					
	U110					
RC	RC26	015277X		14837	015271X	
VP	VP14	015530X		14882	015230X	
	VP16	015531X		14883	015231X	
	VP20	015532X		14884	015232X	
	VP25	015533X		14885	015233X	
	VP32	015534X		14886	015234X	
BE	BE16	015291X			015392X	
	BE20	015292X			015394X	
	BE26	015293X			015396X	
	BE32	015294X			015397X	
CO	CO12			14852		
	CO16			14853		
	CO20			14854		
	CO25			14855		
G	G16	015362X			015302X	
	G20	015364X			015304X	
	G26	015366X			015306X	
	G32	015367X			015307X	
	G40	015368X			015308X	
HA	HA16	015580X			015280X	
	HA20	015581X			015281X	
	HA26	015582X			015282X	
	HA32	015583X			015283X	
	HA40				015284X	

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.



App for smartphone and tablet
For easy verification of the compatability of press tools.
Available for iOS and Android!

App Store

Google Play

Press Tool Approval List (Jaws, Rings, Slings, Inserts)

A

ANPRO EN Series Stainless Steel, Carbon Steel

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
SV15	15262X	1000050214	15212X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	15217X	1000001393	–	–
SV54	–	–	15218X	1000001394	–	–

APE Raccordie

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847

B

Bampi BALPEX (Serie MP)

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

Bampi BALPEX Gas

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847

BEGETUBE

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
BE16	015291X	–	015392X	–	–	–
BE20	015292X	–	015394X	–	–	–
BE26	015293X	–	015396X	–	–	–
BE32	015294X	–	015397X	–	–	–

Blansol Sistema Easypress

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
RFz12	–	–	1000000173	–	–	14822
RFz16	15180X	–	15161X	–	–	14823
RFz20	15181X	–	15162X	–	–	14824
RFz25	15182X	–	15163X	–	–	14825
RFz32	15183X	–	15164X	–	–	14826

Blansol Sistema Multipex

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R16	15371X	–	15331X	–	–	14865
R20	15374X	–	15335X	–	–	14868
R25	15380X	–	15338X	–	–	–
R32	15377X	–	15337X	–	–	–
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

Bonomi Turbo Press, Turbo Press Gas (Rubinetterie Bresciane)

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

Bonomi Turbo Press Steel, Turbo Press INOX (Rubinetterie Bresciane)

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M15	–	–	15102X	–	–	–
M18	–	–	15103X	–	–	–
M22	–	–	15104X	–	–	–
M28	–	–	15105X	–	–	–
M35	–	–	15106X	–	–	–
M42	–	–	1000001273	–	–	–
M54	–	–	1000001274	–	–	–

Broen Ballofix Pres

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M12	15151X	–	15101X	–	–	–
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–

C

Chibro Adduzione, Gas, Como Galvinized

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–

Chibro Cunipress, Riscaldamento

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–

CIMBERIO Cimpress

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–

CO.E.S. Coesklima

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	–	14833
U18	15353X	–	15313X	–	–	14834
U20	15354X	1000050240	15314X	–	–	14835
U25	15355X	1000050241	15315X	–	–	14836
U32	15357X	1000050242	15317X	–	–	14838
U40	15358X	–	15318X	–	–	–

COMAP Skin Press

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
CO12	–	–	–	–	–	14852
CO16	–	–	–	–	–	14853
CO20	–	–	–	–	–	14854
CO25	–	–	–	–	–	14855
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	1000003928	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	1000003931	14845
TH26	15391X	1000050249	15326X	–	1000003933	14847
TH32	15393X	1000050250	15327X	–	1000003934	14848
TH40	15401X	–	15328X	–	–	–

Errors & Omissions excepted (E&OE) / Jaw Compatibility is only ensured when Fitting Manufacturer's Instructions will be fully met during installation process

Status: Q4 2024

Comisa Multi Layer Pipe

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

CONEL INOX

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–
M42	–	–	–	1000001391	–	–
M54	–	–	–	1000001392	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	–	1000001393	–	–
SV54	–	–	–	1000001394	–	–

CONEL Connect MV2

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	–
TH20	15389X	1000050247	15324X	–	–	–
TH26	15391X	1000050249	15326X	–	–	–
TH32	15393X	1000050250	15327X	–	–	–

Conex Bänninger >B< Press / >B<Press Gas / Carbon / INOX / Solar

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
(S)V12	15261X	–	15211X	–	–	–
SV14	15269X	–	15219X	–	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV16	15260X	–	15220X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	15217X	–	–	–
SV54	–	–	15218X	–	–	–

Conex Bänninger >B< MaxiPro

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
1/4″	1000001749	–	1000001889	–	1000003610	–
3/8″	1000001750	–	1000001890	–	1000003611	–
1/2″	1000001751	–	1000001891	–	1000003612	–
5/8″	1000001752	–	1000001892	–	1000003613	–
3/4″	1000001753	–	1000001893	–	1000003614	–
7/8″	1000001754	–	1000001894	–	1000003615	–
1″	1000001755	–	1000001895	–	1000003616	–
1.1/8″	1000001756	–	1000001896	–	1000003617	–
1.3/8″	–	–	1000002943	1000004601	–	–

D

DALPEX LaserMulti

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

E

Emmeti Gerpex

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847

EMPUR PEXPRESS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847

Eurotherm, MULTISTRATO, Euro 2000

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847

Eurotubi Pressfitting System

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–

F

F.B.Q BARONIO BQ pres

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
SV14	15269X	–	15219X	–	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV16	15260X	–	15220X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	15217X	–	–	–
SV54	–	–	15218X	–	–	–

Frabo Frabopress C Steel, 316

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
(S)V12	15261X	–	15211X	–	–	–
SV14	15269X	–	15219X	–	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV16	15260X	–	15220X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	15217X	1000001393	–	–
SV54	–	–	15218X	1000001394	–	–

Frabo MULTI-BRASS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
U16	15352X	1000050238	15312X	–	–	14833
U20	15354X	1000050240	15314X	–	–	14835
U32	15357X	1000050242	15317X	–	–	14838
RC26	15277X	–	15271X	–	–	14837

FRÄNKISCHE ALPEX F50

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R16	15371X	–	15331X	–	–	14865
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	–
TH16	15385X	1000050245	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
U16	15352X	1000050238	15312X	–	1000003937	14833
U20	15354X	1000050240	15314X	–	1000003939	14835
U25	15355X	1000050241	15315X	–	1000003940	14836
U32	15357X	1000050242	15317X	–	1000003941	14838
VP16	15531X	–	15231X	–	–	14883
VP20	15532X	–	15232X	–	–	14884
VP25	15533X	–	15233X	–	–	14885
VP32	15534X	–	15234X	–	–	14886

Errors & Omissions excepted (E&OE) / Jaw Compatibility is only ensured when Fitting Manufacturer's Instructions will be fully met during installation process

Status: Q4 2024

G

GABO Gabopress H + 5

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH25	15399X	–	15325X	–	–	14846
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

GAROS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848

GEBERIT Mapress GAS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M12	15151X	–	15101X	–	–	–
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–

GEBERIT Mapress, Copper / Carbon Steel / Stainless

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M12	15151X	–	15101X	–	1000003872	–
M15	15152X	–	15102X	–	1000003874	–
M18	15153X	–	15103X	–	1000003882	–
M22	15154X	–	15104X	–	1000003883	–
M28	15155X	–	15105X	–	1000003884	–
M35	1000002267	–	15106X	–	1000003885	–
M42	–	–	1000001273	1000001391	–	–
M54	–	–	1000001274	1000001392	–	–

GEBERIT Mepla

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
G16	15362X	–	15302X	–	–	–
G20	15364X	–	15304X	–	–	–
G26	15366X	–	15306X	–	–	–
G32	15367X	–	15307X	–	–	–
G40	15368X	–	15308X	–	–	–

General Fittings

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	015385X	1000050245	015322X	–	–	14843
TH18	015398X	–	015323X	–	–	14844
TH20	015389X	1000050247	015324X	–	–	14845
TH26	015391X	1000050249	015326X	–	–	14847
TH40	015401X	–	015328X	–	–	–
THT32	015393H	–	015329X	–	–	–

Giacomini RM Series

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	1000003928	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	1000003931	14845
TH26	15391X	1000050249	15326X	–	1000003933	14847
TH32	–	–	–	–	1000003934	–
THG32	1000000236	–	1000000235	–	–	–

H

HAKA Fimisol / HAKAP-RES / HAKA / GERODUR

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R14	15370X	–	15330X	–	–	14864
R16	15371X	–	15331X	–	–	14865
R17	15378X	–	15333X	–	–	–
R18	15379X	–	15334X	–	–	–
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	–
U40	15358X	–	15318X	–	–	–

Harden 2000, Polyplex 2000

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
THT32	15393H	–	15329X	–	–	–

Henco PVDF

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847

Herz pipefix

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH25	15399X	–	15325X	–	–	14846
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

HIDROTEC KLIMATEC

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	–	14833
U18	15353X	–	15313X	–	–	14834
U20	15354X	1000050240	15314X	–	–	14835
U25	15355X	1000050241	15315X	–	–	14836
U32	15357X	1000050242	15317X	–	–	14838

Hitec Sistema Multistrato

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848

I

IPA IPANA-PRES

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH25	15399X	–	15325X	–	–	14846
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

IPALPEX

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH40	15401X	–	15328X	–	–	–
THT32	15393H	–	15329X	–	–	–

IVAR MP / MPG (Gas) / MPL / PMP / PMPL

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R16	15371X	–	15331X	–	–	14865
R18[1]	15379X	–	15334X	–	–	–
R20	15374X	–	15335X	–	–	14868
R25[1]	15380X	–	15338X	–	–	–
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	–
TH16	15385X	1000050245	15322X	–	–	14843

Errors & Omissions excepted (E&OE) / Jaw Compatibility is only ensured when Fitting Manufacturer's Instructions will be fully met during installation process

1) Only Multi-Press (MP) / Plastic Multi-Press (PMP)

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TH18[1]	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH25[1]	15399X	–	15325X	–	–	14846
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40[1]	15401X	–	15328X	–	–	–
TH50[1]	–	–	1000001810	–	–	–
TH63[1]	–	–	1000001811	–	–	–
U16	15352X	1000050238	15312X	–	–	14833
U18	15353X	–	15313X	–	–	14834
U20	15354X	1000050240	15314X	–	–	14835
U25[1]	15355X	1000050241	15315X	–	–	14836
U32	15357X	1000050242	15317X	–	–	14838
U40	15358X	–	15318X	–	–	–
U50[1]	–	–	1000001812	–	–	–
U63[1]	–	–	1000001813	–	–	–

J

Jaraflex-Presssystem

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R14	15370X	–	15330X	–	–	14864
R16	15371X	–	15331X	–	–	14865
R17	15378X	–	15333X	–	–	–
R18	15379X	–	15334X	–	–	–
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	–
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

Jupiter, Heizsysteme

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	–	14833
U20	15354X	1000050240	15314X	–	–	14835
U25	15355X	1000050241	15315X	–	–	14836
U32	15357X	1000050242	15317X	–	–	14838
U40	15358X	–	15318X	–	–	–

K

KE KELIT KELOX

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	–	14833
U20	15354X	1000050240	15314X	–	–	14835
U25	15355X	1000050241	15315X	–	–	14836
U32	15357X	1000050242	15317X	–	–	14838

KOHLER, InoxPress

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–

L

LAVAGRUND, LAVAPRESS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

M

Mair Heiztechnik, Gomafix

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R14	15370X	–	15330X	–	–	14864
R16	15371X	–	15331X	–	–	14865
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	–

Mark KG, polymark

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848

MEGARO, HAKAPRESS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R14	15370X	–	15330X	–	–	14864
R16	15371X	–	15331X	–	–	14865
R17	15378X	–	15333X	–	–	–
R18	15379X	–	15334X	–	–	–
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	–
U40	15358X	–	15318X	–	–	–

MULTITHERM PRESSSYSTEM

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847

Multitubo

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
THG32	1000000236	–	1000000235	–	–	–

N

NEUTHERM, MEKUPRESS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R16	15371X	–	15331X	–	–	14865
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	–
U40	15358X	–	15318X	–	–	–

Nupi MultiNupi

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	–	14833
U18	15353X	–	15313X	–	–	14834
U20	15354X	1000050240	15314X	–	–	14835
U32	15357X	1000050242	15317X	–	–	14838
U40	15358X	–	15318X	–	–	–
RC26	15277X	–	15271X	–	–	14837

Nussbaum Cupress, Optipress

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
SV15	15262X	1000050214	15212X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	15217X	–	–	–
SV54	–	–	15218X	–	–	–

Nussbaum CupressG

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
SV15	15262X	1000050214	15212X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–

Nussbaum, Optiflex Plus

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
VP14	15530X	–	15230X	–	–	14882
VP16	15531X	–	15231X	–	–	14883
VP20	15532X	–	15232X	–	–	14884
VP25	15533X	–	15233X	–	–	14885
VP32	15534X	–	15234X	–	–	14886

Errors & Omissions excepted (E&OE) / Jaw Compatibility is only ensured when Fitting Manufacturer's Instructions will be fully met during installation process

Status: Q4 2024

1) Only Multi-Press (MP) / Plastic Multi-Press (PMP)

O

Oventrop, Cofit

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
HA16	15580X	–	15208X	–	–	–
HA20	15581X	–	15281X	–	–	–
HA26	15582X	–	15282X	–	–	–
HA32	15583X	–	15283X	–	–	–
HA40	–	–	15284X	–	–	–

P

PIPELIFE RADOPRESS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

Pipetec

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	–	–	015312X	–	–	–
U20	–	–	015314X	–	–	–
U25	–	–	015315X	–	–	–
U32	–	–	015317X	–	–	–
TH16	015385X	1000050245	015322X	–	–	14843
TH20	015389X	1000050247	015324X	–	–	14845
TH26	015391X	1000050249	015326X	–	–	14847
TH32	015393X	1000050250	015327X	–	–	14848
TH40	015401X	–	015328X	–	–	–
TH50	–	–	1000001810	–	–	–
TH63	–	–	1000001811	–	–	–

POLYSAN Press-System

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

Prandelli, MULTYRAMA

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R14	15370X	–	15330X	–	–	14864
R16	15371X	–	15331X	–	–	14865
R18	15379X	–	15334X	–	–	14867
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	14709
U40	15358X	–	15318X	–	–	–

R

Raccorderie Metalliche Aespress, Steelpress, Inoxpress, Inoxpress GAS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M12	15151X	–	15101X	–	–	–
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–

RIQUIERA A SERTIR

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
RFz12	–	–	1000000173	–	–	14822
RFz16	15180X	–	15161X	–	–	14823
RFz20	15181X	–	15162X	–	–	14824
RFz25	15182X	–	15163X	–	–	14825

ROTH SISTEMA ROTHA-PRESS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH25	15399X	–	15325X	–	–	14846

ROTH Alu-Laserplus

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R14	15370X	–	15330X	–	–	14864
R17	15378X	–	15333X	–	–	14866
R20	15374X	–	15335X	–	–	14868
R25	15380X	–	15338X	–	–	14707
R32	15377X	–	15337X	–	–	14709

S

SANHA NiroSan Serie 9000, 17000 Gas, 18000, 19000

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M12	15151X	–	15101X	–	–	–
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–
(S)V12	15261X	–	15211X	–	–	–
SV14	15269X	–	15219X	–	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	15217X	–	–	–
SV54	–	–	15218X	–	–	–

SANHA Press Serie 10000, 11000 Gas, 12000, 13000

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M12	15151X	–	15101X	–	–	–
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–
(S)V12	15261X	–	15211X	–	–	–
SV14	15269X	–	15219X	–	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	15217X	–	–	–
SV54	–	–	15218X	–	–	–

SANHA PURAPRESS Serie 8000

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M12	15151X	–	15101X	–	–	–
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–
(S)V12	15261X	–	15211X	–	–	–
SV14	15269X	–	15219X	–	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	15217X	–	–	–
SV54	–	–	15218X	–	–	–

SANHA-NiroSan-Presssystem Chronimo

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–

Errors & Omissions excepted (E&OE) / Jaw Compatibility is only ensured when Fitting Manufacturer's Instructions will be fully met during installation process

Status: Q4 2024

SV42	–	–	15217X	–	–	–
SV54	–	–	15218X	–	–	–

Simplex SiRoCon Cu / E

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M12	15151X	–	15101X	–	–	–
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–

Simplex SiRoCon PPSU H

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R16	15371X	–	15331X	–	–	14865
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	14709

Simplex SiRoCon PPSU TH

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15285X	–	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848

SST-Rolltec Delphi-Press, STS Systemtechnik

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15285X	–	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

T

THERMOVAL, THERMOSMART

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15285X	–	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
THT32	15393H	–	15329X	–	–	–

Tiemme, Cobrapress

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15285X	–	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
THT32	15393H	–	15329X	–	–	–
TH40	15401X	–	15328X	–	–	–

Tradesa Serie 700

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH25	15399X	–	15325X	–	–	14846
TH32	15393X	1000050250	15327X	–	–	14848

U

Ulrich VARIOFLEX HAKA-PRESS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R14	15370X	–	15330X	–	–	14864
R16	15371X	–	15331X	–	–	14865
R17	15378X	–	15333X	–	–	14866
R18	15379X	–	15334X	–	–	14867
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	14709

UPONOR UNIPIPE, UNI-CORE, Airpipe

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	–	14833
U18	15353X	–	15313X	–	–	14834
U20	15354X	1000050240	15314X	–	–	14835
U25	15355X	1000050241	15315X	–	–	14836
U32	15357X	1000050242	15317X	–	–	14838
U40	15358X	–	15318X	–	–	–

UPONOR S-Press PLUS / S-Press PLUS (PPSU)

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	1000003937	14833
U20	15354X	1000050240	15314X	–	1000003939	14835
U25	15355X	1000050241	15315X	–	1000003940	14836
U32	15357X	1000050242	15317X	–	1000003941	14838

V

Valsir PEXAL

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R14	15370X	–	15330X	–	–	14864
R16	15371X	–	15331X	–	–	14865
R18	15379X	–	15334X	–	–	14867
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	14709
U40	15358X	–	15318X	–	–	–

Vescal, Metalplast

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	–	14833
U18	15353X	–	15313X	–	–	14834
U20	15354X	1000050240	15314X	–	–	14835
U25	15355X	1000050241	15315X	–	–	14836
U32	15357X	1000050242	15317X	–	–	14838
U40	15358X	–	15318X	–	–	–

Viega Profipress GAS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
(S)V12	15261X	–	15211X	–	–	–
SV14	15269X	–	15219X	–	–	–
SV15	15262X	1000050214	15212X	–	–	–
SV16	15260X	–	15220X	–	–	–
SV18	15263X	1000050216	15213X	–	–	–
SV22	15264X	1000050217	15214X	–	–	–
SV28	15265X	1000050218	15215X	–	–	–
SV35	1000002266	–	15216X	–	–	–
SV42	–	–	15217X	1000001393	–	–
SV54	–	–	15218X	1000001394	–	–

Viega Profipress, Prestabo, Sanpress, Sanpress INOX

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
(S)V12	15261X	–	15211X	–	1000003972	–
SV14	15269X	–	15219X	–	–	–
SV15	15262X	1000050214	15212X	–	1000003874	–
SV16	15260X	–	15220X	–	–	–
SV18	15263X	1000050216	15213X	–	1000003876	–
SV22	15264X	1000050217	15214X	–	1000003877	–
SV28	15265X	1000050218	15215X	–	1000003878	–
SV35	1000002266	–	15216X	–	1000003879	–
SV42	–	–	15217X	1000001393	–	–
SV54	–	–	15218X	1000001394	–	–

Viega Sanfix FOSTA, P, PLUS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
VP14	15530X	–	15230X	–	–	14882
VP16	15531X	–	15231X	–	–	14883
VP20	15532X	–	15232X	–	–	14884
VP25	15533X	–	15233X	–	–	14885
VP32	15534X	–	15234X	–	–	14886

Viessmann

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15285X	–	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845

TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

VSH X-Press Copper / Carbon Steel / Stainless

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
M12	15151X	–	15101X	–	–	–
M15	15152X	–	15102X	–	–	–
M18	15153X	–	15103X	–	–	–
M22	15154X	–	15104X	–	–	–
M28	15155X	–	15105X	–	–	–
M35	1000002267	–	15106X	–	–	–
M42	–	–	1000001273	–	–	–
M54	–	–	1000001274	1000001392	–	–

VSH SudoPress Copper / Carbon Steel / Stainless

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
(S)V12	15261X	–	15211X	–	1000003972	–
SV15	15262X	1000050214	15212X	–	1000003874	–
SV18	15263X	1000050216	15213X	–	1000003876	–
SV22	15264X	1000050217	15214X	–	1000003877	–
SV28	15265X	1000050218	15215X	–	1000003878	–
SV35	1000002266	–	15216X	–	1000003879	–
SV42	–	–	15217X	–	–	–
SV54	–	–	15218X	–	–	–

VSH Skin Press

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH40	15401X	–	15328X	–	–	–
THT32	15393H	–	15329X	–	–	–

VSH Skin Press PPSU, Skin Press Gas

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
HA20	15581X	–	15281X	–	–	–
HA26	15582X	–	15282X	–	–	–
HA32	15583X	–	15283X	–	–	–
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847

W

Watts MTR Art press

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH16	15385X	1000050245	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848

Wavin Aquatecnic Tigris

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	–	14833
U20	15354X	1000050240	15314X	–	–	14835
U25	15355X	1000050241	15315X	–	–	14836
U32	15357X	1000050242	15317X	–	–	14838

Wavin FUTURE 1/2, TIGRIS Alupex / Blue

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
U16	15352X	1000050238	15312X	–	–	14833
U18	15353X	–	15313X	–	–	14834
U20	15354X	1000050240	15314X	–	–	14835
U25	15355X	1000050241	15315X	–	–	14836
U32	15357X	1000050242	15317X	–	–	14838

WEFA PLASTIC, WEFA PRESS

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
R16	15371X	–	15331X	–	–	14865
R20	15374X	–	15335X	–	–	14868
R26	15376X	–	15336X	–	–	14708
R32	15377X	–	15337X	–	–	14709

Winkler

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH18	15398X	–	15323X	–	–	14844
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

WKS-Press

PROFILE	COMPACT	iJAW	STANDARD	SLINGS	PRESS RINGS	IC-INSERTS
TH14	15395X	–	15321X	–	–	14842
TH16	15385X	1000050245	15322X	–	–	14843
TH20	15389X	1000050247	15324X	–	–	14845
TH26	15391X	1000050249	15326X	–	–	14847
TH32	15393X	1000050250	15327X	–	–	14848
TH40	15401X	–	15328X	–	–	–

Errors & Omissions excepted (E&OE) / Jaw Compatibility is only ensured when Fitting Manufacturer's Instructions will be fully met during installation process

For highest quality: We operate the largest test laboratory in the industry.

ROTHENBERGER

Threading and grooving

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Threader manual

	SUPER CUT	SANI KIT
Operation mode	Handed / manual	Handed / manual
Working range	Ø 1/4–2″	Ø 1/2–1″
Handle	up to 3 pcs.	2 pcs
Thread type	BSPT R, BSW, NPT	BSPT R, NPT
Number of die heads	up to 7 pcs.	3 pcs.
Page	**156**	**158**

6

Threader electric

	SUPERTRONIC 1250	SUPERTRONIC 2000 E	SUPERTRONIC 2000
Operation mode	Handed / electric	Handed / electric	Handed / electric
Working range	Ø 1/4–1. 1/4″	Ø 1/4–2″	Ø 1/4–2″
Thread type	BSPT R, NPT	BSPT R, NPT	BSPT R, NPT
Number of die heads	4 pcs.	6 pcs.	6 pcs.
Power	750 W	○	1,010 W
Page	**160**	**162**	**164**

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 1/4–3″	Ø 1/4–4″
Thread type	BSPP, BSPT R, NPT	BSPP, BSPT R, NPT	BSPP, BSPT R, NPT	BSPP, BSPT R, 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
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6

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	○	○	optional
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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 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

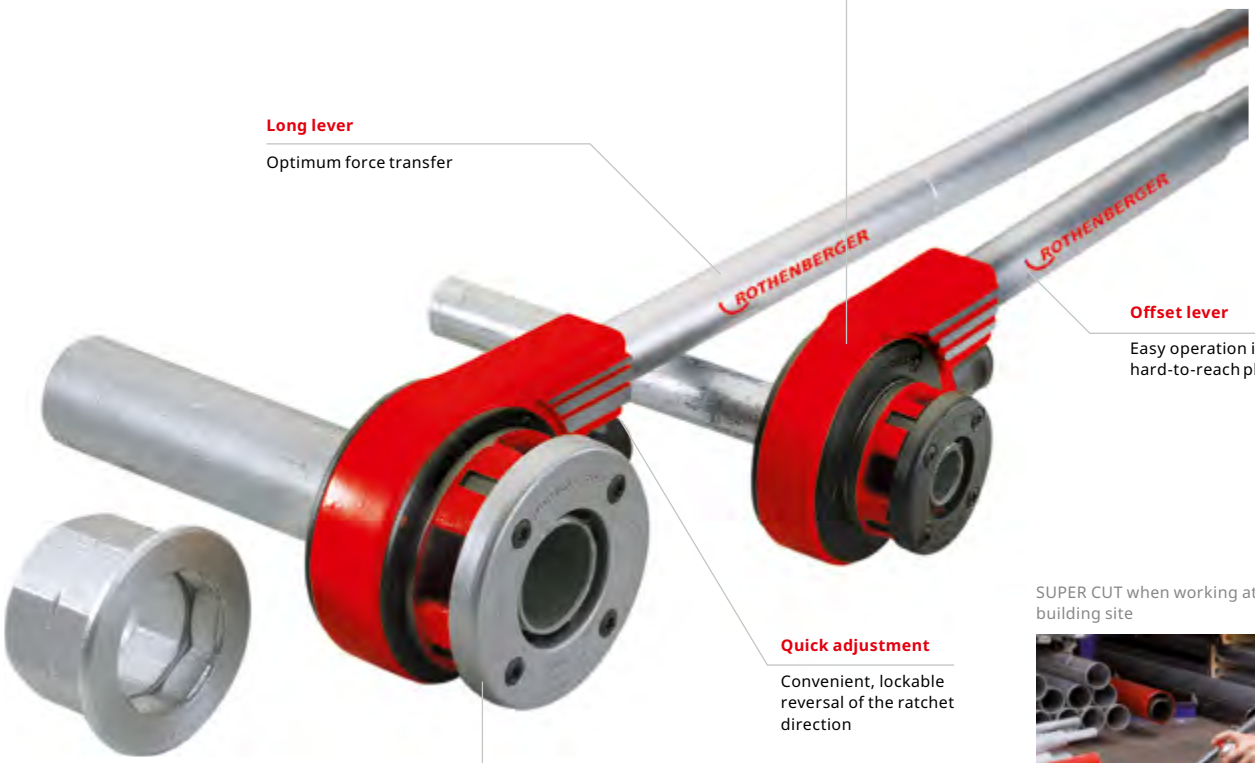
Positive octagonal universal drive with retainer locking

Fits all ROTHENBERGER manual and power threaders

Simple insertion and removal of the die heads

Long lever

Optimum force transfer



Offset lever

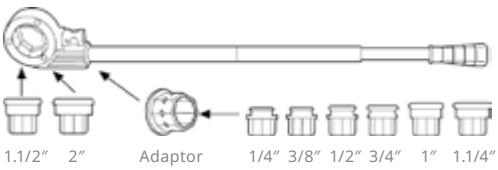
Easy operation in hard-to-reach place

Quick adjustment

Convenient, lockable reversal of the ratchet direction

Made of high quality tempered steel

Extremely long service life



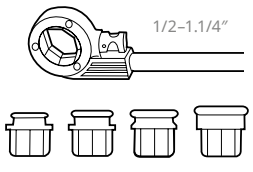
SUPER CUT when working at the building site

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)



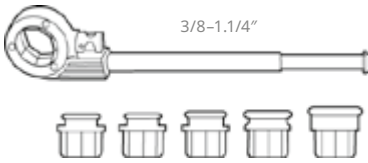
Lever arm No. 6240021

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[1]
NPT, 1/2–3/4–1–1.1/4″	5.450 kg	1	070901X[1]

SUPER CUT sets 3/8–1.1/4″

With ratchet handle (small octagonal drive, No. 070840X) and die heads in ROCASE 4414 (No. 1300003541)

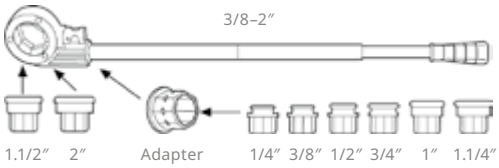


Lever arm No. 6000021

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

Model	Weight	PU	No,
BSPT R, 1–1.1/4–1.1/2–2″	9.820 kg	1	070894X
NPT, 3/8–1/2–3/4–1–1.1/4–1.1/2–2″	11.400 kg	1	070904X
NPT, 1/2–3/4–1–1.1/4–1.1/2–2″	10.800 kg	1	070905X

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Ratchet pipe deburrer 1/4–2″	173

1) in ROCASE 4414 (No. 1300003541)

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″

The ideal installation set!

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

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″

Precise thread cutting to approved standards

Water pump pliers type SP

With heavy duty box joint, chrome vanadium steel, drop-forged and tempered

Long service life

Polished head and joint

Firm grip even with heavy-duty use

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

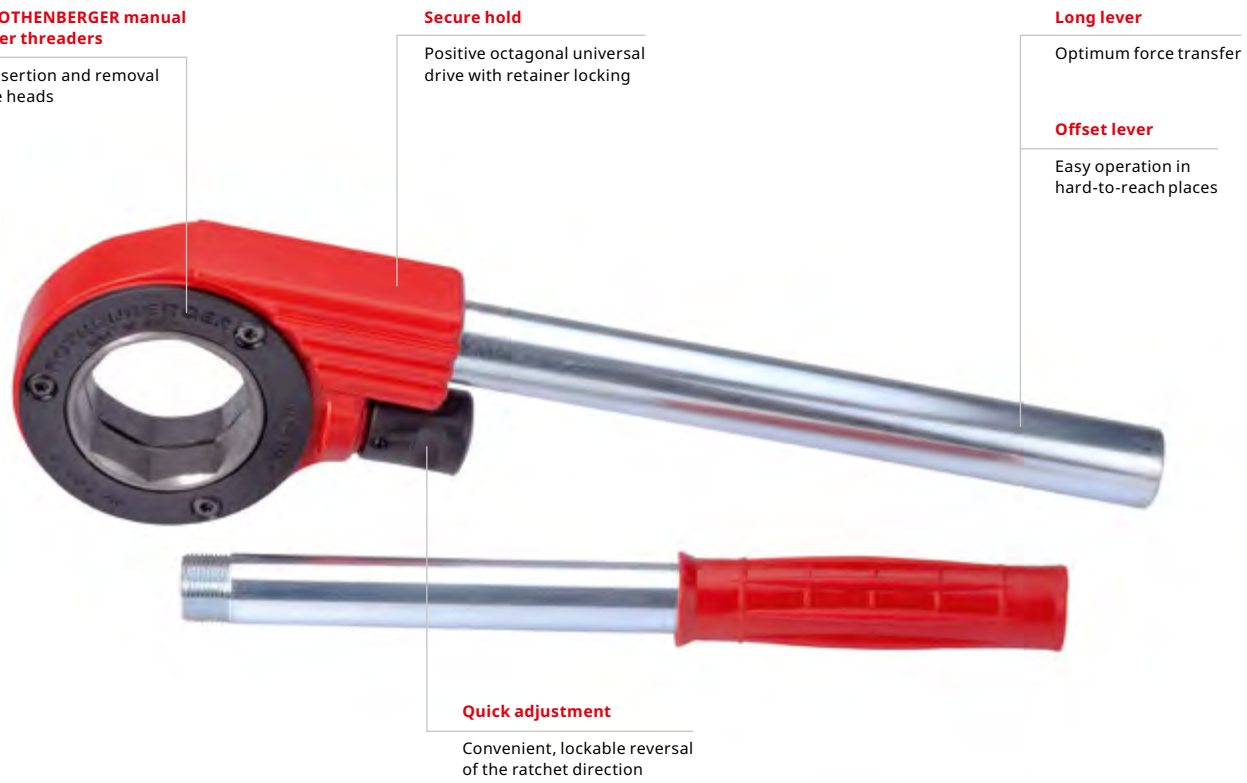
Ratchet arm for SUPER CUT

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

Ratchet handle
No. 71272

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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

Technical data

Working area	Ø 1/4–1.1/4″
Cutting speed	15–20 rpm
Sound pressure level	92 dB
Sound power level (LwA)	103 dB
Power consumption	750 W
Rapid reverse speed	27 rpm
Vibration	1.02 m/s²
Thread type	BSPT R, NPT

Aluminum housing
Robust and lightweight for heavy-duty use

Compact housing unit
Gear housing with favorable corner dimension

Electric reverse
Weight reduction and easy handling

Suitable for construction site, due to small head shape (11 cm)
Ideal for hard-to-reach places (corners and manholes)

5-axis helical gearbox
Higher power transmission, smoothness and durability

Glass fiber reinforced plastic motor housing
Durable, stable and long lasting

Ideal for portable operation due to its compact design and weight of only 4.9 kg

Small head shape (11 cm)

Pipe roughing

RO SERVICE+ only valid in participating countries.

SUPERTRONIC 1250 sets

Small—Fast—Light

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)

Pipe clamp

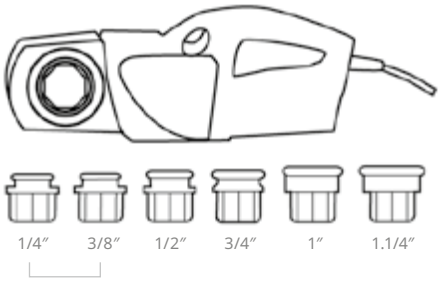
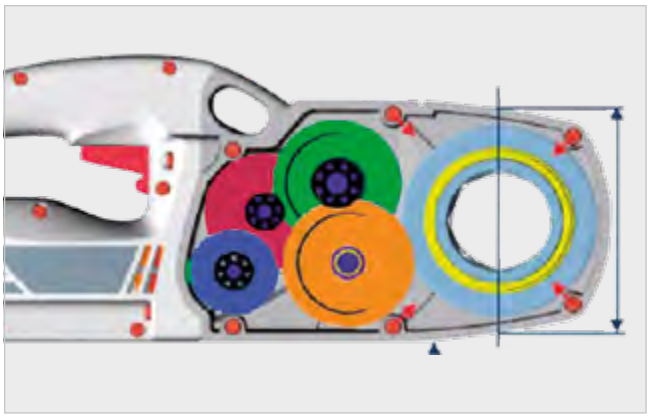


Fig. SUPERTRONIC 1250 set (No. 71450)

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 torque



Portable, fast and easy steel pipe processing

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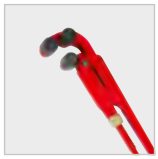


SUPERTRONIC 2000 E

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

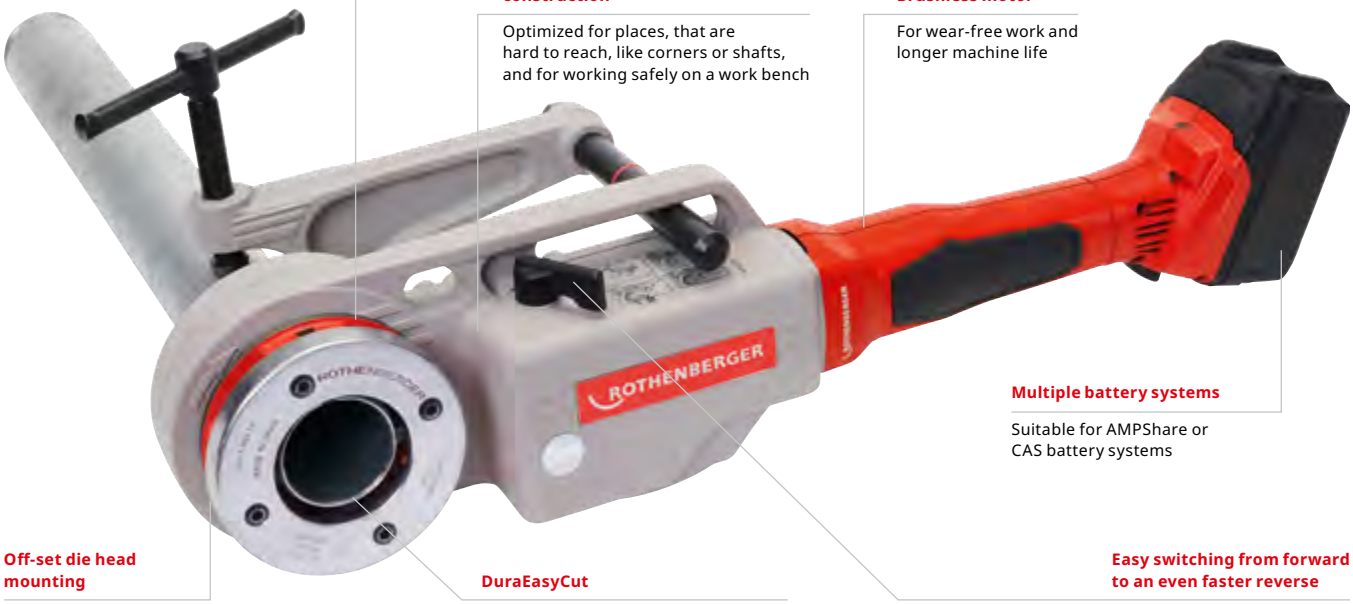
Working area	Ø 1/4–2″ (13–60 mm)
System battery	CAS or AMPShare
Cutting speed	15–25 rpm
Sound pressure level	87 dB
Sound power level (LwA)	100 dB
Rapid reverse speed	58 rpm

Available in the manufacturer-independent battery systems AMPShare—Powered by Bosch or CAS—Cordless Alliance System

Toolless Speed-Lock die head mounting
For a fast and fixed connection

Compact and rectangular construction
Optimized for places, that are hard to reach, like corners or shafts, and for working safely on a work bench

Brushless motor
For wear-free work and longer machine life



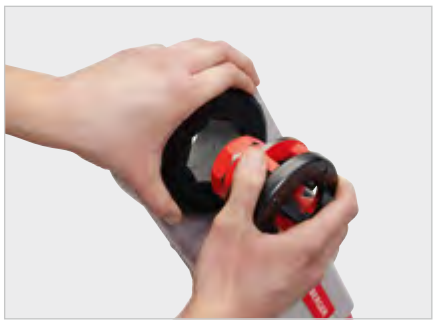
Multiple battery systems
Suitable for AMPShare or CAS battery systems

Off-set die head mounting
Threading possible even close to walls

DuraEasyCut
Optimized geometry for reduced effort for person and machine

Easy switching from forward to an even faster reverse
For working more efficiently

Easy insertion of the die head with tension locking ring



Compatible with with rolling groover ROGROOVER 1–6″

Work in confined spaces

RO SERVICE+ only valid in participating countries.

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 be used with adaptor No. 1300001365 as a drive for our roll grooving unit!

Fig. SUPERTRONIC 2000 E set (No. 1000003387)

Pipe clamp

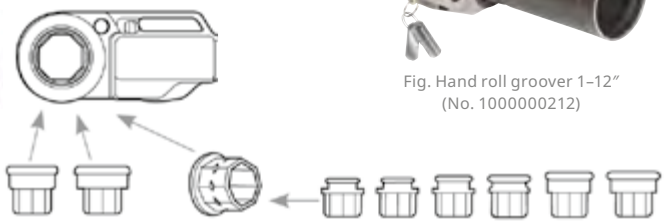


Fig. Hand roll groover 1–12″ (No. 1000000212)

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 1/2–3/4–1–1.1/4–1.1/2–2″	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
SUPERTRONIC 2000 E set with pipe clamp, 8 Ah battery, charger, BSPT R 1/2–3/4–1–1.1/4–1.1/2–2″	18.100 kg	1	1000004986	1000004985

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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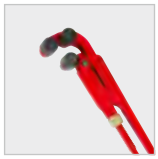

SUPERTRONIC 2000

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

Technical data

Working area	Ø 1/4–2″
Cutting speed	15–25 rpm
Sound pressure level	100 dB
Sound power level (LwA)	87 dB
Power consumption	1,010 W
Rapid reverse speed	58 rpm
Vibration	3.02 m/s²
Thread type	BSPT R, NPT

Hardened, interlocking prism pipe clamp
Secure grip in both turning directions

Large mechanism for switching directions
User-friendly work

Strong 1,010 W motor, double insulated with VDE and CEE, interference free
Universal motor for reliable, professional long-term use

1,010 W universal motor
Low energy consumption

Compact gear housing
Ideal for confined spaces

Direct seating with tension ring locking
Die heads are held firmly in place

Off-set die head mounting
Threading possible even close to walls

Performance: 1,010 W!

Easy insertion of the die heads

Use with roll grooving tool ROGROOVER

ROFIX adaptor (No. 71271)

High reduction gears

RO SERVICE+ only valid in participating countries.

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!

RO CASE

Pipe clamp

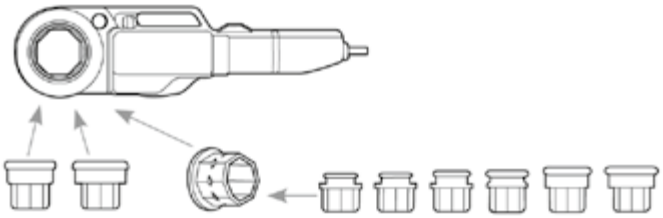

Fig. SUPERTRONIC 2000 set (No. 71257)

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

Work in confined spaces

Die heads with the tripod universal workbench

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Threading die head for SUPERCUT and SUPERTRONIC 1250 / 2000 E / 2000

Precision die head up to Ø 2″ for the production of precise and standardized thread connections according to EN 10226

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

Big chamber

Faster and easier removal of metal chips

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

Application benefits

- Threading die heads with optimized geometry to reduce the effort 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

Model	Weight	PU	No.
Threading die head BSPT R, 1/4″	0.580 kg	1	070821X
Threading die head BSPT R, 3/8″	0.555 kg	1	070822X
Threading die head BSPT R, 1/2″	0.580 kg	1	070823X
Threading die head BSPT R, 3/4″	0.610 kg	1	070824X
Threading die head BSPT R, 1″	0.815 kg	1	070825X
Threading die head BSPT R, 1.1/4″	0.905 kg	1	070826X
Threading die head BSPT R, 1.1/2″	1.665 kg	1	070842X
Threading die head BSPT R, 2″	1.535 kg	1	070843X

Model	Weight	PU	No.
Threading die head NPT, 1/4″	0.610 kg	1	070907X
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 BSPT R for SUPERCUT and SUPERTRONIC 1250 / 2000 E / 2000

Precision threading dies

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 NPT for SUPERCUT and SUPERTRONIC 1250 / 2000 E / 2000

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

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

Mineral-based cutting oil is not permitted for drinking water installations—Please check your national regulations!

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, 5 l	4.600 kg	1	65010

RONOL SYN

DVGW-certified high-performance cutting fluid

Suitable as a coolant and lubricant for producing threads or cutting metal

Application benefits

- Suitable for drinking water installations
- 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

Model	Weight	PU	No.
RONOL SYN spray can, 600 ml	0.750 kg	12	65013
RONOL SYN canister, 5 l	5.750 kg	1	65015

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″

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[1] 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/s²
Thread type	BSPP, BSPT R, NPT

6

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

Machine slightly angled

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

1) RIDGID ist eine eingetragene Handelsmarke von Emerson Electric Co., St. Louis, USA
RO SERVICE+ only valid in participating countries.

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

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

Die head type R

Automatic die head with integrated oil feed
Long life of the die heads

Optimal lubrication and cooling of the die heads
Long life of the die heads

Fig. collapsible stand (No. 56051) included in delivery!

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	56050
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″

110 V | 230 V | RO SERVICE+

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

Can also be used in combination with a roll grooving tool!

Smooth action impact hammer chuck with maximal clamping force
No pipe slippage

Self-centering rear chuck
Axial alignment of the pipe

Working spindle with closed bearings on both sides
Low-wear and precise guiding

Dual-sided tool guide sled
Precise guiding of the die head

Tool / guide sled propulsiont via turnstile
Finely controlled propulsion

Modular system concept
Universal die head adaptor, optional in standard or automatic models

Internal deburrer, snap in, 3-blade
Burr-free work

Sturdy oil pump with high flow power and adjustable fluid quantities, filter system and integrated oil feed
Optimal lubrication and cooling

Large shavings collection trough made of plastic
Easy to clean

Fig. SUPERTRONIC 2 SE

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

Transport frame for 3 and 4 SE (No. 57050)

RO SERVICE+ only valid in participating countries.

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)

110 V 230 V

Set includes: SUPERTRONIC 2 SE, automatic die head 1/2–2″ (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)

110 V 230 V

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

Lever

Various adjustable speeds

110 V 230 V

Set includes: SUPERTRONIC 4 SE, 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 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
SUPERTRONIC 4 SE with automatic die head, NPT 1/2–4″, 110 V	140.500 kg	1	1500004188

RO SERVICE+ only valid in participating countries.

Precision die heads

For machine types ROPOWER 50 R, PANDA, PISET, SUPERTRONIC 2 SE, 3 SE 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

Standard die head

Automatic die head

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			Threading dies			ROPOWER 50 R	SUPERTRONIC 2 SE	SUPERTRONIC 3 SE	SUPERTRONIC 4 SE
Thread type	Size	No.	Size	No. SS-steel	No. HSS-steel for stainl. steel / INOX pipe				
Automatic die heads suitable for RIDGID[1] threading dies									
BSPT R	1/2–2″	56052	1/2–3/4″	056370X	56380	•	•	•	•
			1–2″	056371X	N/A	•	•	•	•
NPT			1/4–3/8″	56372	N/A	•	•	•	•
	1/2–2″	56053	1/2–3/4″	56373	N/A	•	•	•	•
			1–2″	56374	N/A	•	•	•	•
BSPP	1/2–2″	56054	1/2–3/4″	56058	N/A	•	•	•	•
			1–2″	56059	N/A	•	•	•	•
Automatic die heads suitable for ROTHENBERGER threading dies									
BSPT R	1/2–2″	56266	1/2–3/4″	56003	56235	•	•	•	•
			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				•
NPT	1/2–2″	56271	1/2–3/4″	56111	56180	•	•	•	•
			1–2″	56112	56181	•	•	•	•
	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				•
ROTHENBERGER standard / manual die heads									
BSPT R	1/4–3/8″	56153	1/4–3/8″	56001	56135	•	•	•	•
	1/2–2″	56156	1/2–3/4″	56003	56235	•	•	•	•
			1–2″	56007	56236	•	•	•	•
	2–3″	56104	2–3″	56006	56121			•	•
	3.1/2–4″	56032	3.1/2–4″	56008	N/A				•
NPT	1/4–3/8″	56118	1/4–3/8″	56110	N/A	•	•	•	•
	1/2–2″	56156	1/2–3/4″	56111	56180	•	•	•	•
			1–2″	56112	56181	•	•	•	•
	2.1/2–3″	56104	2.1/2–3″	56114	N/A			•	•
BSPP	1/2–1.1/4″	56076	1/2–3/4″	N/A	N/A	•	•	•	•
			1–1.1/4″	N/A	N/A	•	•	•	•
	1.1/2–3″	56077	1.1/2–2″	56097	N/A			•	•
			2.1/2–3″	56098	N/A			•	•

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

1) RIDGID is a registered trade mark of the Emerson Electric Co., St. Louis, USA

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

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

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

Internal deburrer with ratchet

Quick and clean deburring For steel pipes, with smooth-running 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

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″

Can also be used in combination with the SUPERTRONIC 2000 E

Application benefits

- For pipes from Ø 1″
- 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

Fixture for stabiliser

Model	Weight	PU	No.
Hand Roll Groover 2–6″	12.000 kg	1	1000000212
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

Compatible with SUPERTRONIC 2000 and SUPERTRONIC 2000 E

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[1] 300	16.000 kg	1	56504
for ROPOWER 50 R, SUPERTRONIC 2 SE, REX 2″	14.500 kg	1	56505
for SUPERTRONIC 2000	14.500 kg	1	56509

Model	Weight	PU	No.
for SUPERTRONIC 3 SE, REX 3″	14.500 kg	1	56506
for SUPERTRONIC 4 SE	14.500 kg	1	56507
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

1) RIDGID is a registered trade mark of the Emerson Electric Co., St. Louis, USA

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

110 V 230 V RO SERVICE+

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
Tube stand for ROGROOVER	33.000 kg	1	1500001990
Diameter dimensional tape	0.080 kg	1	1500000134
Transport trolley	25.000 kg	1	57050

Model	Weight	PU	No.
Spare spindle, INOX, 1–1.1/2″	1.370 kg	1	1000002262
Spare spindle, INOX, 2–6″	1.815 kg	1	1000002263
Spare spindle, INOX, 8–12″		1	1000002264
Spare spindle, steel pipes, 1–1.1/2″	0.500 kg	1	1500001711
Spare spindle, steel pipes, 2–6″	0.500 kg	1	1500001709
Spare spindle, steel pipes, 8–12″	0.500 kg	1	1500001710

RO SERVICE+ only valid in participating countries.

ROTHENBERGER
MAPP

Soldering and welding

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Cartridge brazing

	SUPER FIRE 3	SUPER FIRE 4	ROFIRE GLOBAL	ROFIRE Swivel PRO Cyclone Piezo	ROFIRE Swivel PRO Twin
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
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
Special application	Shrinking, removal of paint	Shrinking, removal of paint	○	○	○
For use with	MAPP[1] gas, Maxigas 400, Multigas 300	MAPP[1] gas, Maxigas 400, Multigas 300	MAPP[1] gas, Maxigas 400, Multigas 300	MAPP[1] gas[2], Maxigas 400[2], Multigas 300[2]	MAPP[1] gas[2], Maxigas 400[2], Multigas 300[2]
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Cartridge soft soldering

	ROFLAME 4 PIEZO	ROFIRE 4 / ROFIRE 4 PIEZO
Soft soldering	up to Ø 22 mm	up to Ø 22 mm
Brazing	○	up to Ø 15 mm
Special application	○	○
For use with	Supergas C 200	Multigas 300
Page	**184**	**185**

Roofing

	ROOFING Set
Soft soldering	●
Brazing	○
Special application	Bonding of bituminous sheeting
For use with	Propane, butane
Page	**190**

Cartridges

	MAPP[1] gas	Maxigas 400	Multigas 300	Supergas C 200 TSS
Flame 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
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1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden
2) with safety adaptor (No. 035648X)

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	○	○	○
Cutting	12–100 mm	○	○	○	○
For use with	Acetylene, oxygen, Maxigas 400	Acetylene, oxygen	Propane, oxygen	MAPP[1] gas, oxygen	Maxigas 400, oxygen
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Cylinder brazing and soft soldering

	AIRPROP	TURBOPROP
Soft soldering	up to Ø 54 mm	up to Ø 54 mm
Brazing	up to Ø 22 mm	up to Ø 28 mm
Special application	○	○
For use with	Propane, butane	Propane, butane
Page	**188**	**189**

E-soft soldering

	ROTHERM 2000
Soft soldering	up to Ø 54 mm
Brazing	○
Special application	Soft soldering without flame
For use with	230 V
Page	**192**

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	**200**	**200**

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

SUPER FIRE 3

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 Ø 35 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
- 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)

Technical data

Coupling	7/16″ EU
Handle	Aluminium, bolted
Burner	Brass / stainless steel

"Twist 'n' Load"

Elaborately manufactured brass / stainless steel design
Long service life

Fast "Twist 'n' Load" system
Exchange of the burners with one movement (5 different burners available)

Fine regulating valve
Precise flame adjustment

Burners with swirl flame
Rapid heat-up, less consumption!

Ergonomically designed handle
Robust and optimum handling made of high-quality aluminium

Only ignites if burner has been securely locked
Dual safety

High-performance piezo
Reliable (up to 30,000 ignitions)

Locking button
Continual use with only one hand

ROTHENBERGER MAPP[1] gas
Up to 2.5 hours of brazing with one cartridge

Brazing in gas installation

High flame temperature based on cyclone swirl

Brazing in air-conditioning and refrigeration technology

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

Pin-point burner (460 °C)

For fine soldering; precise and stable flame

No. 35455

Standard burner (700 °C)

For soft soldering and other jobs with lower heat application; precise, powerful and stable flame

No. 35456

Cyclone burner (950 °C)

For hard and soft soldering with an efficient swirl flame (allows pipe to heat up evenly)

No. 35457

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

No. 35458

Shrinking burner (720 °C)

For shrinking up to Ø 300 mm and for heating; powerful, wind-stable soft flame

No. 35459

SUPER FIRE 3 HOT BOX

Application benefits

- The ideal service kit
- For repairs, heating installations, and air-conditioning and refrigeration technology

RO CASE

Hot

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 × MAPP[1] gas A cartridges (No. 035521-A), ROCASE 4414 (No. 1000001945)

Model	Weight	PU	No.
SUPER FIRE 3 HOT BOX EU incl. MAPP[1] gas A	4.270 kg	1	1000002369
SUPER FIRE 3 HOT BOX EU incl. MAPP[1] gas B	4.165 kg	1	1000002370
SUPER FIRE 3 HOT BOX EU incl. MAPP[1] 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!

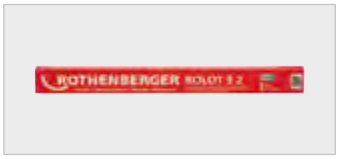
Model	Weight	PU	No.
SUPER FIRE 3 with cyclone burner 7/16″ EU	0.550 kg	1	35436
SUPER FIRE 3 with cyclone burner 1″ US	0.700 kg	1	35431
SUPER FIRE safety adaptor 7/16″ to 1″	0.102 kg	1	035648X

No. 035648X

No. 35436

No. 31050

No. 1000004635



No. 40212

No. 45252

No. 45268

No. 45220

Accessories	Page	No.
Welding blanket	203	31050
Internal brushes for copper pipes	203	1000004635
Solder	204	40212

Accessories	Page	No.
Fittings solder	205	45252
ROVLIES cleaning pads	202	45268
ROSOL soldering paste	205	45220

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

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 Ø 35 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

Brazing in air-conditioning and refrigeration technology

High flame temperature based on cyclone swirl

Brazing in air-conditioning and refrigeration technology

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

Pin-point burner (460 °C)

For fine soldering; precise and stable flame

No. 35455

Standard burner (700 °C)

For soft soldering and other jobs with lower heat application; precise, powerful and stable flame

No. 35456

Cyclone burner (950 °C)

For hard and soft soldering with an efficient swirl flame (allows pipe to heat up evenly)

No. 35457

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

No. 35458

Shrinking burner (720 °C)

For shrinking up to Ø 300 mm and for heating; powerful, wind-stable soft flame

No. 35459

SUPER FIRE 4 HOT BOX

Application benefits

- The ideal service kit
- For repairs, heating installations, and air-conditioning and refrigeration technology

RO CASE

Hot

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 × MAPP[1] gas A cartridges (No. 035521-A), ROCASE 4414 (No. 1000001945)

Model	Weight	PU	No.
SUPER FIRE 4 HOT BOX EU incl. MAPP[1] gas A	4.055 kg	1	1000002364
SUPER FIRE 4 HOT BOX EU incl. MAPP[1] gas B	3.965 kg	1	1000002366
SUPER FIRE 4 HOT BOX EU incl. MAPP[1] gas C	4.095 kg	1	1000002368
SUPER FIRE 4 HOT BOX US incl. MAPP[1] 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!

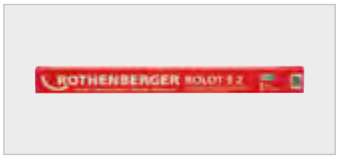
Model	Weight	PU	No.
SUPER FIRE 4 with cyclone burner 7/16″ EU	0.400 kg	1	1500001355
SUPER FIRE 4 with cyclone burner 1″ US	0.370 kg	1	1500001503
SUPER FIRE safety adaptor 7/16″ to 1″	0.102 kg	1	035648X

No. 035648X

No. 1500001355

No. 31050

No. 1000004635



No. 40212

No. 45252

No. 45268

No. 45220

Accessories	Page	No.
Welding blanket	203	31050
Internal brushes for copper pipes	203	1000004635
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Accessories	Page	No.
Fittings solder	205	45252
ROVLIES cleaning pads	202	45268
ROSOL soldering paste	205	45220

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

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[1] 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

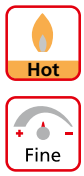
Cyclone burner with piezo ignition

Coupling: 1″ US
Brazing: up to Ø 18 mm
Soft soldering: up to Ø 42 mm

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

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

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

Fine Basic

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

Piezo Fine Basic

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°)

Protection collar

Extended design for safe and stable positioning on gas cartridges

Fine adjustment valve

Precise flame adjustment

High-performance piezo

Reliable up to 30,000 firings

2-component handle

Rubberized plastic for easy, ergonomic handling and grip

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

MAPP[1] gas

High-performance gas for brazing and soldering

Flame temperatures up to 2,700 °C and 35 % faster than propane

Hot

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

Rückschlagventil

Sicherheitseinrichtung gegen Gasrücktritt

100 % propylene

Excellent flame performance, even in overhead applications. Higher heat transfer than propane

Steel cylinder

High stability, especially for high pressure gases

7/16″ EU brass valve

Patented design for high pressure gases

Protection collar

Stabilizes the burner on the bottle and protects in case of accidental drop

Protective collar stabilizes the torch and protects against accidental drops

SUPER FIRE 3 HOT BOX
(see page 181)

SUPER FIRE 4 HOT BOX
(see page 183)

Model	Weight	PU	No.
MAPP[1] gas 7/16″ EU, version A Languages: DE, GB, FR, ES, IT, PT	0.900 kg	12	035521-A
MAPP[1] gas 7/16″ EU, version B Languages: DK, NL, SE, FI, FR, RUS	0.900 kg	12	035521-B
MAPP[1] gas 7/16″ EU, version C Languages: CZ, PL, HU, BG, TR, RO	0.900 kg	12	035521-C

Packaging profile

Model	MAPP[1] 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

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

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.

Hot

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.

Basic

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.

Basic

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

Built-in gas turbine in brazing torch
Bundled, concentrated and hot flame

Smooth-turning economy valve
Gas-saving operation

Optimized valve technology
Absolutely gas tight

Shut-off valve
Prevents uncontrolled gas leakage

Absolutely gas-tight connections thanks to dual O-ring technology
Fast burner exchange without tools

No. 31092 Img. similar

Threaded coupling M14 × 1

Push-in nipple

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 °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

Fig. TURBOPROP burner with push-in nipple

No. 31090 Img. similar

Sets include: safety handle with push-in coupling (No. 211121116), brazing burner with push-in nipple Ø 12 mm (No. 31032) / Ø 15 mm (No. 221031500) / Ø 18 mm (No. 221031800), 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.
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	g/h 2 bar	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

ROOFING set

Propane heating torch with Ø 63 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.

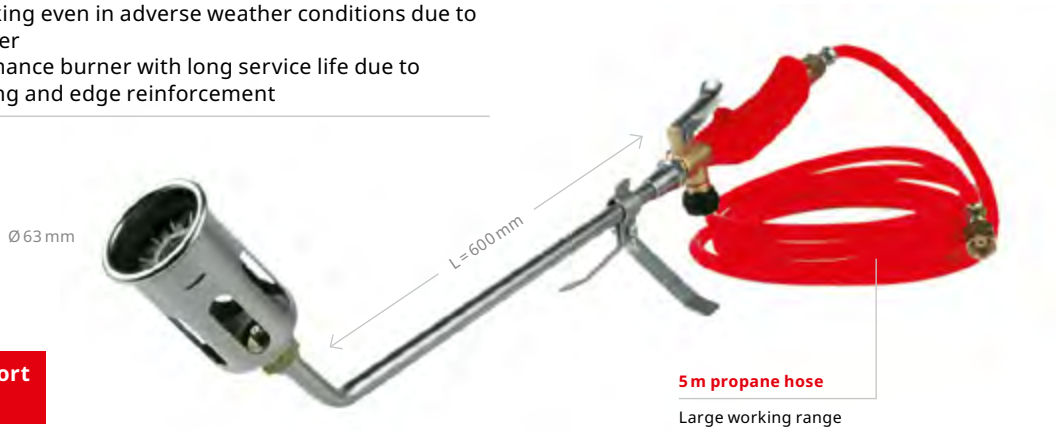
Application benefits

- 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

Fine | 360° | Basic

Technical data

600 mm burner tube
Burner support



Burner support included!

Ideal for roofing and asphalt work

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 mm	Length mm	g/h 2 bar	kWh–kcal–BTU	Weight	No.
open					
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
closed					
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″ LH

No.211111116

Model	No.
Safety propane handle with M 14 × 1 coupling	211111116
Safety propane handle with push-in coupling	211121116
Repair kit with regulating valve, complete	30102

No.211121116

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″ LH	G 3/8″ LH	0.5–4.0	8	32081
G 3/8″ LH	G 3/8″ LH	0–6	8	242206000
W 21.8 × 1/14″ LH	G 3/8″ LH	4	8	30925

No. 242206000

No. 30925

No. 32081

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	G 3/8″ LH	M 10 × 1 LH	ISO 3821	4.0 × 3.5	30927
2.5	G 3/8″ LH	G 3/8″ LH	ISO 3821	4.0 × 3.5	32201
5	G 3/8″ LH	G 3/8″ LH	ISO 3821	4.0 × 3.5	33310
10	G 3/8″ LH	G 3/8″ LH	EN 1327	5.0 × 3.5	32223

No. 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 for No. 33079			0.276 kg	1	35636

ROTHERM 2000

Electric soft soldering unit up to Ø 54 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″

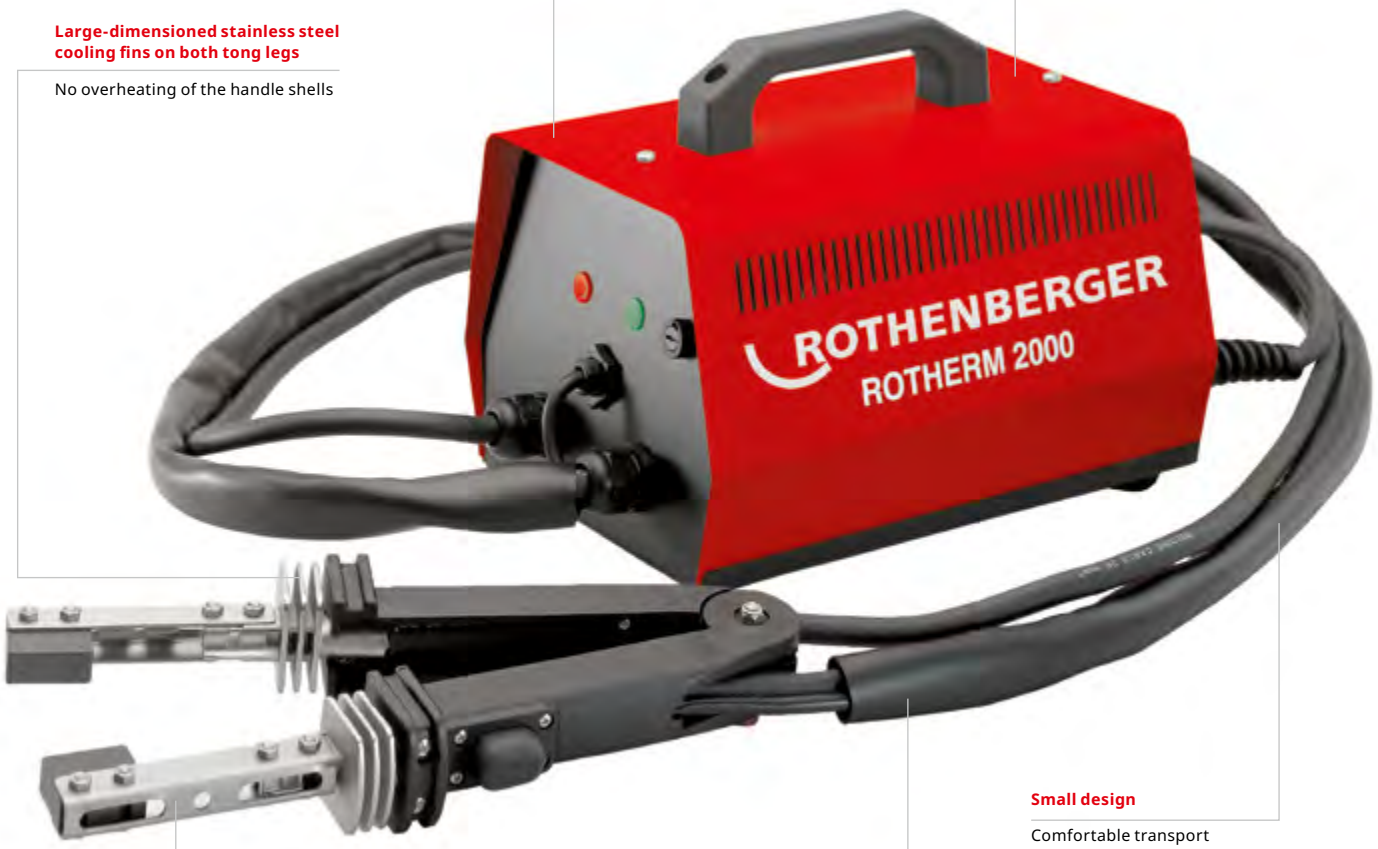
Application benefits

- Soldering without open flame
- Large working radius also for working below ceilings
- Automatic shutdown in case of overload
- No overheating of the handle
- 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!



2,000 W
High performance, short soldering times

Thermal overload protection
Automatic shutdown of the device

Large-dimensioned stainless steel cooling fins on both tong legs
No overheating of the handle shells

Small design
Comfortable transport and work

Highly flexible, extra long 4 m solder gun cable
Large working radius, also for work below ceilings

Soldering without open flame
No fire hazard due to burning of wall or floor coverings or plastic drains

RO SERVICE+ only valid in participating countries.

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 (No. 1300007335)

Particularly suitable for repair and modification work in surroundings or rooms with a fire hazard, as well as in building refurbishment!

Img. similar

Warming up of the soldering joint without open flame

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

Rod electrodes for working near to the wall or between parallel running pipes with narrow gaps (can be ordered separately)

Flat electrode

Simple replacement of electrodes and electrode holders

No. 36721

No. 36720

No. 45268

No. 45220

No. 45252

No. 1000004635

Accessories	No.
Flat electrode (pair)	36721
Flat electrode with holder (pair)	36711
Rod electrodes (pair)	36720
Rod electrodes with holder (pair)	36710

Accessories	Page	No.
ROVLIES cleaning pads	202	45268
ROSOL soldering paste	205	45220
Fittings solders	205	45252
Internal brushes for copper pipe	203	1000004635

ALLGAS 2000 set

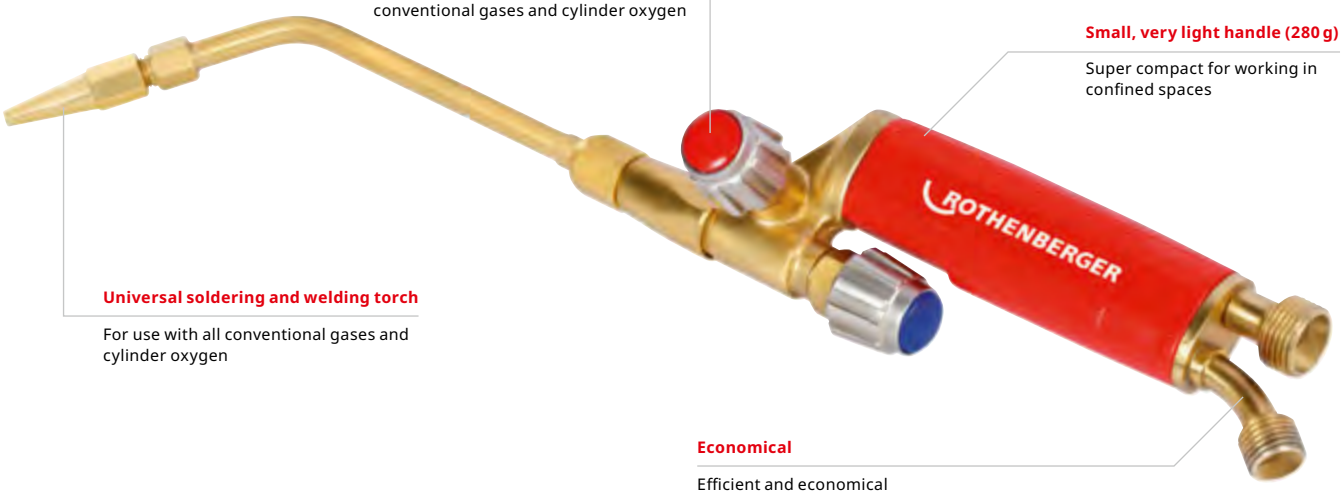
Universal oxyacetylene soldering and welding torch

The ideal soldering and welding torch for plumbers, heating engineers, air-conditioning and refrigeration technicians, the automotive trade, and 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



Low gas pressure of only 0.2 bar
Practically complete emptying of gas cylinders (money saving) for use with all conventional gases and cylinder oxygen

Small, very light handle (280 g)
Super compact for working in confined spaces

Universal soldering and welding torch
For use with all conventional gases and cylinder oxygen

Economical
Efficient and economical professional use

Flexible pipe welding attachments

Dispersion burners for warming up

Safe and quick flame positioning

ALLGAS 2000 set Img. 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)

Model	Coupling oxygen	Coupling fuel gas	Weight	No.
ALLGAS 2000 set (acetylene)			3.100 kg	35300
ALLGAS 2000 handle	G 1/4″ RH	G 3/8″ LH	0.280 kg	35303
Mixing burners with union nut			0.040 kg	35304

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
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 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

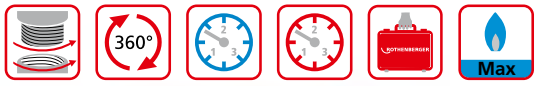
Application benefits

- 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



The bottle colors shown are without obligation! Img. similar

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. 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), 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 2.0 l, 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 14		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[1] gas pressure regulator with adjustment range 0–2 bar for constant, low consumption and efficient flame adjustment

Technical data

Gas	MAPP[1] gas with oxygen
Flame temperature	over 3,100 °C
Working temperature	1,300 °C

Accessories included in the set

High quality safety devices
Reliable prevention ofgas returns and flashbacks

Pressure regulator 0–2 bar
Constant, low consumption and efficient flame adjustment

Total weight < 6 kg
High mobility in construction site use

MAPP[1] and oxygen
Flame temperature above 3,100 °C

High quality rubber hoses
20 bar, certified according to DIN EN ISO 3821, length: 2.5 m

Welding and brazing torches
Including 5 interchangeable burners and a bendable welding attachment for a material thickness up to 5 mm

Img. similar

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.
MAPP[1] gas 1″ US, 750 ml	0.900 kg	12	35698
MAPP[1] 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 MAPP[1] / LPG	0.380 kg	1	1000000620
Pressure regulator M10 × 1 for oxygen	0.350 kg	1	1000000629

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

ALLGAS 2000 PS 0,5 / 2 Basic

Portable fitter's brazing equipment

For brazing iron, steel, sheet steel, pipes and non-ferrous metals

Space saving storage in service vehicles!

Application benefits

- Compact and handy construction for mobile building-site and repair use
- Job compatible combination, assembled and ready to use

The bottle colors shown are without obligation! Img. similar

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 2.0 l, 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

Space saving storage in service vehicles!

The bottle colors shown are without obligation! Img. similar

19-part set (No. 035780X) includes: handle with fine regulating valve (No. 35580), Maxigas 400 (No. 035570-A), oxygen cylinder 2.0 l (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

RE 17 three-gas system AMS 5/5

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!

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 × 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), acetylene cylinder 5 l, filled (No. 35178), oxygen cylinder 5 l, 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! Img. 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 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 × 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! Img. 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 × 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), acetylene cylinder 10 l, filled (No. 35179), oxygen cylinder 10 l, 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! Img. 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. 35348), 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

No. 35480 Img. similar

No. 35324

RE 17 welding attachments

Model	Welding range mm	Weight	PU	No.
Welding attachment	0.5–1	0.140 kg	1	35325
Welding attachment	1–2	0.150 kg	1	35326
Welding attachment	2–4	0.170 kg	1	35327
Welding attachment	4–6	0.190 kg	1	35328
Welding attachment	6–9	0.220 kg	1	35329
Welding attachment	9–14	0.260 kg	1	35334

RE 17 welding attachments, bendable

Welding attachment, complete

Welding range mm	Weight	No.
2–4	0.140 kg	35347
4–6	0.150 kg	35348

Welding attachment, bendable

Welding range mm	Weight	No.
1–2	0.040 kg	35475
2–4	0.040 kg	35476
4–6	0.050 kg	35477

Welding attachment, bendable

Welding attachment, complete

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

No. 35338

No. 35341
No. 35344
No. 35345

No. 35339

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 Ø × 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	Inlet Outlet Oxygen	Inlet Outlet Acetylene	Internal Ø × Wall thickness	Weight	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

Model	Contents	Filling pressure bar	Height mm	Ø mm	PU	No.
Oxygen	950 ml	110	340	70	12	35750
Oxygen	2 l	200	420	110	1	35635
Oxygen	5 l	200	595	145	1	35188
Oxygen	10 l	200	980	145	1	35189
Acetylene	5 l	18	595	145	1	35178
Acetylene	10 l	18	980	145	1	35179

The bottle colors shown are without obligation! Img. similar

Protective bracket included in delivery for steel cylinders without cap

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

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

No. 35634

Img. similar

No. 35794

Img. similar

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

Img. similar

Oxygen refilling bend

Suitable for all 0.67 l, 2 l, 3 l, 5 l, 10 l, 20 l and 50 l bottles up to 200 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

No. 540855

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
	A 5	0.090 kg	540641
Replacement glass (Ø 50 mm)	A 4	0.030 kg	540675

No. 540620 No. 540622

No. 540640

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.
12	0.080 kg	1	1000004630
15	0.100 kg	1	1000004632
18	0.120 kg	1	1000004634
22	0.140 kg	1	1000004635
28	0.140 kg	1	1000004636

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

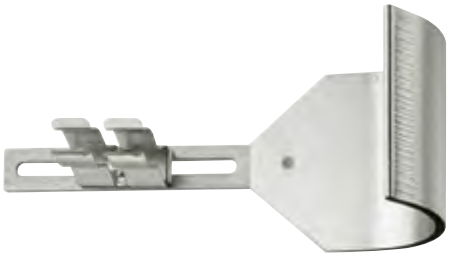
Thickness: 2.8 mm
Weight: 1,600 g/m²

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

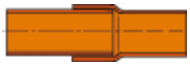
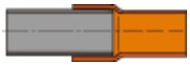
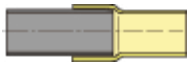
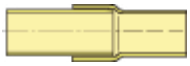
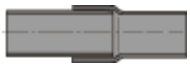
Fitting soft solder according to EN standard

Standard type according to EN 9453	Solder composition in weight %	Melting range °C	Suitable for soft soldering in the plumbing industry			Recommended heat source
			Pipe material	Fittings material	Recommended flux according to EN 9454-1	
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	Cartridge burner, heat resistant soldering unit, propane / induced-air burner, acetylene / induced-air burner, larger pipe diameters above 28 mm with propane / oxygen burner with dispersion burners
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	

Standard solder according to EN ISO standard

Standard type according to ISO 17672	Solder composition in weight %	Melting range °C	Working temperature °C	Suitable for installation technology brazing				Recommended heat source
				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	Cartridge torch with MAPP[1] gas, Propane / induced-air torch, Acetylene / induced-air torch, Larger pipe diameters above 28 mm with propane / oxygen torch with dispersion burners
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	
CuP 281	Ag 5 / Cu 89 / P 6	645–815	710	Copper	Copper, Gunmetal, Brass	without flux with flux	FH 10 or LP 5	
CuP 284	Ag 15 / Cu 80 / P 5	645–800	700	Copper	Copper, Gunmetal, Brass	without flux with flux	FH 10 or LP 5	
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	
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	S 94 S 2 S 5 S 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 	S 94 S 2 S 5 S 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)

1) MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

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 °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 3

Model	Weight	PU	No.
ROSOL 3 in plastic bottle 250 g	0.270 kg	1	45225

Hard solder rings

Made of high-quality, silver-phosphorous safety brazing alloy, guaranteed according to EN ISO 17672, CuP 279

Application benefits

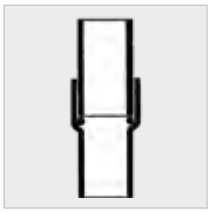
- Ideal for capillary gap soldering in copper pipe installation in sanitary and heating technology
- Exactly matched to the inside diameter of the brazed pipes and fittings according to EN 1254
- Complete through-soldering of the soldered joints
- Particularly economical work due to precisely metered solder quantity
- No preparation and rework at the soldering point

Technical data

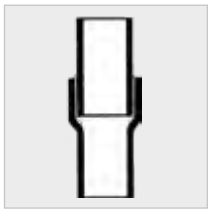
Alloy (weight %)	Ag 1.5–2.5 / P 5.9–6.5 / Cu rest
Melting range	650–810 °C
Joinable materials	Copper, gunmetal, brass, bronze
Flux required with	Gunmetal, brass, bronze with hard solder paste LP 5
Package size	250 g plastic bag

Simple insertion

Precise quantity of solder



Simply heat, no dripping, no reduction of cross-section



Model	Content	Weight	PU	No.
Hard solder rings S 2, Ø 14 mm	268 pcs.	0.260 kg	1	40514

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

Content	Squared section mm	Lenght mm	Weight	PU	No.
1 kg carton	2 × 2	500	1.025 kg	1	40094

ROLOT S 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.

Technical data

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	Lenght mm	Weight	PU	No.
1 kg carton	2 × 2	500	1.025 kg	1	40202

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

ROLOT S 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	Lenght 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.

Technical data

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	Lenght 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	Lenght 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

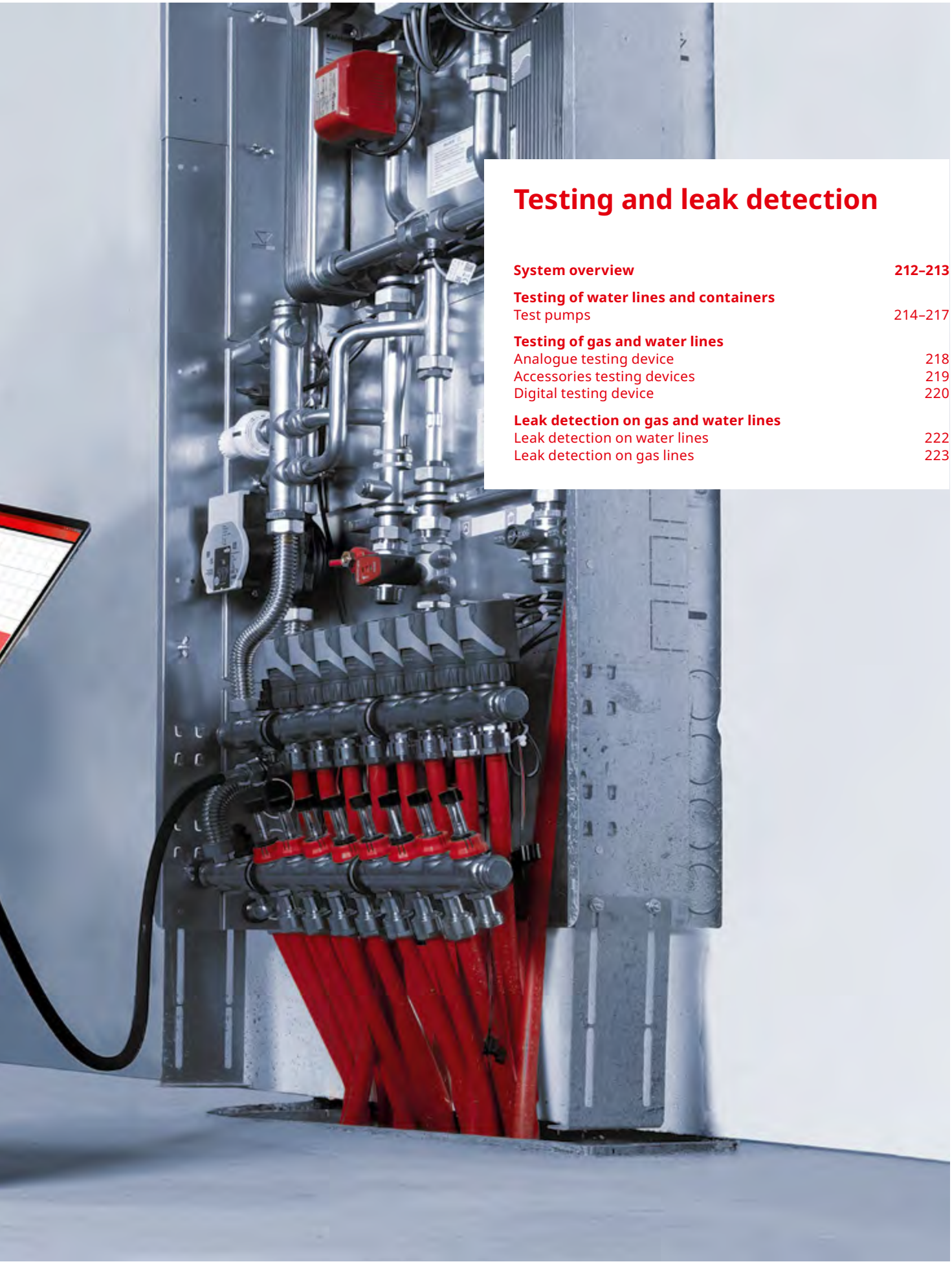
Free of cadmium, quality silver hard solder, guaranteed according to EN ISO 17672, flux-covered according to EN 1045, Type FH 10, universal application areas for gap soldering, excluding drinking water installations, heat-resistant up to 200 °C.

Technical data

Alloy (weight %)	Ag 45 / Cu 27 / Zn 25.5 / Sn 2.5
Melting range	640–680 °C
Working temperature	670 °C
Joinable materials	Steel, malleable cast iron, copper, gunmetal, copper and nickel alloys, stainless steel

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

DIGITAL
ROTHENBERGER



Testing and leak detection

System overview **212–213**

Testing of water lines and containers
Test pumps 214–217

Testing of gas and water lines
Analogue testing device 218
Accessories testing devices 219
Digital testing device 220

Leak detection on gas and water lines
Leak detection on water lines 222
Leak detection on gas lines 223

Test pumps, manual

	RP 50 Digital	RP 50-S / RP 50-S INOX
Testing and pressure range	0–30 bar	0–60 bar
Hub suction capacity	approx. 45 ml / stroke	approx. 45 ml / stroke
Tank capacity	12 l	12 l
Connection	R 1/2″	R 1/2″
Dimension (L × B × H)	495 × 165 × 255 mm	495 × 165 × 255 mm
Material	DURAMANT coated steel	DURAMANT coated steel
Valve	Twin valve	Twin valve
Pressure gauge units	bar, psi and MPa	bar, psi and MPa
Documentation via app	●	○
Suitable for	Water and glycol-water mixtures	Oil, water and glycol
Page	**214**	**215**

8

Test pumps, manual

Test pump, 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	6 l / min.
Tank capacity	7 l	4,5 l	○
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	○	○	○
Suitable for	Oil, water and glycol	Oil, water and glycol	Oil, water and glycol
Page	**217**	**217**	**216**

Testing devices for gas and water connections

	ROTEST GW 150/4	GW Professional
Low pressure range	0–160 mbar (resolution 0.1 mbar / hPa)	0–1.5 bar (resolution 0.1 mbar / hPa)
High pressure range	0–4 bar (resolution 0.1 bar / 0.01 MPa)	0–20 bar (resolution 0.1 bar / 0.01Mpa)
Leak rate measurement	○	0–8 l / h (resolution 0.1 l / h)
Display	○	Illuminated graphic display
Printer	○	integrated
Pressure build up	manual	automatically to 1.5 bar (1,500 hPa)
Documentation	manual	automatic logging (PC software or direct printout)
Page	**218**	**220**

Leak detection

	ROLEAK Aqua 3 Plus		ROTEST Electronic 4
Detects	Water	Detects	Natural gas, propane, butane, methane, acetone, alcohol, ammonia, benzyl, ethylene, gasoline, hydrogen, industrial solvents, jet fuel, paint thinner, naptha, toluene
Frequency filter	1. stage: 0–540 Hz, 2. stage: 540–4,000 Hz, 3. stage: 0–4,000 Hz		
Battery life time	approx. 15 h		
Safety class	IP 41	Sensitivity	<50 ppm–1 Vol% (Methane)
Page	**222**	**Page**	**223**

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
- Creation of a test protocol with the app
- A 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	12 l
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 for measurements up to 30 bar

Wireless readout of the test data and creation of digital test protocols and visualizations of pressure curves

Additional pressure gauge with fine scaling 0.1 bar optional

Enables very precise readings up to a range of 16 bar (No. 61316)

Warp-resistant and lockable lever

Ergonomic handle serves as carrying grip too

Hook to fix the handle

Improved carrying comfort

TWIN VALVE system

Two valves for double safety while testing the system

5 year warranty against corrosion

Extrem durable DURAMANT coating

Testing hose with steel mesh

For precise measurement

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

RO SERVICE+ only valid in participating countries.

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
- **RP 50-S:** weather and cold-resistant steel container with DURAMANT coating
- **RP 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	12 l
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

Additional pressure gauge with fine scaling 0.1 bar optional

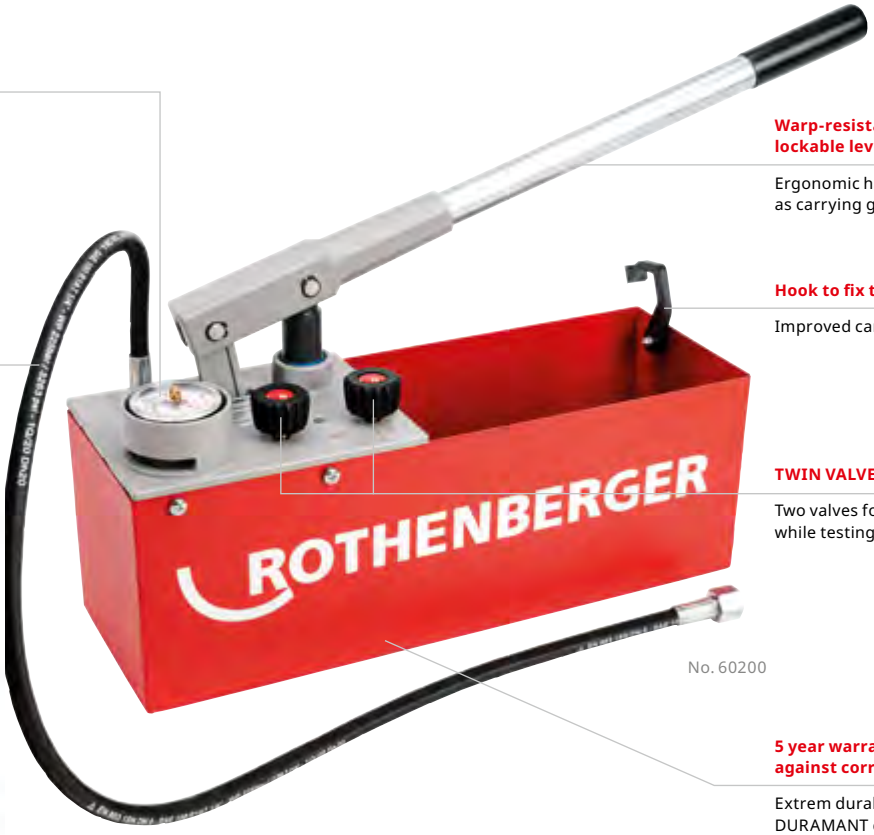
Enables very precise readings up to a range of 16 bar (No. 61316)

Testing hose with steel mesh

For precise measurement

INOX

No. 60203



No. 60200

Warp-resistant and lockable lever

Ergonomic handle serves as carrying grip too

Hook to fix the handle

Improved carrying comfort

TWIN VALVE system

Two valves for double safety while testing the system

5 year warranty against corrosion

Extrem durable DURAMANT coating

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

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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

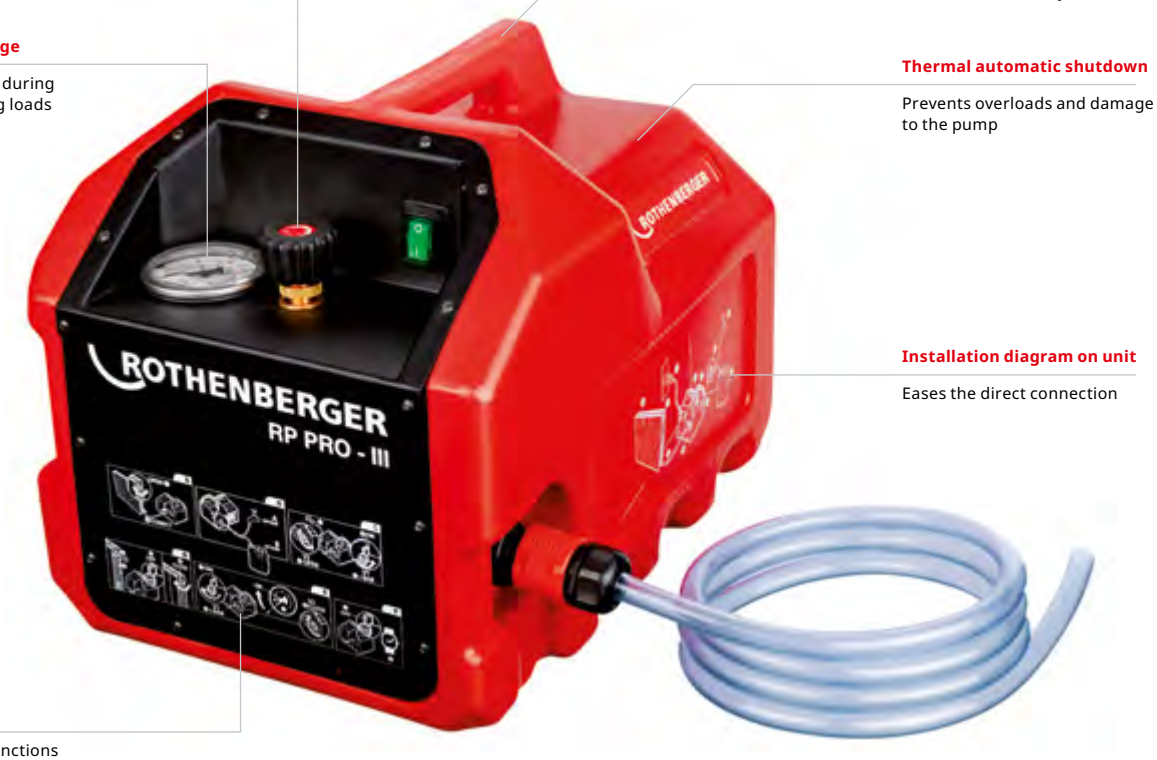
Testing and pressure range:	0–40 bar with 1 bar steps 0–570 psi with 20 psi steps 0–0.1 MPa steps
Hub suction capacity	6 l / min.
Connection	R 1/2″
Dimensions (L × B × H)	375 × 290 × 300 mm
Material	ABS plastic
Pressure gauge units	bar, psi and MPa
Gauge characteristics	glycerine cushioned
Suitable for	Oil, water and glycol

Valve for pressure adjustment

Labelling on handle

Glycerine pressure gauge

Easy for the user to read during high dynamic alternating loads



Optimal weight distribution

Comfortable to carry

Thermal automatic shutdown

Prevents overloads and damage to the pump

Installation diagram on unit

Eases the direct connection

Function overview

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

RO SERVICE+ only valid in participating countries.

TP 25

Small, robust, manual 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

For daily use on the construction site: fits in any car

Technical data

Suitable for	Glycol, drinking water
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

RP 30

Simple and light manual 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

Technical data

Suitable for	Glycol, drinking water, Tyfocor
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

Model	Weight	PU	No.
RP 30	4.500 kg	1	61130

8

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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:

Gas: 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!

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)

Legible scaling

Continuous scaling up to 150 mbar

Measurement chart in unit

Testing times and testing pressure from lawmakers at a glance

Inspection glass

Water level control

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

Testing scale up to 150 mbar on transparent extending tube element

Transparent tube element with double o-ring seal

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

RO SERVICE+ only valid in participating countries.

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
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
1/8″ adaptor to NW5 plug	0.500 kg	1500002853
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, low pressure	0.200 kg	1500002846

No. 61041

No. 61702

No. 1500002876

No. 1500002853

No. 1500002846

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 shape with pneumatic connection					
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 shape with pneumatic connection					
Size 1	3/4″	22	0.060 kg	1	351271
Size 2	1″	28	0.075 kg	1	351272
Conical shape with hose coupling					
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 shape with 2 ball valves					
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. connection			0.290 kg	1	351265

ROTEST GW Professional

Pressure and leakage meter for gas, water and waste water pipes

Pressure and leakage measuring device for gas, water and waste water pipes, with automatic test sequences and integrated compressor for easy operation and documentation of all tests up to 20 bar.

Application benefits

- All-in-one solution for testing gas, LNG, water and sewage pipes
- Automatic test sequences
- DVGW-certified
- Internal compressor for pressure build-up up to 1.5 bar
- Integrated printer

Certified process reliability in everyday work!

Technical data

Measuring range	0–50 °C
Test area	0–20 bar
Battery number	1 Stück
Battery system	Li-Ion / Li-Po Batterie (wiederaufladbar)
Battery type	Wiederaufladbar
Battery weight with unit of measurement	0.355 kg
Niederdrucksensor	0–1.500 hPa
Hochdrucksensor	0–2 MPa
Leckmengensensor	0–8 l/h
Auflösung Niederdrucksensor	0.1 hPa
Auflösung Hochdrucksensor	0.001 MPa
Auflösung Leckmengensensor	0.1 l/h

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Internal compressor

Automatic pressure build-up up to 1.5 bar

Simple and clear operation

Integrated and automated test sequences with simple connection options

Full range of accessories

Accessories for all HVAC relevant test situations

DVGW-certified

The tested and certified ROTEST GW Professional ensures for process reliability in everyday work

Simple documentation

Instant documentation of the test results on the construction site or later with the computer software

RO SERVICE+ only valid in participating countries.

Broad standard-compliant test spectrum for the craftsman

High pressure sensor already included in the set for testing water pipes – also with test medium water

Simple documentation on the construction site thanks to the integrated thermal printer

All-in-One: One tool suited for all testing tasks

Set components for ROTEST GW Professionell

Model	Weight	No.
Connecting hose ROTEST GW	0.195 kg	61269
25 m Thermo paper	0.080 kg	1500004880
Shut off valve DP3	0.003 kg	1500004882
Y Hose piece	0.130 kg	1500004885
Gas test plug, cylindric, size 2 (l″)	0.075 kg	351272
Single-pipe meter cap ROTEST GW (NW5)	0.365 kg	61041
Pressure relief valve	0.100 kg	1500004883
Adaptor nozzle pressure to NW5 plug	0.010 kg	61018
Hose 2,8 m + closed coupling	0.268 kg	1500004884

No. 351272

No. 61041

No. 61018

Scope of delivery: ROTEST GW Professional basic device, external high pressure sensor up to 20 bar with adapter, test hose 2.8 m, Y-test hose with NW5 connections, hose connection for burner, stopcock, connection piece with safety valve for compressor insert, 3/8″ to 1/2″ adapter with NW5 coupling, 3/8″ to 3/4″ adapter with NW5 coupling, single-pipe meter cap with NW5 connections, 2× cylindrical test plugs size 2, sealing plug, SD card for saving the data, printer paper, operating instructions, test protocols

Model	Weight	PU	No.
ROTEST GW Professional	7.300 kg	1	1000004584

RO SERVICE+ only valid in participating countries.

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
- Possibility to connect an external microphone
- Wireless transmission of the signal for a better and clear noise transmission to headphones. This also allows to control the volume with the handunit

Technical data

Frequency filter	1. stage: 0 up to 540 Hz 2. stage: 540 up to 4,000 Hz 3. stage: 0 up to 4,000 Hz
Battery life time	approx. 15 h
Safety class	IP 41
Detects	Water

External groundmicrophone
Img. similar

No. 1500003535

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

RO SERVICE+ only valid in participating countries.

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 %
- Shock-resistant housing and easy one-handed operation of the device for use on the construction site

Technical data

Detects	Natural gas, propane, butane, methane, acetone, alcohol, ammonia, benzyl, ethylene, gasoline, 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

Finds leaks easily

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

Highly sensitive foam spray for quick and reliable location of leaks

DVGW-tested
Reg.-No. NG-5170CL0063

Application benefits

- Simple use—always ready to use
- Highly sensitive foaming spray for a quick 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

RO SERVICE+ only valid in participating countries.

ROFROST Turbo II R290 1.1/4"
ROFROST Turbo II R290 2"
ROTHENBERGER

Freezing

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Electric pipe freezing systems 226–230

Freezing with gas
Gas Pipe freezing systems 231

	Freezing electric		Freezing with gas
	ROFROST Turbo II R290 1.1/4″	ROFROST TURBO II R290 2″	ROFROST CO_2 Set
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″)
Working range Fe	1/8–1.1/4″	1/8–2″	1/8–2″
Weight	18.800 kg	19.400 kg	4.900 kg
Reduction inserts	up to 12 pcs.	up to 15 pcs.	up to 10 pcs.
Freezing hose	2.000 m	2.000 m	2.000 m
Refrigerant	R290	R290	CO_2 (R744)
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ROFROST TURBO II R290 1.1/4″ / ROFROST Turbo II R290 2″

Pipe freezing system for copper, steel and stainless steel

Over 20 % lighter, more compact and and even more powerful compared to the previous model!

Flexible refrigerant hoses

Work in confined spaces and store the hoses inside the unit

Simple clamping system ROFROST TURBO R290 1.1/4″

For use even in confined spaces

Heat conductive paste

Enables freezing without continouse spraying of the pipe

Compact design

Tough powder coated metal case with soft-grip handle makes the machine highly mobile and ideal for service work

Wide application area

A range of pipe sizes can be frozen using the supplied pipe inserts

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	18.800 kg	1	1500004195

RO SERVICE+ only valid in participating countries.

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

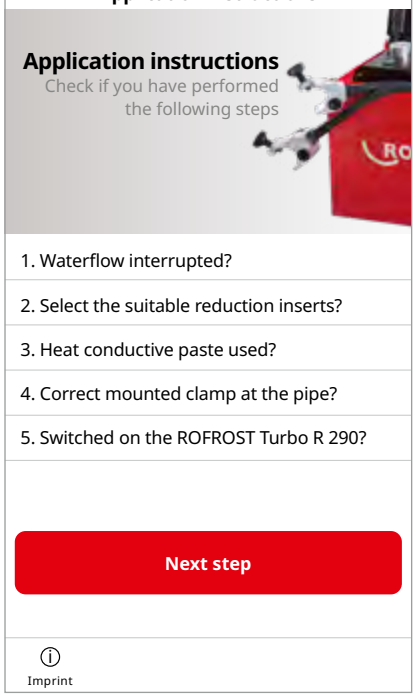
Voltage	220–240 V
Working area diameter copper pipe	10–54 mm
Working area diameter steel pipe	1/8–2″
Power cable length	2 m

Model	Weight	PU	No.
ROFROST TURBO II R290 set 2″, 8 reduction inserts, 230 V	19.400 kg	1	1500004196

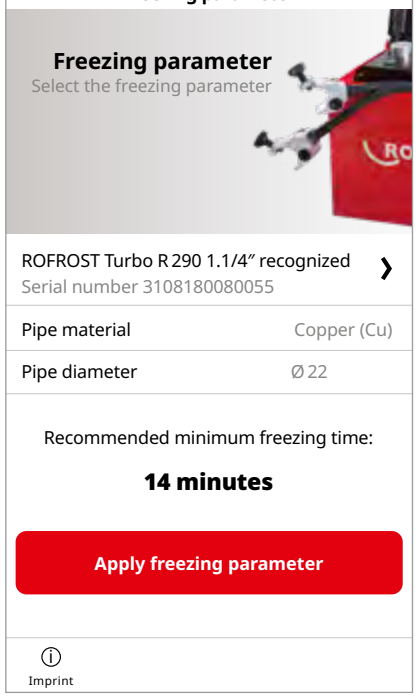
RO SERVICE+ only valid in participating countries.

ROFROST App

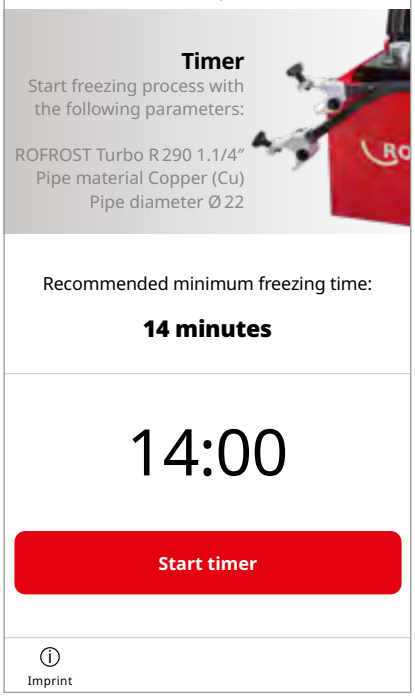
The ROFROST App supports safe work and the freezing process will be explained step by step.



Checklist for the freezing process



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

ROFROST heat conductive paste

Thermal compound for use when freezing copper pipes from 10–54 mm or steel pipes from 1/8–2″

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Application benefits

- Heat conductive paste enables freezing without spraying!

For a perfect freezing result

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_2 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

Set without carbon dioxide bottles!

RO CASE

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″

Model	Weight	PU	No.
ROFROST CO_2 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

Inspection and locating

System overview **234–235**

Video inspection
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ROTHENBERGER App 237
ROCAM MINI HD 238
Locating module ROLOC PLUS HD 239
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ROSCOPE MINI		ROCAM MINI HD			
	ROSCOPE MINI		ROCAM MINI HD	Module 25/22 HD	Module ROLOC PLUS HD
Application	Hollow spaces	Application	Hollow spaces	Residential	Locating of sondes
Pipe diameter	○	25 mm camera head	○	Ø 50–110 mm	○
		30 mm camera head	○	○	○
		40 mm camera head	○	○	○
Display size	2.5″	Display size	7″	7″	7″
Touchscreen	○	Touchscreen	●	●[1]	●[1]
Cable length	1.2 m	Cable length	1 m	22 m	○
Cable diameter	5.5 mm	Metre counter	○	○	○
Camera head	Ø 8.5 mm	Cable diameter	7 mm	7 mm	○
Self levelling	180° digital rotatable	Self levelling	●	●	○
Transmitter	○	Transmitter	○	●	○
Frequency	○	Frequency	○	512 Hz	512 Hz, 640 Hz, 33 kHz
Picture format	JPG	Picture format	JPG	JPG	○
Picture resolution	320 × 240 px	Picture resolution	1,920 × 1.080 px	1,920 × 1,080 px	○
Video format	○	Video format	AVI	AVI	○
Video resolution	○	Video resolution	1.920 × 1,080 px	1,920 × 1,080 px	○
Storage	Built-in memory	Storage	SD card	SD card	○
Wi-Fi transmitter	○	Wi-Fi transmitter	●	●	○
Protocol feature	○	Protocol feature	●	●	○
Audio recording	○	Audio recording	via headphones	via headphones	○
Data handling	○	Data handling	via app	via app	via app
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1) Only in conjunction with separately available ROCAM MINI HD

ROCAM 4 PLUS

	ROCAM 4 PLUS 30 m	ROCAM 4 PLUS 65 m	Mini module
Application	Municipal	Municipal	Residential
25 mm camera head	○	○	Ø 40–100 mm
30 mm camera head	Ø 70–150 mm	Ø 70–150 mm	○
40 mm camera head	Ø 100–300 mm	Ø 100–300 mm	○
Display size	10.4″	10.4″	10.4″
Touchscreen	●	●	●[2]
Cable length	30 m	65 m	16 m
Metre counter	●	●	●[2]
Cable diameter	7 mm	7 mm	5.5 mm
Self levelling	●	●	○
Transmitter	●	●	○
Frequency	33 kHz	33 kHz	○
Picture format	JPG	JPG	JPG
Picture resolution	720 × 600 px	720 × 600 px	720 × 600 px
Video format	AVI	AVI	AVI
Video resolution	720 × 600 px	720 × 600 px	720 × 600 px
Storage	SD card	SD card	SD card[2]
Wi-Fi transmitter	●	●	●[2]
Protocol feature	●	●	●[2]
Audio recording	●	●	●[2]
Data handling	via app	via app	via app[2]
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2) Only in conjunction with separately available ROCAM 4 PLUS

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

Adjustable illumination

7 light levels for best lighting conditions

Ø 8.5 mm waterproof camera head

Perfect working conditions in small diameters

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

Space-saving storage

can be easily wound up around

Intuitive handling

Self-explanatory service in live and review mode

Accessories included

Integrated magnet for catching metal pieces and mirror for the perfect view in a 90° bow

Magnet-accessory

Mirror-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

RO SERVICE+ only valid in participating countries.

ROTHENBERGER App

App 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

Available for iOS and Android!

Live image

Gallery

Editing display

Transfer to mobile device

Sending of edited pictures directly from the place of action

ROCAM MINI HD module 25/22 HD

Cordless inspection camera

In residential area for pipes from Ø 50–110 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)
- Integrated module for wireless headphone connection to add voice recordings
- 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 50–110 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″

7″ Touchscreen

For intuitive operation and direct documentation with damage catalog directly on the device

Waterproof housing

Enables working on roofs—even in the rain

Compact Ø 25 mm head

Covers an application range from Ø 50–110 mm

512 Hz sensor

Can be tracked with the ROLOC PLUS HD

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

The additional internal battery bridges the time without power supply and enables continuous operation

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.
ROCAM MINI HD, module 25/22 HD, baretool	8.600 kg	1	1000004131	1000003960
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
Module 25/22 reel	5.000 kg	1	1000004125	1000003920
ROCAM MINI HD, display incl. module TEC	3.800 kg	1	1000004126	1000003921

RO SERVICE+ only valid in participating countries.

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

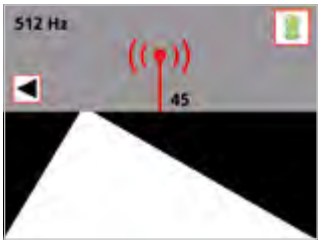
- Pinpoint localization of probes
- Exact depth measurement
- Different frequencies selectable
- Optimized menu design guides step by step through the locating process
- Telescope function for convenient transport in the case

Technical data

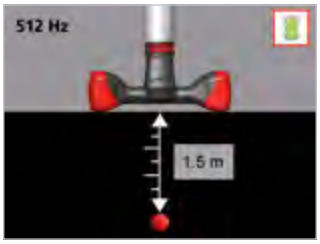
Functional range	Vertical 0.6–1.8 m Horizontal 0–4.5 m
Frequencies	512 Hz, 640 Hz, 50/60 Hz passive, 33 KHz active/passive
Depth measurement	1.5 m

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

Set (No. 1000003963) includes: ROCAM MINI HD – Display, ROLOC PLUS HD – locating device, Endoscope, RO BP18/2 – CAS rechargeable battery, RO BC14/36 – CAS Charger EU, ROCASE 4414, ROCASE 6414

Model	Weight	PU	AMPShare-No.	CAS-No.
ROCAM MINI HD, module ROLOC PLUS HD, baretool	7.900 kg	1	1000004137	1000003964
ROCAM MINI HD, module ROLOC PLUS HD, set EU	8.900 kg	1	1000004133	1000003963
ROLOC PLUS HD	4.500 kg	1	1000004132	1000003962

RO SERVICE+ only valid in participating countries.

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 heads	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)

Wi-Fi transmitter

Simple data transmission to mobile device

Removable display unit with 10.4″ color-touchscreen

Full functionality, even in confined spaces

Integrated speakers

Direct audio replay

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 ROLOC PLUS

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

RO SERVICE+ only valid in participating countries.

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

Modular reel system

Upgrade your ROCAM 4 PLUS from 30 m to 65 m at a later date

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 18 V 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

Working area	Ø 40–100 mm
Camera head	Ø 25 mm
Cable diameter	5.5 mm

Model	Weight	PU	No.
Mini module, 16 m cable	1.314 kg	1	1500003296
Reel basket 65 m for ROCAM 4 PLUS	6.850 kg	1	1500002892

RO SERVICE+ only valid in participating countries.

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 Ø 70 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

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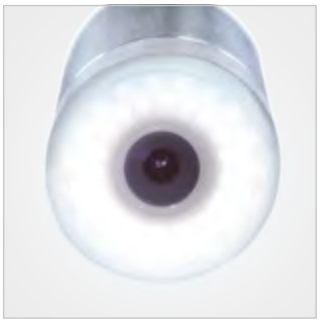
Excellent illumination



Pressure tight screw slip-ring connection

High flexibility and durability

Mountable transmitter

Model	Weight	PU	No.
Camera head Ø 30 mm	0.190 kg	1	1500000123

Model	Weight	PU	No.
Camera head Ø 40 mm	0.410 kg	1	1500000122

RO SERVICE+ only valid in participating countries.

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

No. 69119

For camera head Ø 30 mm	Weight	PU	No.
Adapter Ø 30 to Ø 40mm	0.100 kg	1	1000001836

For camera heads Ø 40 mm	Weight	PU	No.
Rolling skids RS40/150, Ø 150 mm	0.700 kg	1	69118
Rolling skids RS40/200, Ø 200 mm	0.700 kg	1	69119

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 Ø 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)
No. 69113

Brush attachement camera head (front)
No. 69113

Model	Weight	PU	No.
Brush attachment Ø 100 mm[1]	0.200 kg	1	69113

Model	Weight	PU	No.
Brush attachment Ø 150 mm[1]	0.300 kg	1	69117

1) Use with guidance ball No. 69112 / 1500000817

Flushing and pipe cleaning

System overview **246–247**

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Decalcifying chemicals 254

Filling
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Manual pipe and drain cleaning devices 256–258

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Accessories pipe cleaning electric 266–269

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Drain cleaning tools
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Tool and spiral sets 277–279
Accessories drain cleaning spirals 279–280

High pressure drain cleaning
System overview high pressure drain cleaners 281
High pressure drain cleaners 281
Accessories high pressure drain cleaners 282–283

Flushing

	ROPULS eDM	ROPULS
Connection	1″	1″
Max. pipe diameter	Ø 50 mm	Ø 50 mm
Max. water pressure	7 bar	7 bar
Documentation	●	○
Page	**248**	**249**

Pipe cleaning

	R 550	R 600	R 600 VarioClean	R 650	R 750
Operation mode	Electric	Electric	Electric	Electric	Electric
Working range	Ø 20–100 mm	Ø 20–150 mm	Ø 20–150 mm	Ø 20–150 mm	Ø 50–200 mm
Max. spiral length	40 m	60 m	60 m	65 m	80 m
Spiral diameter	16 mm	8[1] / 10[1] / 16 / 22 mm	8[1] / 10[1] / 16 / 22 mm	8[1] / 10[1] / 16 / 22 mm	16[1] / 22 / 32 mm
Power	440 W	620 W	Battery	1,350 W	1,400 W
Page	**260**	**260**	**261**	**262**	**262**

	WC-BLITZ	ROPOWER HANDY	ROSPIMATIC CL	ROSPI 6 H+E Plus	ROSPI 8 H+E Plus
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	○	○	○	○	○
Page	**258**	**258**	**259**	**257**	**257**

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1) Only usable with collet, clamping jaws or adaptor magazine (see page 267)

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	○	○	440 W	440 W	Battery
Page	**257**	**258**	**263**	**263**	**264**

	RODRUM M 13	RODRUM M 16	RODRUM L 16	RODRUM L 20
Operation mode	Electric	Electric	Electric	Electric
Working range	Ø 70–100 mm	Ø 70–125 mm	Ø 70–125 mm	Ø 125–250 mm
Max. spiral length	30 m	45 m	45 m	60 m
Spiral diameter	13 mm	16 mm	16 mm	20 mm
Power	620 W	620 W	620 W	620 W
Page	**265**	**265**	**265**	**265**

Decalcifying

	ROCAL 20	ROMATIC 20
Tank volume	15 l	15 l
Volume flow	40 l / min	40 l / min
Delivery height	10 m	10 m
Motor rating	150 W	150 W
Max. temperature	50 °C	50 °C
Flow reversal	Manual	Automatic
Page	**251**	**251**

Demineralization

	Cartridge PURE H_2O		
Dimension	S	M	L
Weight	1.5 kg	2.8 kg	5.1 kg
Connection	3/4″	3/4″	3/4″
Max. temperature	60 °C	60 °C	60 °C
Max. pressure	4 bar	4 bar	4 bar
Max. water quantity	5 l/min	10 l/min	10 l/min
Page		**252**	

* With additionally available Accessories

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

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
- 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 m³/h

Large LED display for flow rate amounts and metering impulse, membrane keyboard with program selection keys

Clearly arranged control pane

Quick connect NW 7.2

For connecting pneumatic tools

Function switch

Enables you to change to ROCLEAN function

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

ROPULS eDM documentation
✓ Easy
✓ Fast
✓ Professional

ROPULS eDM App with documentation feature

ROPULS eDM with ROCLEAN function for cleaning and conservation

ROCLEAN function, optional available for ROPULS eDM and ROPULS Flushing compressor! (See p. 250)

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

RO SERVICE+ only valid in participating countries.

Connected with the ROTHENBERGER App

Professional working and documentation due to eDM (electronic Data Management)

Application benefits

- Report can be e-mailed immediately as a PDF
- Wireless data transfer
- Applicable for Apple, 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

Available for iOS and Android!

ROPULS Flushing compressor

With the same range of functionality as ROPULS eDM, but without eDM (electronic Data Management)

Function switch

Enables you to change to ROCLEAN function

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 operators

ROCLEAN function, optional available for ROPULS eDM and ROPULS Flushing compressor! (See p. 250)

Scope of delivery (No. 1000000145): ROPULS flushing compressor, 2 × 1 m fabric hose 1″ with GK coupling

Model	Weight	PU	No.
ROPULS flushing compressor with hoses	28.000 kg	1	1000000145

Accessories	No.
ROCLEAN Injector	1000000190
Pressure regulator 2 bar	1500000203
ROPULS extension handle	1500003517

ROCLEAN cleaning and conservation on page 250

RO SERVICE+ only valid in participating countries.
1) Only for Android devices

ROCLEAN function

For cleaning and conserving radiator heating systems, surface heating systems as well as for disinfection of drinking water lines

1 The **pressure reducer** has to be installed on the water input side of the ROPULS flushing compressor. This maintains the incoming pressure of the fresh water feed constant at 2 bar.

2 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

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.

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.

Cleaning and preservation steps:

Before cleaning	
Step 1: Mechanical cleaning	
Step 2: Chemical cleaning	
Step 3: Preserving	

Model	Color code	Weight	PU	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

230 V

RO SERVICE+

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

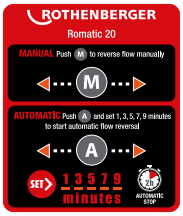
Technical data

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 l
Pump head	10 m

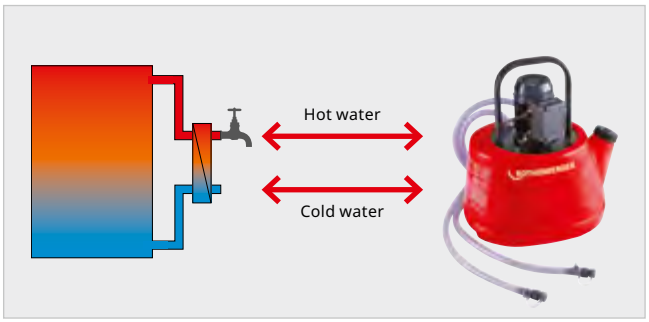
Fig. ROCAL 20

Fig. ROMATIC 20

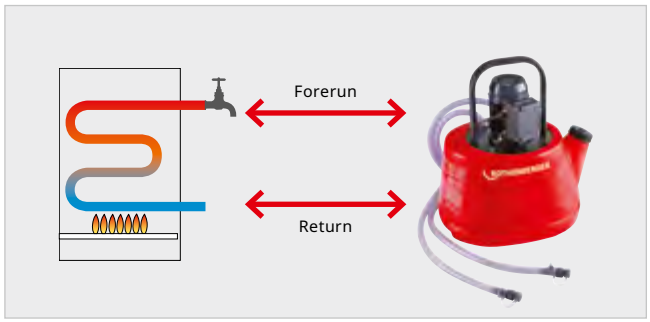
Automatic flow reversal!



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 × hoses with 1/2″ connection (2 m long), 2 × double nipple 1/2–3/8″, 2 × double nipple 1/2–3/4″, 2 × double nipple 1/2–1/2″, 2 × double socket 3/4–3/4″, 2 × reduction piece 1/2–3/4″

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 254

RO SERVICE+ only valid in participating countries.

Demineralization cartridge PURE H_2O

Demineralization cartridge. Tested 2-component mixed bed resin for reliable full demineralization of the heating water according to VDI 2035

With the new PURE 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
- The colour change of the ion exchanger resin indicates the consumption of the cartridge

„Plug & Play“ system

Cartridge regulates all relevant parameters to fill the system with technical water according to the standards

Use of high quality color change resin

The resin changes its color and indicates to the craftsman when it is used up.

Different sizes of cartridges available

Every system is different and requires different amounts of water. ROTHENBERGER has solutions for all these requirements

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

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°GH[1]	2.000 l	4.000 l	7.000 l
Capacity at 14°GH[1]	140 l	280 l	500 l

Model	Weight	PU	No.
PURE H_2O (S) demineralization cartridge	1.800 kg	1	1500004290
PURE H_2O (M) demineralization cartridge	3.000 kg	1	1500004322
PURE H_2O (L) demineralization cartridge	6.200 kg	1	1500004325
PURE H_2O Wall-mounted station set	2.500 kg	1	1500004350

1) GH = German hardness

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	●	○

● suitable ○ unsuitable

	ROCAL Acid Multi	ROCAL Acid Plus
Aluminium	●	○
Brass	●	○
Plastic	●	○

● suitable ○ unsuitable

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

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

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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

ROSOLAR PUMP / ROSOLAR PUMP PLUS

230 V

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 space-saving 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 l

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

Scope of delivery: ROSOLAR Pump 2 × 3 m hose with 3/4″ connection, fleece filter bag, return flow cover, operation manual

ROPUMP SUPER PLUS

Quick—Compact—Handy!

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

Short adaptor

Long adaptor

Single-cast main body

Withstands the heaviest loads

Ergonomic D-handle

Perfect transmission of force and optimal handling

Adaptor short
No. 72072

Piston with silicon sealing lip

Effortless handling

Flexible, in all directions adjustable handle

Optimal adaption to the cleaning job

Short and long adaptor included in scope of delivery!

Adaptor long
No. 72071

Adaptor wide
No. 72073

Model	Weight	PU	No.
ROPUMP SUPER PLUS with 2 Adaptors long, short	2.330 kg	1	072070X
ROPUMP SUPER PLUS with 3 Adaptors long, short, wide, tool bag	2.920 kg	1	1000001762
ROPUMP SUPER PLUS Adaptor wide, ROBUCKET	5.500 kg	1	1000002823
Adaptor wide, for ROPUMP SUPER PLUS	0.400 kg	1	72073
Adaptor short, for ROPUMP SUPER PLUS	0.160 kg	1	72072
Adaptor long, for ROPUMP SUPER PLUS	0.660 kg	1	72071

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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

Flexible socket

Various areas of application

Model	Weight	PU	No.
ROPUMP with flexible socket	0.500 kg	1	71991

ROSPI H+E Plus

Professional manual and electrical drain cleaning unit

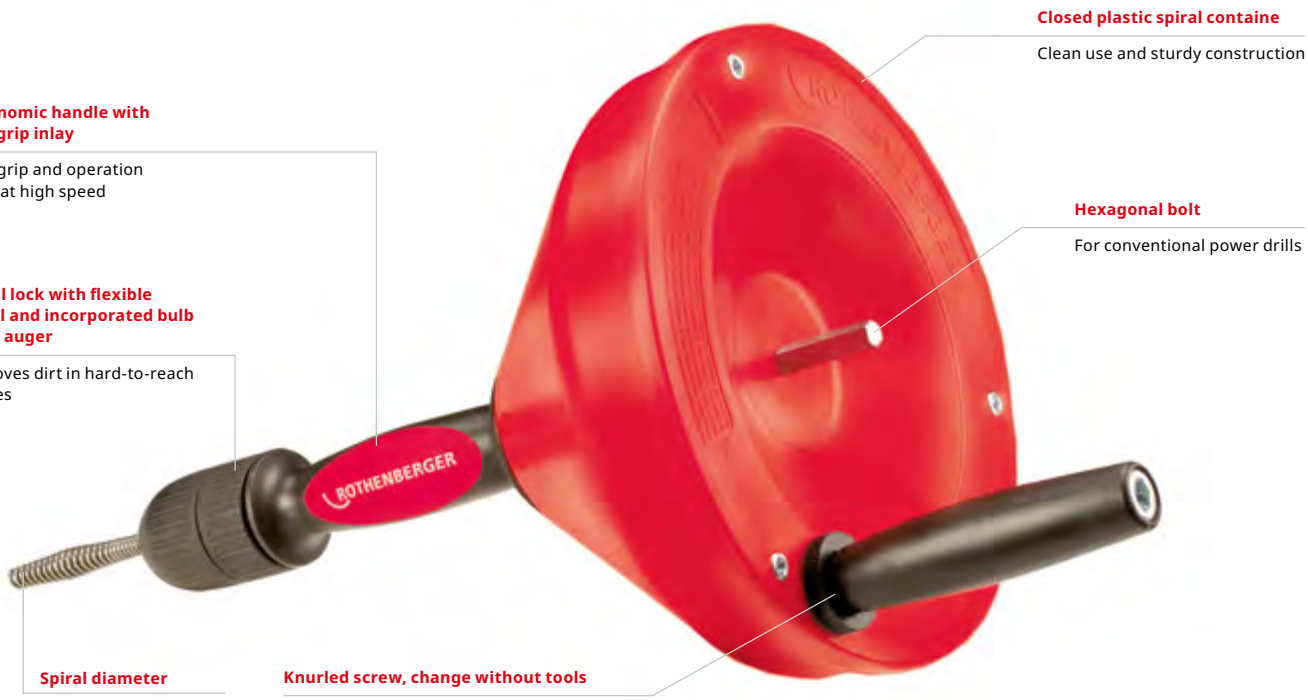
Clean and comfortable removal of obstructions in kitchen, bath, toilets or drainage openings with drain cleaning spiral.

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

Manual operation

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

For spare spirals see page 279

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 bulb auger and 16 mm 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

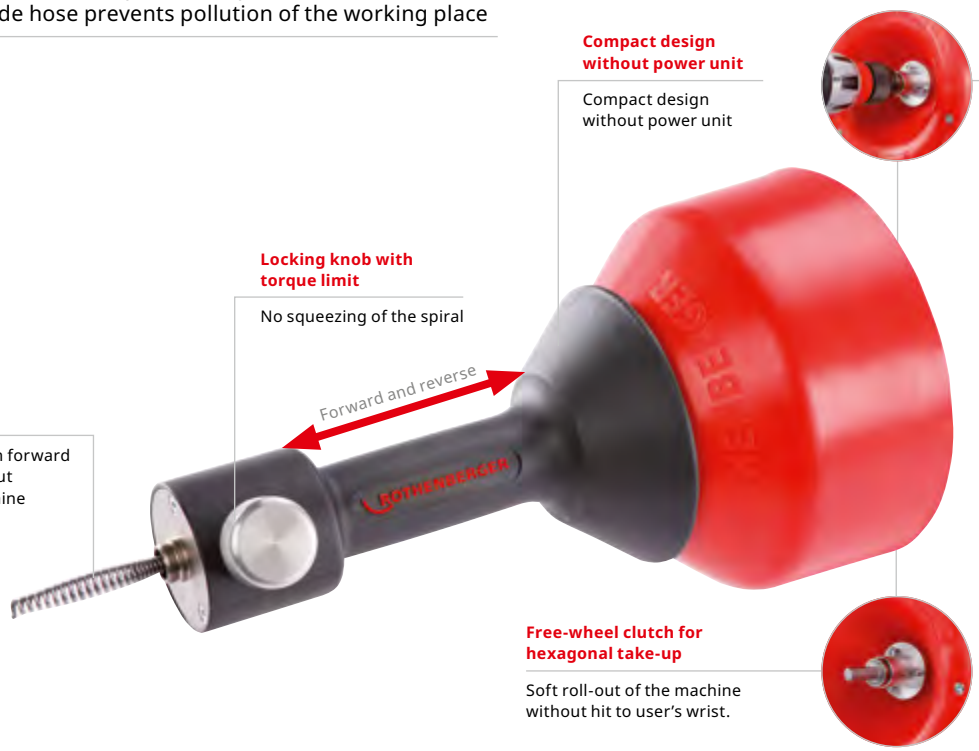
Effective removal of obstructions in access lines with a one-of-a-kind spiral forward and reverse system without changing the rotational direction.

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

Set (No. 1000002299) includes: ROSPIMATIC CL set incl. spiral 8 mm × 7.5 m with bulb head (No. 72413), spiral 8 mm × 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	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

RO SERVICE+ only valid in participating countries.

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.

230 V

RO SERVICE+

Application benefits

- Extremely light
- Direct attachment of 16 mm spirals
- Maximum working length 40 m, with Ø 16 mm S-spiral

Technical data

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 277

R 600

Drain cleaning machine for pipe Ø 20–150 mm

Universal use both indoors and outdoors: The powerful motor works reliably even against stubborn obstructions. A wide range of accessories is available.

230 V

RO SERVICE+

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	620 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 a. spiral-tool set (No. 72956X)	58.900 kg	1	19173

Tool sets starting on page 277

RO SERVICE+ only valid in participating countries.

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 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

Technical data

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
Type battery	Li-HD
Capacity battery	8 Ah
VarioClean speed levels	427 / 527 / 614 rpm

VarioClean-Electronic
Optimum adaptation to the type of blockage for faster work progress

LED site light
Perfect illumination of the work area

Versatile application
70 tools with 5 different types of spirals

Spiral holder / Spiral separator
Safe insert and separation of new spiral segments

Multigrip Center-Lock clamping system
For spiral sizes 16 and 22 mm. Automatic adaption to all sizes

Battery system
Suitable for CAS battery system

Brushless Motor
For wear-free work and longer machine life

Model	Weight	PU	No.
R 600 VarioClean baretool	13.000 kg	1	1000003345
R 600 VarioClean with DuraFlex SMK spirals 16–22 mm, 8 Ah battery, charger	50.700 kg	1	1000003346
R 600 VarioClean with 8 Ah battery, charger	18.700 kg	1	1000003372

For spare spirals see page 279

RO SERVICE+ only valid in participating countries.

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.

Drive lever can be fitted on the side

Flexible use

230 V

RO SERVICE+

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 Ø 8 and 10 mm with adaptor magazine possible
- Maximum working length 65 m, with Ø 22 mm S-spiral

Technical data

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 277

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.

Full rubber transport wheels

Comfortable transport, high mobility and a secure stand

230 V

RO SERVICE+

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

Tool sets starting on page 277

RO SERVICE+ only valid in participating countries.

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

Technical data

Spiral diameter	10–13 mm
Working area diameter	40–100 mm

Interchangeable drum

Fast change between Ø 10 mm and 13 mm spirals, easy to carry

Spiral protection

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

Rubber feet

No damage to the floor

2-in-1 feeding unit

Suitable for Ø 10 mm and Ø 13 mm spirals

Model	Weight	PU	No.
RODRUM S 10 EU	18.900 kg	1	1000001256
RODRUM S 13 with tool set, EU	25.700 kg	1	1000001257
Spiral 13 mm × 15 m with reinforced wire	10.400 kg	1	72016

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 279

Cleaning of floor drain with 13 mm spiral

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)

RO SERVICE+ only valid in participating countries.

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 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 battery-powered 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
Type battery	Li-HD
Capacity battery	8 Ah
VarioClean speed levels	275 / 340 / 395 rpm

LED site light

Perfect illumination of the work area

Spiral protection

Fastest possible relief of the spiral by simply releasing the the handle of the feeding unit

VarioClean-Elektronic

Optimum adaptation to the type of blockage for faster work progress

Brushless Motor

For wear-free work and longer machine life

Battery system

Suitable for CAS battery system

Pneumatic foot switch

For hands free safe working

2 in 1 feeding unit

Suitable for Ø 10 mm and Ø 13 mm spirals

Mount for tripod

Optimum working height for cleaning WC and washbasin sink drains

Interchangeable drum

Quick change between 10 mm or 13 mm spirals and easy transport

Model	Weight	PU	No.
RODRUM VarioClean bare tool, DuraFlex spiral 13 mm, spiral-length 15 m	21.800 kg	1	1000003347
RODRUM VarioClean, DuraFlex spirale 13 mm, spiral-length 15 m, 8 Ah battery, charger	26.600 kg	1	1000003371
RODRUM VarioClean, DuraFlex SMK spiral 13 mm, spiral-length 15 m , tool set 16 mm, 8 Ah battery, charger	29.000 kg	1	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 279

RO SERVICE+ only valid in participating countries.

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, 15 m spiral lenght, with tool set, EU	45.500 kg	1	1000001711
RODRUM M 16, 15 m spiral lenght, 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, 15 m spiral lenght, with tool set, EU	51.900 kg	1	1000001713
RODRUM L 20,20 m spiral lenght, with tool set, EU	68.000 kg	1	1000001714

RO SERVICE+ only valid in participating countries.

RODRUM M and L drums

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[1]	0.320 kg	1500002253
Funnel auger, 20 mm[1]	0.550 kg	1500002254
Bulb auger, 20 mm[1]	0.400 kg	1500002255
Retrieving auger, 20 mm[1]	0.120 kg	1500002256
Peak-head auger, 20 mm[1]	0.400 kg	1500002257
Cross-blade cutter 50, 20 mm[1]	0.160 kg	1500002258
Cross-blade cutter 65, 20 mm[1]	0.230 kg	1500002259
Cross-blade cutter 90, 20 mm[1]	0.390 kg	1500002260
Chain-spinning head 4 chains, 20 mm[1]	0.300 kg	1500002261
Forked cutter 60, 20 mm[1]	0.100 kg	1500002262

Accessories	Weight	No.
Forked cutter 80, 20 mm[1]	0.150 kg	1500002263
Forked cutter 100, 20 mm[1]	0.200 kg	1500002264
Two-way root cutter 65, 20 mm[1]	0.390 kg	1500002265
Two-way root cutter 90, 20 mm[1]	0.460 kg	1500002266
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 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 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.

No. 72538

No. 72536

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 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.

No. 72666

No. 72638

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

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

No. 72514, No. 72515

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

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

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

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 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

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

11

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

Model	Weight	PU	No.
Spiral retrieving device	3.700 kg	1	72135

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, 0.2 l	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

No. 1500000439

No. 72120 / 72121

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

No. 72100

No. 72101

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

No. 72111

No. 72112

Model	Weight	PU	No.
For spirals with Ø 16 mm	1.300 kg	1	72110
For spirals with Ø 22–32 mm	2.300 kg	1	72111
For spirals with Ø 22 mm	1.600 kg	1	72112

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

With lockring Plus

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.

Sufficient connecting coil

Spare couplings can be mounted easily

Various wire gauges

Flexible, depending on use

ROPOWER profile cable

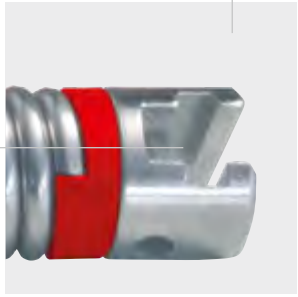
Additional cleaning effect with the squared profile

Plastic core

Spiral won't clog with dirt

Insertion taper

Simple coupling of spirals and tools



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	●	○	○	○
SMK-spiral	●	○	●	○
DuraFlex spiral	●●	○	●	○
S-spiral	○	●	○	○
S-SMK-spiral	○	●	●	○
ROPOWER profile	○	●	●	●

● suitable ○ 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

Profile edge

50 % more cleaning power when used with the spiral tools

Model	Weight	PU	No.
Spiral ROPOWER, 16 mm (5/8″), length 2.3 m	1.300 kg	1	72490

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

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-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

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

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

Model	Weight	PU	No.
Spiral S-SMK, 16 mm (5/8″), length 2.3 m, wire 3.5 mm, R/K E 8	1.300 kg	1	72435
Spiral S-SMK, 22 mm (7/8″), length 4.5 m, wire 5 mm, R/K E 10	4.780 kg	1	72444
Spiral S-SMK, 32 mm (1.1/4″), length 4.5 m, wire 6 mm, R/K E 11	7.850 kg	1	72455

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

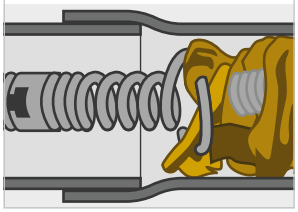
Application areas for ROTHENBERGER high-performance drain cleaning tools with T-groove secure couplings.

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.

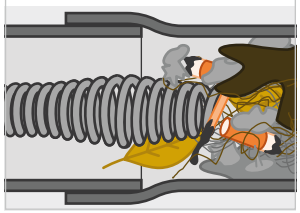
Retrieving auger

Special tool for retrieving objects from the pipe, e. g. textiles, spirals or tools



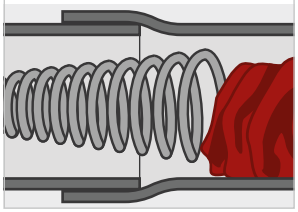
Bulb auger

The most common tool for cleaning pipes and drains with tight or multiple bends



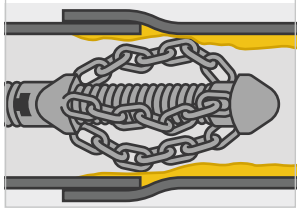
Funnel auger

Tool for removing, opening or retrieving obstructions caused by, e. g. textiles



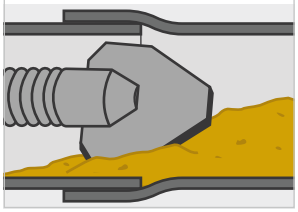
Chain-spinning head

For concrete, cast iron and ceramic pipes. Intensive action. Without rings for tight pipe bends, with 4 chains



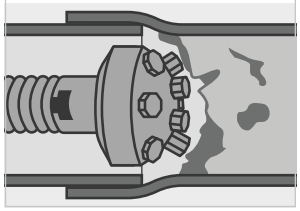
Spade head cutter

Special tool for removing silt or sludge deposits in pipes, and as a follow-up tool



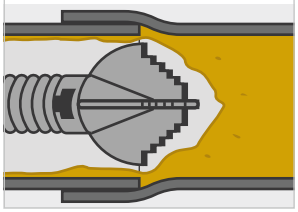
Carbide-tipped cutters

This carbide-tipped tool is used to remove the hardest obstructions such as cement, urine and water scale etc.



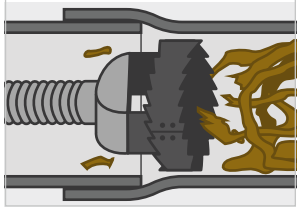
Cross-blade cutter, serrated

Special tool for opening solidified pipe obstructions and as a preparatory tool for chain suspensions



Two-way root cutter

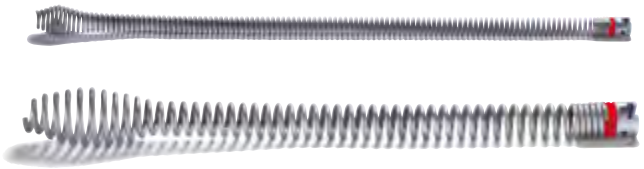
Special tool for cutting roots in both directions. Also suitable for solid materials



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

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

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

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

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

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

No. 72154

Hardened spring steel blades!

No. 72164

Model	Weight	PU	No.
Coupling 16 mm (5/8″), working range 50–75 mm	0.030 kg	1	72154
Coupling 16 mm (5/8″), working range 50–75 mm	0.020 kg	1	72164

Grease cutter

Application benefits

- Standard tool for removing grease and other soft deposits, e. g. soap accumulations

No. 72234

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

Spade head cutter

Application benefits

- Curved special tool for silt and sludge deposits

No. 72261

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

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

11

Cross-blade cutter, serrated

Application benefits

- 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

Chain-spinning heads

Without ring, with smooth chain

No. 72284

Improved mobility!

Application benefits

- For cleaning greasy and incrusted pipes
- Surface-preserving cleaning or ceramic and plastic pipes
- Without ring: improved manoeuvrability in bends

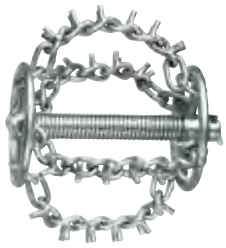
Model	Weight	PU	No.
Without ring, with 2 chains			
Coupling 16 mm (5/8″), working range 50–125 mm	0.120 kg	1	072185F
Coupling 16 mm (5/8″), working range 100–125 mm	0.160 kg	1	72185
Coupling 22 mm (7/8″), working range 100–150 mm	0.530 kg	1	72284
Without ring, with 4 chains			
Coupling 16 mm (5/8″), working range 60–125 mm	0.270 kg	1	72187
Coupling 22 mm (7/8″), working range 80-130 mm	0.710 kg	1	72289

No. 72289

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



No. 72286

Ideal for final cleaning!

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

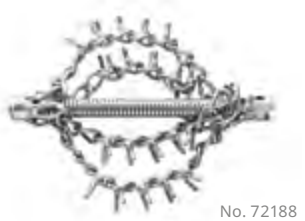
Better alignment in horizontal pipe position!

No. 72278

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!



No. 72188

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

Serrated forked cutter

Application benefits

- Particularly suitable for sludge deposits and roots
- Hardened spring steel cutter with teeth on both sides, long service life

No. 72251

No. 72250

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

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!

No. 72266

No. 72265

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

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°

No. 72326

No. 72227

Model	Weight	PU	No.
4 Blades			
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

RO CASE

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 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 L, 22 mm, for R 600 / 650 / 750

RO CASE

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, 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

RO CASE

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

RO CASE

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

RO CASE

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

RO CASE

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

RO CASE

Standard Ø 16 / 22 mm

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. 72412

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.

Application benefits

- Allows the combination of different spiral diameters

Reducing piece

No. 72460

Model	Weight	PU	No.
Reducing negative 22 mm, positive 16 mm	0.150 kg	1	72460

Extension piece

No. 72461

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.

Fixing of broken spirals!

Application benefits

- Replacing broken spiral couplings

for Standard- and SMK-spirals

No. 72210

No. 72211

Model	Weight	PU	No.
Safety T-couplings positive, coupling 16 mm	0.020 kg	1	72150
Safety T-couplings negative coupling 16 mm	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	13 l / min	17 l / min
Power	2,300 W	5,000 W

HD 13 / 100

230 V

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 (230 V)
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

400 V

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 (400 V)
Pump delievery	17 l / min
Rating	5.0 kW
Max. working length	40 m
Speed	2,800 rpm

Ø 200 mm

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

No. 76065

No. 76089

Injector suction hose

for cleaning agent

No. 76067

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

PHD
7.5TON
CAT
06059008
APOIO
ROTHENBERGER
ROTHENBERGER

Plastic pipe welding

System overview **286–287**

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ROWELD type Professional 291
ROWELD type Standard 292
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Butt welding manual
ROWELD P110 296
ROWELD P160 SANILINE 298
ROWELD P250A 300

Electrofusion welding
Electrofusion welding units 302–303

Socket welding
Socket welding units / heating plates 304–307

Accessories
Cutting tools 308–311

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	CNC controlled	Manual	Manual	Manual	CNC controlled
Documentation	●	○	○	○	●
Page	**290**	**291**	**292**	**294**	

Butt welding manual

	ROWELD P250A	ROWELD P160	ROWELD P110
Suited for	PE, PP, PVDF	PE, PP, PVDF	PE, PP, PVDF
Outer pipe diameter	40–250 mm	40–160 mm	40–110 mm
Operation mode	Manual	Manual	Manual
Page	**300**	**298**	**296**

Electrofusion welding

	ROFUSE 1200 TURBO	ROFUSE 400 TURBO	ROFUSE TURBO S	ROFUSE SANI 160 / 315
Suited for	PE, PP	PE, PP	PE, PP	PE
Outer pipe diameter	Up to Ø 1,200 mm[1]	Up to Ø 400 mm[1]	Up to Ø 160 mm[1]	40–160 mm[1] / 40–315 mm[1]
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	●	●	●	○
Page	**302**	**302**	**302**	**303**

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1) Consider technical data of the socket

Socket welding

	ROWELD P125	ROWELD P63 S-6 Sword
Suited for	PE, PP	PE, PP
Outer pipe diameter	16–125 mm	20–63 mm
Operation mode	Manual	Manual
Function	Butt welding, socket welding	Socket welding
Page	**306**	**304**

Socket welding

	Heating element HE 120	Heating element HE 200	Heating element HE 300
Suited for	PE, PP, PVDF	PE, PP, PVDF	PE, PP, PVDF
Outer pipe diameter	Up to Ø 120 mm	Up to Ø 200 mm	Up to Ø 300 mm
Operation mode	Manual	Manual	Manual
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Peeling / Cutting

	Peeling device	ROCUT UKS 160 / 355	ROCUT XL
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
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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[1]	optimized[1]	standard
Clamping system	single	single	multilayer (single optional)
Service	extended	extended	standard[2]
Datalogging	10,000 protocols	○	optional
Accordance to normatives	DVS / ISO	DVS / ISO	○
Weight optimized machine	●	●	○
Optimized power consumption for generator use	●	●	○
Automatic parameter calculation	●	○	○
CNC–control	●	○	○

1) 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.

Img. similar

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	Ø mm
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

Application benefits

- Use of durable materials in lightweight construction
- Automatic logging of the welding process
- Easy handling due to touch control panel

Simple operation

Ideally matched components allow precise start-up of the pressure

Flexible

The 3rd basic clamping element can be moved flexibly

Set P355B
No. 1000000563

Robust, torsionally rigid frame

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[1]

Model	Working range	Voltage	Frequency	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

1) 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.

Application benefits

- Use of durable materials in lightweight construction
- Robust and low-maintenance compact design
- Electronic control of the heating element temperature

Working range:

Description	Ø mm
P160B	40–160 mm
P200B	63–200 mm
P250B	90–250 mm
P355B	90–355 mm
P500B	200–500 mm
P630B	315–630 mm
P800B	500–800 mm
P1200B	710–1,200 mm

Simple operation

Ideally matched components allow precise start-up of the pressure

Img. similar

Flexible

The 3rd basic clamping element can be moved flexibly

Set P355B
No. 1000000383

Robust, torsionally rigid frame

Allows reliable weldings in Virtually any environment

ROWELD plastic pipe welding machines type Professional[1]

Model	Working range	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 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

1) 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 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	Ø mm
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.

Application benefits

- Compact, torsion-resistant design
- Reducers in sandwich construction
- Integrated digital timer and temperature display in hydraulic housing

Simple operation

Easy monitoring of all necessary parameter

Flexible

The 3rd basic clamping element can be moved flexibly

Robust, torsionally rigid frame

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[1]

Model	Working range	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

1) 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

Model	Weight	PU	No.
Reduction inserts set for P160B 40–140 mm	18.050 kg	1	55240
Reduction inserts set for P200B 63–180 mm	11.500 kg	1	55237
Reduction inserts set for P250B 90–225 mm	14.600 kg	1	55241
Reducer-Clamps set for P355B 90–140 mm	31.000 kg	1	1000000550
Reducer-Clamps set for P355B 160–315 mm	70.000 kg	1	1000000385
Reduction inserts set for P500B 200–450 mm	250.000 kg	1	55234
Reduction inserts set for P630B 315–560 mm	213.000 kg	1	55232
Reducer-Clamps set for P800B 500–710 mm	503.200 kg	1	1000000935
Reducer-Clamps set for P1200B 710–1,000 mm	1,384.000 kg	1	1000000936

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 torsion-resistant structure
- Welding in accordance with DVS 2207 through electronic adjustment of the heating element temperature
- The compact design of the machines requires minimal space

Production of a Y-piece on a workshop machine

Exchange of the clamping jaws possible

Easy to make T-pieces, Y-pieces, crosses and elbows

CNC controlled welding

Entering the pipe parameters via touch display

Swivel arm for control

Makes checking the weld easier

Production of an angle with a CNC-controlled CNC machine

Manual workshop machine with tool and reducers

Figures similar

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

Narrow basic clamping elements can be used

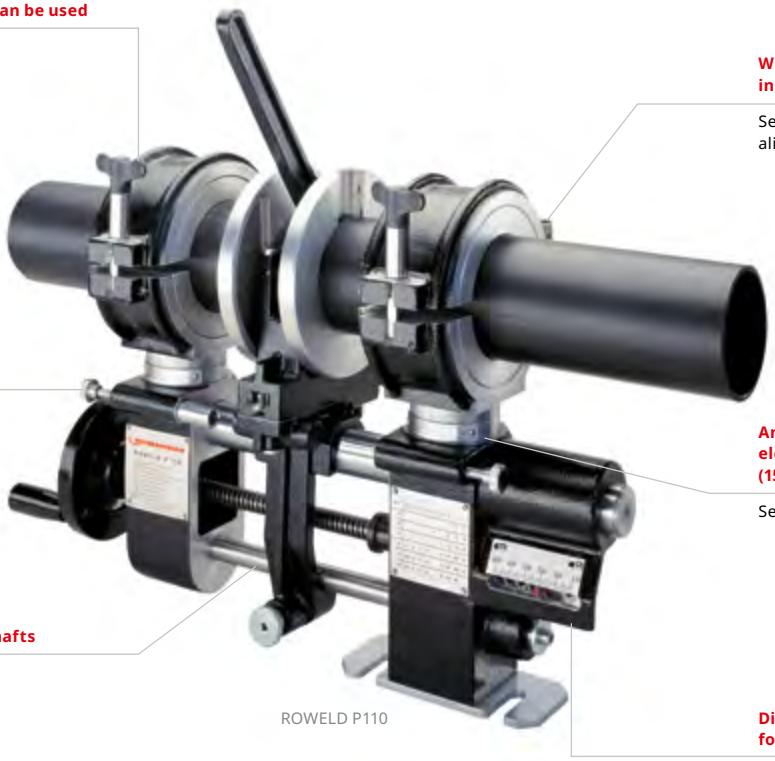
Segmented bends can be produced

Mechanical stop adjustable from both sides

Single and double-sided trimming possible

Hardened, chrome-plated guide shafts

Absolutely warp-resistant



ROWELD P110

Wide aluminium reducer clamp inserts for pipes and pipe joints

Secure hold and simple axial pipe alignment

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

Segmented bends can be produced

Direct force transmission and clear force scale

Precise pressure adjustment

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

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

Multiple clamping options

Any fitting in sanitary installations can be clamped

Non-slip clamping devices Ø 40–140 mm with clamping force regulation

Secure clamping of pipes, fittings and tight elbows

ROCASE 4414

Additional space for tools and accessories

ROWELD Saniline No. 54004

Img. similar

Stop adjustable on both sides

Trimming of both sides, also separately only one side trimming possible

Direct force transmission and clear force scale

Precise force adjustment

ROWELD P160 SANILINE

ROWELD SANILINE P160 basic tool No. 54005

Model	Weight	PU	No.
ROWELD P160 Saniline, basic tool	34.400 kg	1	54005
ROWELD P160 Saniline, 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

ROWELD P250A

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

Input power	2,700 W
Voltage	230 V
Working area diameter	40–250 mm
Working area Temperature	5–60 °C
Power plug type	Plug type F (CEE 7 / 4)
Documentation	Yes
Mains frequency	50 Hz
Welding material	PE, PP, PVDF

Stop adjustable on both sides

Trimming of both sides, also separately only one side trimming possible

Electric, high torque safety trimmer (450 W) with safety lock in working area

Protection against unintentional start and jump-out

Heating element, can be taken out

Flexible, for difficult positions

ROWELD P250A

Basic clamp devices Ø 250 mm with reducer clamps Ø 180–225 mm and supports as well as basic clamp devices Ø 160 mm with reducer clamps Ø 40–140 mm and supports

Secure transfer of welding force

Smooth-running machine slide mounted on hardened, chrome-plated guide shafts guided in ball bushings

Torsionally stiff, for minimum drag pressure and low-loss power transmission

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	57.070 kg	1	55768
ROWELD P250A bare tool 110 V	36.000 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 (not for ROFUSE TURBO S)
- 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	ROFUSE 400/1200 TURBO	ROFUSE TURBO S
Input power	3,600 W	1,600 W
Voltage	220–240 V	230 V
Working area diameter	20–1,200 mm	20–160 mm
Working area Temperature	-10–60 °C	-20–50 °C
Output power	3,600 W	1,600 W
Power plug type	E+F (CEE 7/7)	E+F (CEE 7/7)
Documentation	Yes	Yes
Welding Voltage	8–48 V	8–48 V
Output current	76 A	max. 60 A
Welding material	PE, PP	PE, PP

ROFUSE 400 TURBO

Robust housing

Cable can be stowed safely

Adjustable height cover

Useable as a sun Visor

Language-neutral instruction

Easy to use

Well arranged display

Intuitive work. Program schedule can be changed individual

Wireless scanner

Simple and unlimited handling

ROFUSE TURBO S

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 for ROFUSE 400/1200 TURBO	0.040 kg	1	54058

RO SERVICE+ only valid in participating countries.

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)
Output current	5 A
Mains frequency	50 / 60 Hz
Welding material	PE

Welding also in tight space

90° elbow connectors ensure low installation height

ROFUSE Sani 160

Robust housing

Robust

Clear illuminated display

Visual control of welding process

Simple and intuitive operation

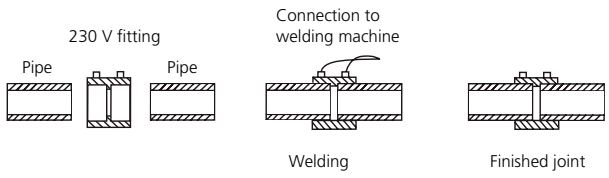
Icon-based software control with automatic welding parameter recognition

3 m welding cable

Big working radius

90° angeled plugs

Robust packaging in ROCASE

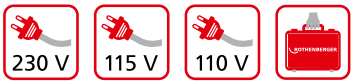


Model	Weight	PU	No.
ROWELD ROFUSE SANI 315 230 V	1.500 kg	1	1500002598
ROWELD ROFUSE SANI 315 in ROCASE	3.900 kg	1	1000002631
ROFUSE SANI 160 / 315 230 V, CH	1.200 kg	1	054230Z
ROWELD ROFUSE SANI 160 in ROCASE	2.400 kg	1	1000002630

RO SERVICE+ only valid in participating countries.

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 guidelines
- 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	110 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

Control lights for power supply and control intervall

All important information at a glance

Isolation prevents heat transport to housing

Heat protection

3 holes for using several welding sockets at the same time

High flexibility and several combinations possibility for daily use

Temperature switch for electronic tmperature control

Save process due to temperature control according to DVS guidelines

Heating sockets and heating mandrels (Ø 20–63 mm) with high-quality PTFE non-stick coating

Long lifetime according to DVS guidelines

ROWELD P63 S-6

Automatic heatprotection

Machine safety

Heating plate with an especially narrow sword form

Simple to use even in confirmed spaces

Unit has an integrated and retracable floor stand

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.

Application benefits

- 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

230 V

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

230 V 115 V 110 V

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.

Application benefits

- 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

Heating element for freehand work

Model	Weight	PU	No.
Heating plate electronic, 120 mm, 45°, 230 V	1.800 kg	1	55518
Heating plate electronic, 200 mm, 230 V	1.920 kg	1	55316
Heating plate electronic, 300 mm, 230 V	5.350 kg	1	55317
Heating plate electronic, 120 mm, 45°, 110 V	1.800 kg	1	55517
Heating plate electronic, 200 mm, 110 V	1.920 kg	1	55851
Heating plate electronic, 300 mm, 110 V	5.350 kg	1	55854

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

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 tubes
- Long durability thanks to carbide peeling knife
- Automatic feed enables even chip removal
- Easy operation and low effort during the peeling process

No. 1500004346

No. 1500004347

No. 1500004348

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

No. 1500004349

Squeezing device

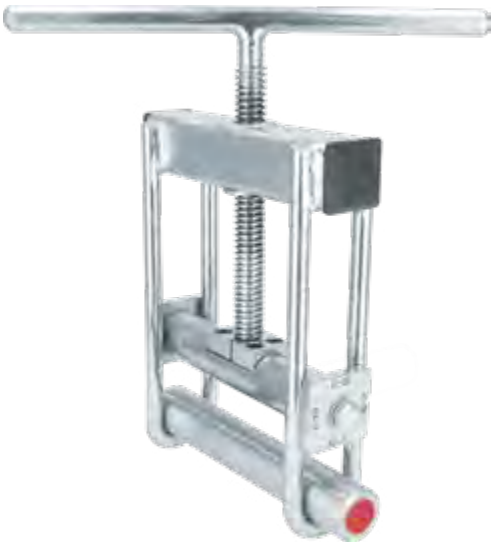
Squeezing device for PE pipes. Spacers on both sides of the device to avoid pipe damages. Due to robust design, ideal for use at construction site

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.

Application benefits

- Distance plates prevent damage to the pipe on the sides
- Simple robust construction—ideal for use on construction sites



Squeezing device mechanical

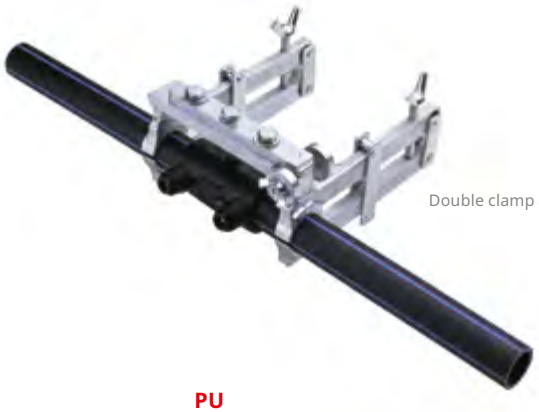
Model	Weight	PU	No.
Squeezing device mechanical, 32–63 mm	5.000 kg	1	1500005050
Squeezing device hydraulic, 75–180 mm	37.000 kg	1	53210
Squeezing device hydraulic, 160–225 mm	55.600 kg	1	53220

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



Double clamp adjustable

Model	Weight	PU	No.
Double clamp adjustable, 32 mm	1.500 kg	1	53251
Double clamp adjustable, 40 mm	2.125 kg	1	53252
Double clamp adjustable, 50 mm	2.380 kg	1	53253
Double clamp adjustable, 63 mm	2.520 kg	1	53254

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

Double clamp short

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

Application benefits

- Quadruple clamping device for aligning and fixing the tubes before and during the welding process
- For the production of control joints for bar stock

Quad clamp

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

Re-Rounding clamp

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

230 V

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

Safe operation

Circular saw

Central clamping

Perfect pipe centering

Rubberised guide rollers

Right-angled cuts with no misalignment

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

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

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

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

ROCUT XL 125

Model	Weight	PU	No.
ROCUT XL 125 mm 4″	7.300 kg	1	1500000789
ROCUT XL 315 mm 12″	34.000 kg	1	1500000792
Spare blade 125 mm	0.270 kg	1	1500000793
Spare blade 315 mm	2.100 kg	1	1500000795

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

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.

Application benefits

- Flexible in use
- Wall thickness is continuously adjustable

Plastic pipe chamfering unit

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

ROTHENBERGER

Air conditioning and refrigeration technology

System overview **314–315**

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Complete solutions

	ROKLIMA MULTI 4F	ROCADDY 120 R32 Analog ROCADDY 120 R32 CL Analog	ROCADDY 120 R32 Digital ROCADDY 120 R32 CL Digital
Refrigerants class A1 (R134a, R410A etc.)	●	●	●
Refrigerants class A2 (R32, R1234yf etc.)	○	●	●
CO_2 subcritical (R744)	○	○	●
System size	< 24 kW	< 24 kW	< 24 kW
Page	**316**	**318**	**318**

Refrigeration circuit control

	ROCOOL 600	2- and 4-ways manifold connection 5/16″	2- and 4-ways manifold connection 1/4″	Pressure hoses
Refrigerants class A1 (R134a, R410A etc.)	●	●	●	●
Refrigerants class A2 (R32, R1234yf etc.)	●	●	○	●
CO_2 subcritical (R744)	●	○	○	●
System size	all	all	all	all
Page	**319**	**320**	**320**	**321**

Evacuation

	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_2 subcritical (R744)	●	●	●	●	●	●
Cordless	○	●	○	●	○	●
System size	< 24 kW	< 40 kW	< 74 kW	< 100 kW	< 123 kW	< 124 kW
Page	**325**	**324**	**325**	**324**	**325**	**325**

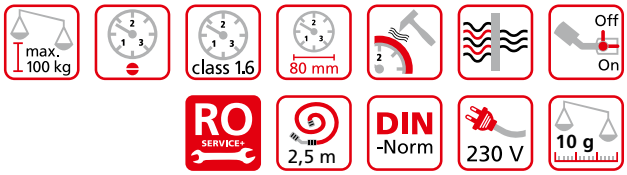
Recovery

	ROREC	ROREC Pro A3
Refrigerants class A1 (R134a, R410A etc.)	●	●
Refrigerants class A2 (R32, R1234yf etc.)	○	●
Refrigerants class A3 (R290, R650a etc.)	○	●
CO_2 subcritical (R744)	○	○
System size	< 24 kW	all
Page	**327**	**328**

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.



R410A | R22 | R134a | R407C | R404A

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**

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

Pull-out precision digital scale up to 100 kg

Secure stand for large and small containers

Interactive 16-digit display with 4 function buttons

All required parameters can be easily entered

3 different pressure gauges "Pulse-free", class 1.6, 80 mm

Universal use on air-conditioning units with all common refrigerants and operation in the high pressure range with R410A

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

Shock-resistant low pressure and high pressure gauges for various refrigerants

Secure storage of all accessories

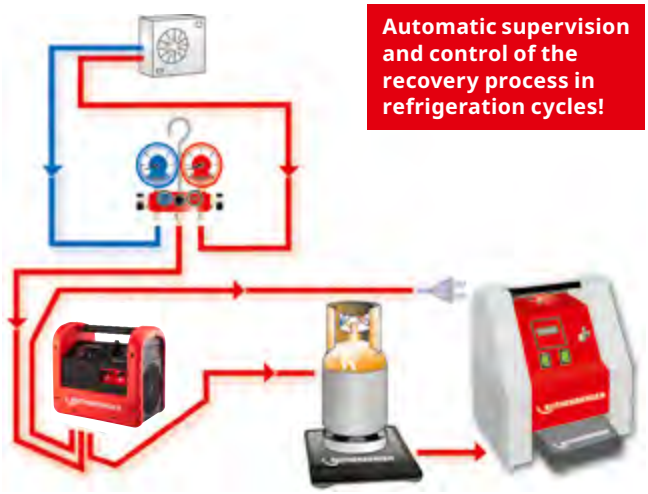
Pressure hoses: 2.5 m long with shut-off valve

Bottle adaptor No. 173204 / 05 for scale and 1/4″ reducing pieces

RO SERVICE+ only valid in participating countries.

ROKLIMA MULTI 4F

Automatic evacuation and filling with the ROKLIMA MULTI 4F!



Automatic supervision and control of the recovery process in refrigeration cycles!

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)

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

Secure storage of accessories: pressure hoses bottle adaptor, plastic capillary hose

Precision scale up to 100 kg
Resolution: 10 g
Accuracy: ± 1 %

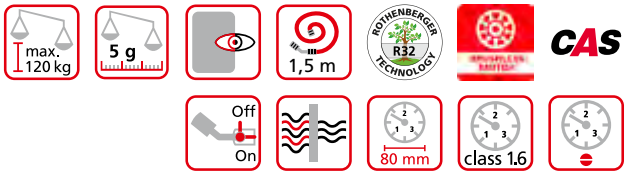
Ergonomic and compact

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 air-conditioning and refrigeration 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
- 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

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

Electronic digital scale up to 120 kg with high measurement precision

Precise weighing of refrigerant +/– 0,5 %

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

Automatic calculation of superheat and subcool. Optionally upgradable through attachment of a vacuum probe and a reading out function

Bottle adaptor for 1 kg and 2 kg refrigerant bottles for connection to the scale

Secure mounting of the bottle during charging

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 (0,4 l), TUBE CUTTER 35 (No. 70027), MINICUT II PRO (No. 70402), transport case (No. 169051)

Model	Weight	PU	No.
R410A · R22 · R134a · R407C · R404A · R32			
ROCADDY 120 R32 Analog	20.000 kg	1	1000002560
ROCADDY 120 R32 Digital	19.000 kg	1	1000002561

ROCADDY 120 R32 CL Analog / Digital (No. 1000003622/1000003623) includes:
2-stage battery 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 × [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), bottle connection for R32 (No. 173206), mineral oil (0,4 l), 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)

Model	Weight	PU	No.
R410A · R22 · R134a · R407C · R404A · R507 · R32			
ROCADDY 120 R32 CL Analog	21.000 kg	1	1000003622
ROCADDY 120 R32 CL Digital	20.000 kg	1	1000003623

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

Solid and non-tacky rubber coating

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

RO SERVICE+ only valid in participating countries.

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.

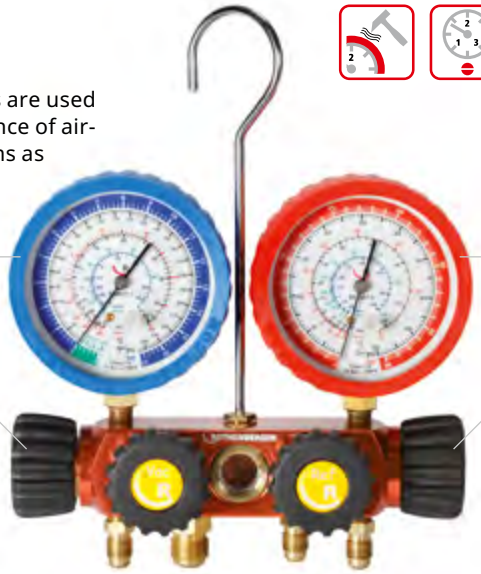
Pressure gauge Ø 80 mm, with pulse-dampening class 1.6

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

Valve sets



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 R407C 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, 5/16″SAE, 60 bar	1.010 kg	1	1000001426
4-way, 5/16″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)

Durable and highly precise tool

No. 170602

Pressure hose with ball valve “Plus” (only for 170602 and 170608)

No loss of refrigerant

Scope of delivery: manifold, pressure gauge with Ø 80 mm, “Pulse-free”, class 1.6, 3 × 1,500 mm pressure hoses, plastic carrying case

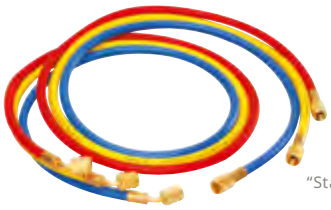
Model	Weight	PU	No.
R22 R134a R407C R404A			
Manifold set 2-way, Standard	2.700 kg	1	170600
R410A R32			
Manifold set 2-way, Standard	2.700 kg	1	170607
R22 R134a R407C R404A			
Manifold set 4-way I, Standard	2.800 kg	1	170601
R410A R32			
Manifold set 4-way I, Standard	2.800 kg	1	170606
R22 R134a R407C 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” series

“Standard” series	Weight	PU	No.
Vacuum hose 3/8″ SAE, 1.5 m	0.220 kg	1	1500000032
R22 **R134a** **R407C** **R404A**			
Set of 3 pressure hoses 1/4″ SAE, 1.5 m	0.760 kg	1	1500000024
Pressure hose yellow, 1/4″ SAE, 1.5 m	0.250 kg	1	1500000025
R410A **R32**			
Set of 3 pressure hoses 5/16″ SAE, 1.5 m	0.730 kg	1	1500000026
Pressure hose yellow, 5/16″ SAE, 1.5 m	0.250 kg	1	1500000027

Off / On · 1,5 m · Schnellwechselstandard nach SAE J2196

R410A **R32** **R22** **R134a** **R407C** **R404A**

“Plus” series

“Plus” series with ball valve	Weight	PU	No.
R22 **R134a** **R407C** **R404A**			
Set of 3 pressure hoses 1/4″ SAE, 1.5 m	0.895 kg	1	1500000028
Pressure hose yellow, 1/4″ SAE, 1.5 m	0.250 kg	1	1500000029
R410A **R32**			
Set of 3 pressure hoses 5/16″ SAE, 1.5 m	0.840 kg	1	1500000030
Pressure hose yellow, 5/16″ SAE, 1.5 m	0.250 kg	1	1500000031

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

The ideal introduction into a whole new area of business!

R32 **R22** **R407C** **R404A**

No. 170604

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

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 can be used without large Nitrogen bottle

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

13

5/16″ SAE adaptor for connecting to R410 units

Bottle adaptor for connecting 950 cm³ bottles

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 cm³	2.900 kg	1	259018
Nitrogen bottle à 950 cm³	1.235 kg	6	259008

ROLEAK PRO

Electronic leak detection device for locating leaks in refrigeration systems (3 g/a)

R410A
R22 R134a R407C R404A R507A R32

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

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)

Audio signal
Comfortable use

7 LEDs
Simple determination of the refrigerant concentrate with the coloured shading

RESET-button
Adjusts to the sensor tip zero point setting for simple leak location

3 different sensitivity levels
Exact and fast location of the leak

40 cm long, flexible sensor
Easy access in hard-to-reach places

No. 1500002241

Model	Weight	PU	No.
ROLEAK PRO	1.085 kg	1	1500002241

RO SERVICE+ only valid in participating countries.

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″ SAE M / 3/8″ SAE M	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

Battery LED indicator

Easy management of remaining battery power

Special filter

Reduces oil mist on exhaust vent

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

Available in the manufacturer-independent battery systems AMPShare—Powered by Bosch or CAS—Cordless Alliance System

No. 1000003229

No. 1000003231

No. 1000003230

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

RO SERVICE+ only valid in participating countries.

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.

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

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

Light and high-quality casing

Protects the integrated components

Ergonomic handle

Light, compact and easy to transport

Removable cable

Prevents cable damage

Integrated vacuum gauge

Simple and fast control of the evacuation process

Integrated solenoid valve

Prevents backwash of oil into the refrigeration system

Four-pole motor

Increased torque and long service life (only with ROAIRVAC R32 1.5, 3.0 and 6.0)

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

RO SERVICE+ only valid in participating countries.

ROAIRVAC series

Typ	ROAIRVAC R32 1.5	ROAIRVAC R32 3.0	ROAIRVAC R32 6.0	ROAIRVAC R32 9.0
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 / 255 l / min /
	2.5 m³/h	5.1 m³/h	10.2 m³/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″ SAE M / 3/8″ SAE M	5/16″ SAE M / 3/8″ SAE M	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

ROAIRVAC R32 6.0 (170 l/min)

ROAIRVAC R32 1.5—vacuum pump in use with the digital manifold ROCOOL 600

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

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

Integrated high pressure switch
Protects the integrated components

PURGE function
Emptying of refrigerant residue in the unit (self-cleaning mode)

Simple use
Controlled dosage of the refrigerant supply

RESET Button
Reset of the pressure shut-off

Removable cable
Prevents cable damage

Oil-free compressor
Maintenance-free operation

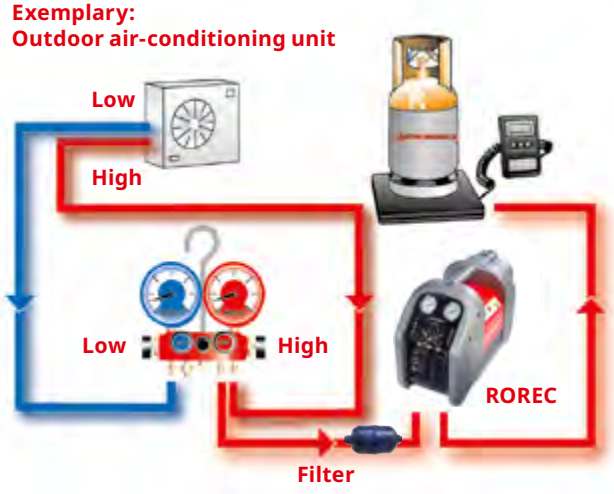
Thermal switch
Protects the unit from overheating

Light and compact plastic casing
Simple transport and use

4-pole motor
Increased torque and service life

Recovery of refrigerant

Exemplary:
Outdoor air-conditioning unit



Simple and precise reading with the glycol filled pressure gauge

Practical storage compartment for accessories on the back

Model	Weight	PU	No.
ROREC	17.000 kg	1	168605
Filter	0.120 kg	1	168713

RO SERVICE+ only valid in participating countries.

ROREC Pro A3

Refrigerant extractor

Refrigerant extraction unit with high extraction capacity for complete emptying of air-conditioning and refrigeration 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

Technical data

Recovery rate	gaseous: 0.5 kg/min; 30 kg/h fluid: 3.5 kg/min; 210 kg/h push/pull: 9.5 kg/min; 570 kg/h
Working area pressure	38.5 bar
Input power	750 W
Frequency	50–60 Hz
Voltage	220–240 V

Digital display

Clearly structured display of the measured pressure values

Low pressure switch

Automatic shut-off and automatic restart once the pressure increases again

Oil-free 2-piston compressor

Very high recovery rate with maintenance free operation

Purge function for complete draining of the recovery unit

Refrigerant filter for safe recovery included in the scope of delivery

Securely attached power cable

Model	Weight	PU	No.
ROREC Pro A3	12.000 kg	1	1500004451
Filter	0.120 kg	1	168713

RO SERVICE+ only valid in participating countries.

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 l and 2 l 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 1–2 l 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

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.

Standardised SAE thread on all bottle valves

Universal application

Model		Weight	PU	No.
R32	Refrigerant R32 in cardboard packaging			
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

RO SERVICE+ only valid in participating countries.

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

No. 170950, No. 1500003381

No. 01700RD

No. 173204, No. 173205

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
Lock valve W 1/4″ SAE to M 1/4″	1500004790
Lock valve R32/R410A W 5/16″	1500004791

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!

DIN -Norm

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

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	Weight	PU	No.
Torque wrench set 17–22–24–26–27–29 mm	1.700 kg	1	175001

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

Model	Weight	PU	No.
Schrader valve tool	0.450 kg	1	87800

Plate fin comb

Application benefits

- For straightening the plate fins of heat-exchangers
- 6 different sizes in one too

Img. similar

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)	$CHCLF_2$	0.05	1,810	
R134a (HFKW-chlorine-free refrigerant)	CF_3CH_2F	0	1,430	
R32 (HFKW-chlorine-free refrigerant)	CH_2F_2	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 high 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

ROTHENBERGER

Universal tools

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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
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″)
Length	185 mm (7″)	185 mm (7″)	254 mm (10″)	254 mm (10″)	185 mm (7″)	185 mm (7″)
Weight	0.245 kg	0.255 kg	0.490 kg	0.490 kg	0.215 kg	0.227 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
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ROGRIP pliers

	ROGRIP F 10″ 1K	ROGRIP F 10″ 2K	ROGRIP XL
Working range	Ø 60 mm (2″)	Ø 60 mm (2″)	Ø 102 mm (3.1/2″)
Length	254 mm (10″)	254 mm (10″)	440 mm (16″)
Weight	0.470 kg	0.480 kg	1.400 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	**342**	**342**	**343**

Water pump pliers

	SP 7″	SP 10″	SP 12″
Working range	Ø 34 mm (1″)	Ø 43 mm (1.1/4″)	Ø 48 mm (1.1/2″)
Length	175 mm (7″)	250 mm (10″)	300 mm (12″)
Weight	0.150 kg	0.290 kg	0.460 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	**344**	**344**	**344**

Water pump pliers

	SPK 7″	SPK 10″	SPK 12″
Working range	Ø 34 mm (1″)	Ø 43 mm (1.1/4″)	Ø 48 mm (1.1/2″)
Length	175 mm (7″)	250 mm (10″)	300 mm (12″)
Weight	0.165 kg	0.315 kg	0.475 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	**345**	**345**	**345**

Corner pipe wrenches 45°

	„Super S“ 10″	„Super S“ 12″
Working range	Ø 22 mm (1/2″)	Ø 34 mm (1″)
Length	250 mm (10″)	300 mm (12″)
Weight	0.400 kg	0.810 kg
Material	Chrome vanadium steel	Chrome vanadium steel
Page	**347**	**347**

Corner pipe 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 steel
Page	347	347	347	347	347

Corner pipe wrenches 45°

	16″	20″
Working range	Ø 48 mm (1.1/2″)	Ø 60 mm (2″)
Length	420 mm (16″)	540 mm (20″)
Weight	1.340 kg	2.400 kg
Material	Chrome vanadium steel	Chrome vanadium steel
Page	347	347

Pipe wrenches 90°

	12″	16″	20″
Working range	Ø 34 mm (1″)	Ø 48 mm (1.1/2″)	Ø 60 mm (2″)
Length	300 mm (12″)	420 mm (16″)	540 mm (20″)
Weight	0.740 kg	1.340 kg	2.400 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	347	347	347

Pipe wrenches 90°

	24″	36″
Working range	Ø 89 mm (3″)	Ø 114 mm (4″)
Length	640 mm (24″)	750 mm (36″)
Weight	3.400 kg	5.600 kg
Material	Chrome vanadium steel	Chrome vanadium steel
Page	347	347

One-handed pipe wrench HEAVY DUTY

	HEAVY DUTY 6″	HEAVY DUTY 8″	HEAVY DUTY 10″
Working range	Ø 22 mm (1/2″)	Ø 34 mm (1″)	Ø 48 mm (1.1/2″)
Length	152 mm (6″)	200 mm (8″)	250 mm (10″)
Weight	0.250 kg	0.400 kg	0.780 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	348	348	348

One-handed pipe wrench HEAVY DUTY

	HEAVY DUTY 12″	HEAVY DUTY 14″	HEAVY DUTY 18″	HEAVY DUTY 24″	HEAVY DUTY 36″
Working range	Ø 60 mm (2″)	Ø 60 mm (2″)	Ø 73 mm (2.1/2″)	Ø 80 mm (3″)	Ø 141 mm (5″)
Length	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 steel
Page	**348**	**348**	**348**	**348**	**348**

One-handed pipe wrench HEAVY DUTY

	HEAVY DUTY 48″	HEAVY DUTY 60″
Working range	Ø 168 mm (6″)	Ø 203 mm (8″)
Length	1,200 mm (48″)	1,500 mm (60″)
Weight	15.800 kg	24.000 kg
Material	Chrome vanadium steel	Chrome vanadium steel
Page	**348**	**348**

One-handed pipe wrench ALUDUR

	ALUDUR 10″	ALUDUR 14″	ALUDUR 18″
Working range	Ø 48 mm (1.1/2″)	Ø 60 mm (2″)	Ø 73 mm (2.1/2″)
Length	250 mm (10″)	350 mm (14″)	450 mm (18″)
Weight	0.480 kg	0.990 kg	1.630 kg
Material	Aluminium	Aluminium	Aluminium
Page	**348**	**348**	**348**

One-handed pipe wrench ALUDUR

	ALUDUR 24″	ALUDUR 36″	ALUDUR 48″	ALUDUR 60″
Working range	Ø 89 mm (3″)	Ø 141 mm (5″)	Ø 168 mm (6″)	Ø 200 mm (8″)
Length	600 mm (24″)	900 mm (36″)	1,200 mm (48″)	1,500 mm (60″)
Weight	2.510 kg	5.000 kg	8.420 kg	14.600 kg
Material	Aluminium	Aluminium	Aluminium	Aluminium
Page	**348**	**348**	**348**	**348**

One-handed pipe wrench STILLSON

	STILLSON 8″	STILLSON 10″	STILLSON 12″	STILLSON 14″
Working range	Ø 27 mm (3/4″)	Ø 34 mm (1″)	Ø 43 mm (1.1/4″)	Ø 48 mm (1.1/2″)
Length	200 mm (8″)	250 mm (10″)	300 mm (18″)	350 mm (14″)
Weight	0.280 kg	0.590 kg	0.715 kg	1.040 kg
Material	Steel, drop forget	Steel, drop forget	Steel, drop forget	Steel, drop forget
Page	**348**	**348**	**348**	**348**

One-handed pipe wrench STILLSON

	STILLSON 18″	STILLSON 24″	STILLSON 36″
Working range	Ø 60 mm (2″)	Ø 73 mm (2.1/2″)	Ø 102 mm (3.1/2″)
Length	450 mm (18″)	600 mm (24″)	900 mm (36″)
Weight	1.740 kg	3.080 kg	5.690 kg
Material	Steel, drop forget	Steel, drop forget	Steel, drop forget
Page	**348**	**348**	**348**

Pliers wrench

	ROFAST 7″ 1K	ROFAST 7″ 2K	ROFAST 10″ 1K	ROFAST 10″ 2K
Working range	Ø 40 mm (1.1/4″)	Ø 40 mm (1.1/4″)	Ø 50 mm (1.7/8″)	Ø 50 mm (1.7/8″)
Length	185 mm (7″)	185 mm (7″)	254 mm (10″)	254 mm (10″)
Weight	0.325 kg	0.325 kg	0.575 kg	0.575 kg
Material	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	**351**	**351**	**351**	**351**

Chain Pipe wrench

	CHAIN PIPE WRENCH 4″ R/L	HEAVY DUTY 1.1/2″	HEAVY DUTY 2.1/2″
Working range	Ø 115 mm (4″)	Ø 48 mm (1.1/2″)	Ø 73 mm (2.1/2″)
Length	325 mm	590 mm	685 mm
Weight	0.780 kg	1.400 kg	3.500 kg
Material	Steel, drop forget	Steel, drop forget	Steel, drop forget
Page	**349**	**350**	**350**

Chain Pipe wrench

	HEAVY DUTY 4″	HEAVY DUTY 6″	HEAVY DUTY 8″	HEAVY DUTY 12″
Working range	Ø 114 mm (4″)	Ø 168 mm (6″)	Ø 220 mm (8″)	Ø 324 mm (12″)
Length	1,000 mm	1,150 mm	1,270 mm	1,620 mm
Weight	6.700 kg	12.600 kg	17.200 kg	24.200 kg
Material	Steel, drop forget	Steel, drop forget	Steel, drop forget	Steel, drop forget
Page	**350**	**350**	**350**	**350**

Strap wrench

	EASYGRIP	FITTINGS WRENCH 3″	FITTINGS WRENCH 8″
Working range	Ø 20–160 mm (3/4–6″)	Ø 89 mm (3″)	Ø 220 mm (8″)
Length	320 mm	305 mm	305 mm
Weight	1.000 kg	0.280 kg	0.280 kg
Material	Aluminium	Aluminium	Aluminium
Page	**352**	**352**	**352**

Ratchet wrench sets

	UNI STEPPED KEY SET	ROCLICK
Working range	3/8–1″	8–10–11–13–14–17–19 mm
Volume	2 pieces	7 pieces
Material	Chrom-Vanadiumstahl	Chrom-Vanadiumstahl
Page	**353**	**354**

ROCASE case system

	ROCASE	ROBOX
Sizes	5	2
Volume	5.7–48.2 l	0.65–1.37 l
Weight	0.630–2.640 kg	0.090–0.170 kg
Material	ABS plastic	ABS plastic
Page	**378**	**379**

Power Tools

	RO DD55	RO DD60	RO ID400	RO AG8000	RO FL180
System battery	AMPShare	CAS	CAS	CAS	CAS
Type battery	Li-ion technology	Li-Power	Li-Power	Li-HD	Li-HD
Idle speed	0–1,800/min	0–450/min	0–2,150/min	8,000/min	○
Weight with battery	1.370 kg	1.770 kg	1.900 kg	2.400 kg	1.570 kg
Page	**362**	**362**	**365**	**366**	**369**

ROGRIP M

Quick adjustable water pump pliers

Holds and grips a wide variety of pipe types up to Ø 2″.

Application benefits

- Durable: Due to the double hardening, the teeth are particulary wear-resistant
- Non-slip: the soft-touch handle prevents the pliers from slipping off the pipe
- Firm grip: the shape of the teeth (self locking) and the 3-point grip on the pipe prevent slipping on the pipe
- 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

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

Wide handles

More comfort and better power transmission

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

Thanks to the ROTHENBERGER curve-shape design the 7″ ROGRIP has the same gripping capacity of a normal 10″ WAPU!

ROGRIP F

Quick adjustable water pump pliers

Holds and grips a wide variety of pipe types up to Ø 2″.

Application benefits

- Durable: Due to the double-hardened teeth, the teeth only wear slowly
- Firm grip: the shape of the teeth (self locking) and the 3-point grip on the pipe prevent slipping on the pipe
- 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 Ø 2″

Double hardened jaws, extremely durable

Firm grip on any surface even under the strongest conditions

Safety blocking system

Prevents unintentional opening and enables up to 50 % faster adjustment

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

Wide handles

More comfort and better power transmission

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

Thanks to the ROTHENBERGER curve-shape design the 7″ ROGRIP has the same gripping capacity of a normal 10″ WAPU!

1) than previous model

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

Double hardened jaws, extremely durable

Firm grip on any surface even under the strongest conditions

Large grip width

Secure gripping and holding up to 3.1/2″ pipe diameter

14 adjustment positions

Variable working, laterally stable and high load capacity

ROTHENBERGER Curve-Shape-Design

Particularly ergonomic for large pipe diameters. Reduces the risk of pinching fingers

Slip-resistant plastic handles

High grip reliability

Wide handles

More comfort and better power transmission

Curve-Shape-Design: especially ergonomic

3-point grip over the middle for reliable clamping. Perfect grip on pipes up to Ø 3.1/2″

ROTHENBERGER Curve-Shape-Design— especially ergonomic!

Model	Weight	PU	No.
ROGRIP XL, 102 mm (3.1/2″)	1.400 kg	1	1000000328

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

Optimum grip

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, drop-forged, hardened and tempered, polished head, with slip-on joint, straight jaws, according to DIN 5231 E

DIN -Norm

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

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.

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

No. 070130X

No. 070135X

No. 070140X

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)

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.

No. 1000001068

3 pieces set (No. 1000001068) includes:
ROGRIP M7″, 1K (No. 1000002697), ROGRIP M10″, 1K (No. 1000002699), ROGRIP XL, 16″ (No. 1000000328)

Model	Weight	PU	No.
ROGRIP set M, 7″, 1K, 10″, 1K, ROGRIP XL	2.300 kg	1	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″.

Application benefits

- 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

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 an d 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 mm (6″)	26 mm (3/4″)	0.250 kg	1	70148	70199	70189
200 mm (8″)	34 mm (1″)	0.400 kg	1	70150	70200	70190
250 mm (10″)	48 mm (1.1/2″)	0.780 kg	1	70151	70201	70191
300 mm (12″)	60 mm (2″)	1.250 kg	1	70152	70202	70192
350 mm (14″)	60 mm (2″)	1.680 kg	1	70153	70203	70193
450 mm (18″)	73 mm (2.1/2″)	2.670 kg	1	70154	70204	70194
600 mm (24″)	89 mm (3″)	4.320 kg	1	70155	70205	70195
900 mm (36″)	141 mm (5″)	7.500 kg	1	70156	70206	70196
1,200 mm (48″)	168 mm (6″)	15.800 kg	1	70157	70207	70197
1,500 mm (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

US-Norm GGG-W-651 Type I Class B

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 spring-loaded
- 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

Application benefits

- 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

Model	Weight	PU	No.
Chain pipe wrench HEAVY DUTY, 48 mm (1.1/2″)	1.400 kg	1	70242
Chain pipe wrench HEAVY DUTY, 73 mm (2.1/2″)	3.500 kg	1	70243
Chain pipe wrench HEAVY DUTY, 114 mm (4″)	6.700 kg	1	70244
Chain pipe wrench HEAVY DUTY, 168 mm (6″)	12.600 kg	1	70245
Chain pipe wrench HEAVY DUTY, 220 mm (8″)	17.200 kg	1	70246
Chain pipe wrench HEAVY DUTY, 324 mm (12″)	24.200 kg	1	70247
Spare chain HEAVY DUTY, 1.1/2″	0.900 kg	1	70262
Spare chain HEAVY DUTY, 2.1/2″	0.410 kg	1	70263
Spare chain HEAVY DUTY, 4″	0.680 kg	1	70264
Spare chain HEAVY DUTY, 6″	2.170 kg	1	70265
Spare chain HEAVY DUTY, 8″	2.700 kg	1	70266
Spare chain HEAVY DUTY, 12″	3.200 kg	1	70267
Jaws for Chain pipe wrench HEAVY DUTY, 48 mm (1.1/2″)	0.440 kg	1	70571
Jaws for Chain pipe wrench HEAVY DUTY, 73 mm (2.1/2″)	0.580 kg	1	70572
Jaws for Chain pipe wrench HEAVY DUTY, 114 mm (4″)	0.640 kg	1	70573
Jaws for Chain pipe wrench HEAVY DUTY, 168 mm (6″)	2.100 kg	1	70574
Jaws for Chain pipe wrench HEAVY DUTY, 220 mm (8″)	2.940 kg	1	70575

Fittings wrench 90°

Special chrome-vanadium steel, steel forged

Plastic jaws, gentle grip!

Application benefits

- Plastic jaws guarantee a secure and gentle grip, especially for chrome-plated fittings or polished surfaces
- High-quality DURAMANT surface coating

Model	Weight	PU	No.
Fittings wrench 90°, 34 mm (1″)	0.740 kg	1	70545

ROFAST pliers wrench

For gripping, holding, pressing and bending surface-sensitive, chrome-plated screw fittings

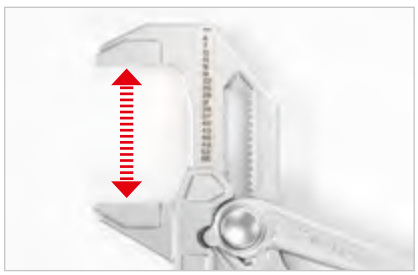
Plastic protective jaws for optimum protection of the workpiece

Application benefits

- Gentle on surfaces thanks to smooth, parallel jaws
- Versatile use: pliers and spanner in one tool
- Convenient handling thanks to stepless adjustment on the push button
- Includes 3 pairs of plastic protective jaws for optimum protection of the workpiece

Pliers wrench with one-hand quick adjustment

20 % larger gripping capacity due to Curve Shape Design



Knob for one-hand operation for quick size adjustment

Scale for size presetting – Time saving and precise wrench size

Model	Weight	PU	No.
ROFAST pliers wrench 7″ 1K, with soft jaws, 3 pairs	0.325 kg	1	1000004325
ROFAST pliers wrench 7″ 2K, with soft jaws, 3 pairs	0.325 kg	1	1000004710
ROFAST pliers wrench 10″ 1K, with soft jaws, 3 pairs	0.575 kg	1	1000004802
ROFAST pliers wrench 10″ 2K, with soft jaws, 3 pairs	0.575 kg	1	1000004810
Soft jaws for ROFAST pliers wrench 7″, 3 pairs	0.325 kg	1	1000004811
Soft jaws for ROFAST pliers wrench 10″, 3 pairs	0.575 kg	1	1000004812

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 75 mm	0.695 kg	1	350850

SANIGRIP / SANIGRIP PL

Special chrome-vanadium steel, steel forged, chrome-plated, 4 adjustable sizes at joint, with toothed grip jaws SANIGRIP PL version with plastic jaws to protect the fittings

Application benefits

- Secure and gentle grip on valuable fittings without damaging polished surfaces
- Optimum grip is ideal for plastic screw joints up to Ø 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

EASYGRIP

Automatic strap wrench for plastic pipes Ø 20–160 mm (3/4–6″)

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

Application benefits

- 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

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

No. 73298

No. 73280

No. 27180

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

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	0.590 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 chrome-plated parts!

No. 70414

No. 70413

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

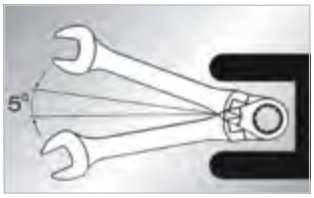
Chrome vanadium steel, polished and high shine chrome-plated.

Application benefits

- Can also be used in confined working positions due to movable ring ratchet
- Precise work due to fine-running ratchet (72 teeth)

Small operating radius of only 5°!

Small 5° operating radius



Adjustable inclination angle

Model	Weight	PU	No.
ROCLICK key set 8–10–11–13–14–17–19 mm, 7 pieces	1.150 kg	1	70490

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.

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

SWO adjustable wrench

Chrome vanadium steel, chrome-plated and polished

For loosening and tightening screw connections.

Application benefits

- 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

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 × adjustable 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.

Application benefits

- 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:	Pozidriv No. 73571	Phillips No. 73570
	3.5 × 75 mm	3.5 × 75 mm
	4 × 100 mm	4 × 100 mm
	5.5 × 125 mm	5.5 × 125 mm
	6.5 × 150 mm	6.5 × 150 mm
	PZ 1 × 100 mm	—
	PZ 2 × 125 mm	—
	—	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

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 tools in 1!

Color coding for different tips

Quick differentiation

2 component handle made of high-quality, plastic, grip-friendly AS knob form

High force transmission

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 × 100 mm(No. 73565), 6.5 × 125 mm (No. 73566), 8 × 150 (No. 73567), Phillips PH 1 × 80 mm 1 (No. 73536), PH 2 × 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

Spirit level

For precise vertical and horizontal adjustment of fittings.

Accurate installations with installation gauge for fittings, with horizontal and vertical levels, unbreakable.

Precise Installation!

Application benefits

- With horizontal and head levels
- One side with 1/2″ extrenal screw thread

No. 1500004454

No. 1500004889

Model	Weight	PU	No.
ROCHECK Spirit level set	2.095 kg	1	1000004797
Standard distance water scale f. ROCHECK, 300 mm	0.280 kg	1	1500004454
Standard distance water scale f. ROCHECK, 90 mm	0.165 kg	1	1500004889

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 × 92 (No. 854381), turning handle (No. 854382), threaded rod M10 × 130 (No. 854383), cartridge body 32 × 131 (No. 854384), cartridge extractor with thread (No. 854385), cartridge extractor with hook (No. 854386), cartridge extractor 20 × 45 (No. 854387), counter piece (No. 854388), steel carrying case

Model	Weight	PU	No.
9 pieces set	1.250 kg	1	854390

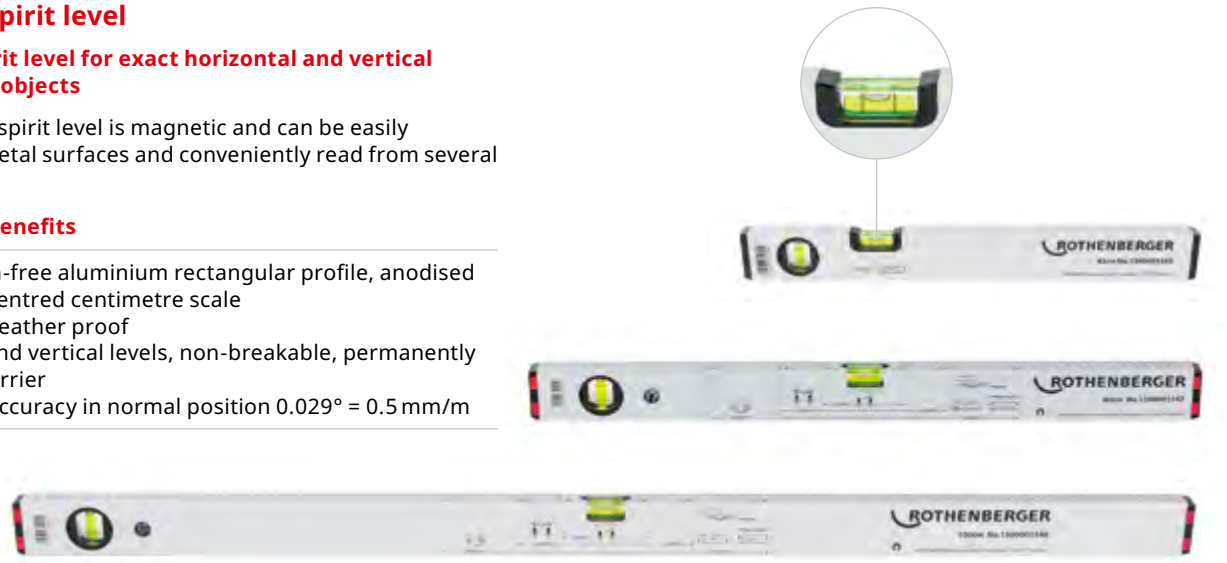
Standard spirit level

Standard spirit level for exact horizontal and vertical alignment of objects

The standard spirit level is magnetic and can be easily attached to metal surfaces and conveniently read from several positions.

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.
Aluminum spirit level, 400 mm, with magnets	0.240 kg	1	255040
Aluminum spirit level, 600 mm, with magnets	0.340 kg	1	1500001547
Aluminum spirit level, 1000 mm, with magnets	0.640 kg	1	1500001548

ROMATIC

Rolling measuring tape and wood folding ruler for measuring short distances with mm accuracy

Application benefits

- 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

Electrical power combination pliers

1000 V IEC 60900

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	Weight	PU	No.
Electrical power combination pliers	0.250 kg	1	1500003163

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

Electrical multi insulation stripper

1000 V IEC 60900

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 single- or multicore cables up to Ø 5.0 mm

Model	Weight	PU	No.
Electrical multi insulation stripper	0.230 kg	1	1500003167

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 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 installation pliers

1000 V IEC 60900

Application benefits

- 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

Model	Weight	PU	No.
Ergonomic electrical installation pliers	0.290 kg	1	1500003169

RO DD55 cordless drill driver

The RO DD55 AMPShare cordless drill and screwdriver functions as both a screwdriver and a drill

The RO DD55 AMPShare cordless drill driver with battery functions as both a screwdriver and a drill. The powerful 4-pole motor generates a maximum torque of 55 Nm (hard / steel) and 35 Nm (soft / wood).

Set (No.1000004711) includes: RO DD55 Akku-Bohrschrauber, RO BP18/2 Akku, AMPS, EU (No. 1000003859), RO BC18 Ladegerät, 230 V, AMP, EU (No. 1000003858), ROCASE 4212 schwarz (No. 1300003649), ROCASE 4212 rot (No. 1300003334)

Model	Weight	PU	No.
RO DD55 cordless drill driver bare tool AMP	2.000 kg	1	1000004712
RO DD55 cordless drill driver, EU AMP	4.000 kg	1	1000004711

RO DD60 cordless drill driver

The RO DD60 cordless drill and screwdriver functions as both a screwdriver and a drill

High performance thanks to the powerful 4-pole-motor with 60 Nm torque (steel) and 34 Nm (wood) which can be adjusted in 20 steps.

Set (No.1000001647) 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 DD60 cordless drill driver bare tool without battery, without charger	1.910 kg	1	1000002035
RO DD60 cordless drill driver set EU	4.320 kg	1	1000001647

RO SERVICE+ only valid in participating countries.

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″ × 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‴ × 25 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

RO BOX

No. 1500002764

No. 1000002181

No. 1000002182

Set (No. 1500002764) includes: 1 × thin type lever ratchet handle with 72-teeth gear, 2 × extension bars 50 mm and 100 mm, 1 × universal joint, 1 × sliding T-head 3/8″ × 1/4″, 12 x 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 × 1–1/4″ bit holder, 52 × bits 1/4″ × 25 mm: 13 × star bit (torx) 5–6–7–8–9–10–15–20–25–27–30–35–40 mm, 6 × hex bit (H) 2–2.5–3–4–5–6 mm, 3 × 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 × torq bit 4–6–8–10 mm, 4 × spanner bit 4–6–8-10 mm, in soft foam and ROBOX B2350 (No. 1000002641)

Set (No. 1000002182) includes: 10 × bits 90 mm: 2 × Phillips: 1–2 mm, 2 × Pozi: 1–2 mm, 6 × 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	1500002180
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

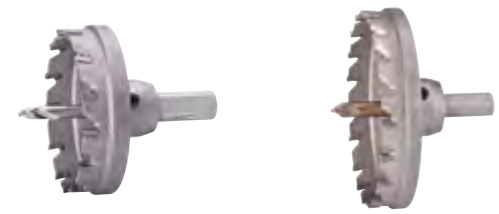
UNICUT HM

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.

Application benefits

- 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 ID400 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

High torque
With handy design

Belt hook
Optional right / left fixable

Twelve speed/torque levels
For a wide range of applications

Maximum power
Intelligent battery management with capacity indicator to control the battery level

Brushless motor
For fast work progress and maximum efficiency in every application

Bit holder
Optional right / left fixable

No. 1000001949

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 ID400 cordless impact wrench set EU	1.500 kg	1	1000001648
RO ID400 cordless impact wrench bare tool without battery, without charger	2.280 kg	1	1000002036

RO SERVICE+ only valid in participating countries.

RO AG8000 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

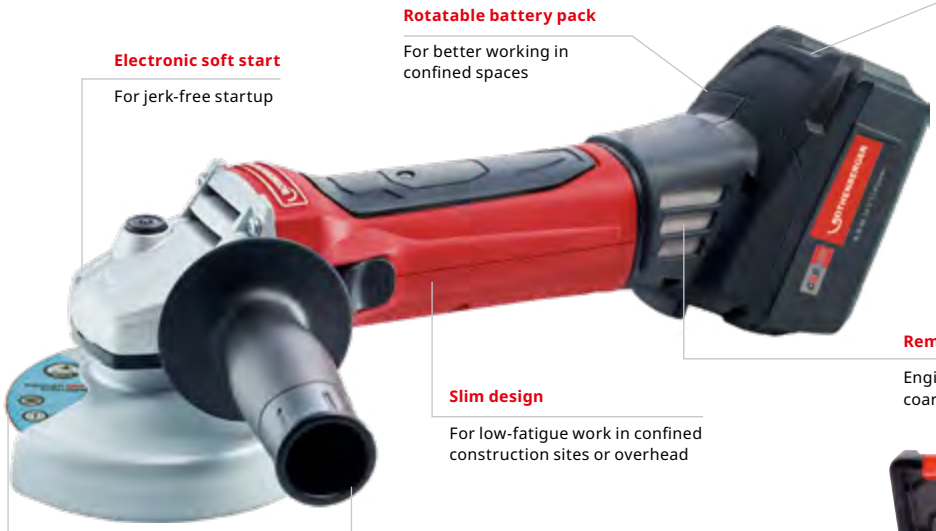
The RO AG8000 cordless angle grinder is the ideal tool for processing of thin sheets, steel cables, thin-walled profiles and pipes made of stainless steel and metals and composites.

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



Maximum power
Intelligent battery management with capacity indicator to control the battery level

Rotatable battery pack
For better working in confined spaces

Electronic soft start
For jerk-free startup

Removable dust filter
Engine protection from coarse particles

Slim design
For low-fatigue work in confined construction sites or overhead

Quick clamping system
Toolless disc change due to quick-release nut

Additional handle
Optional right / left fixable

Toolless adjustable protective hood
Can be fixed without twisting

No. 1300003338

Set (No.1000001649) 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 AG8000 cordless angle grinder bare tool without battery, without charger	1.700 kg	1	1000002037
RO AG8000 cordless angle grinder set EU	4.575 kg	1	1000001649

RO SERVICE+ only valid in participating countries.

PROFI PLUS cutting disc

For burr-free and quick cutting of stainless steel, steel, cast iron and stone

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 × 1 × 22)	071533D	✓	✓	✓	✓✓	✓	✓	✓	✓	✓	✓✓	✓✓	✓✓
Cutting disc INOX PROFI PLUS (125 × 1 × 22)	071534D	✓	✓	✓	✓✓	✓	✓	✓	✓	✓	✓✓	✓✓	✓✓

✓✓ = very well suited ✓ = well suited ✓ = partially suited

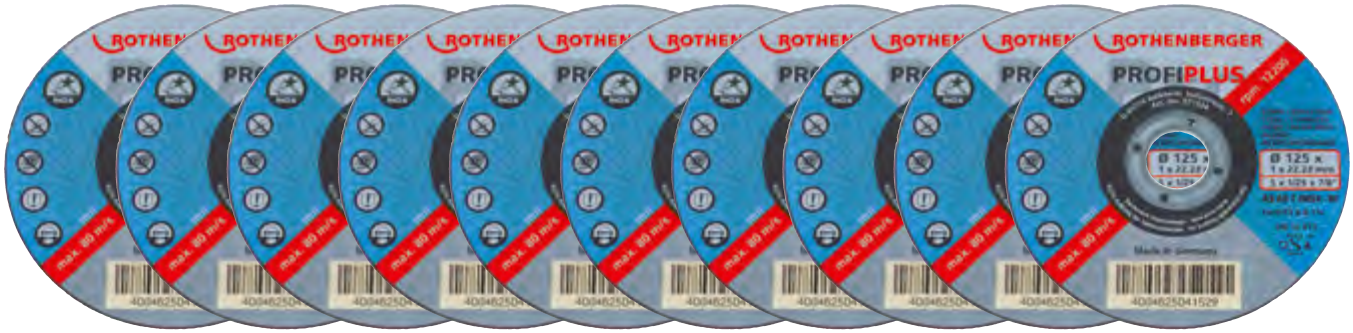
PROFI PLUS cutting disc

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

Follow work safety measures

Don't rough down

Follow all manufacturers instructions

Do not use defective grinding/ cutting discs

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

No. 1500002828 | No. 1500002827 | No. 1500002826 | No. 1500002825 | No. 1500002824

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 FL180 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

Powerful LED inspection lamp

For uniform, bright illumination of the working area

Robust aluminum die-cast housing

For easy use in confined spaces

Rotatable lamp head

Can be turned and swiveled through 180° providing almost infinite positions for the lamp

Compact and handy

For versatile use

Maximum power

Intelligent battery management with charge indicator to control the status of charge

Set (No.1000001651) 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 FL180 cordless LED lamp without battery, without charger	1.570 kg	1	1000001734
RO FL180 cordless LED lamp EU	2.540 kg	1	1000001651

RO SERVICE+ only valid in participating countries.

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.

AMPShare Powered by BOSCH

Application benefits

- 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. 1000003860

No. 1000003864

No. 1000003863

No. 1000003858

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

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.

CAS

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. 1000001652

No. 1000001653

No. 1000002549

No. 1000002548

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

Application benefits

- Silver lacquered tip
- Chrome-manganese-silicon-steel

Model	Weight	PU	No.
Mason chisel, flat	0.560 kg	1	77050

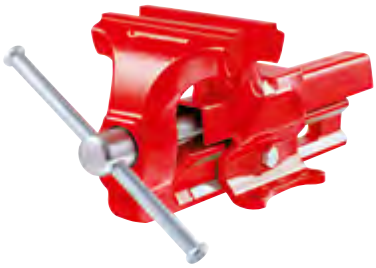
Parallel vice

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

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 Ø 1/8–4″ of all marial types.

Model	Weight	PU	No.
10–60 mm (1/8–2″)	3.700 kg	1	70710
Spare jaws 2″	0.200 kg	1	70670
10–89 mm (1/8–3″)	7.900 kg	1	70712
Spare jaws 3″	0.650 kg	1	70672
10–114 mm (1/8–4″)	11.730 kg	1	70711
Spare jaws 4″	0.650 kg	1	70671

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 pre-tensioning 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
- Exchangeable jaws

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

ROBOY clamping workbench

For on-site repair and service work

Application benefits

- 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

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

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 (max. 290 mm)

Model	Weight	PU	No.
Telescopic workbench 700 × 450 × 30 mm	17.400 kg	1	070699X

Universal workbench

Workbench for all kinds of work

Application benefits

- Stable and tough, easy to transport: collapsible tubular frame
- Optimum work surface: 30 mm thick 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. 15 l

Model	Weight	PU	No.
Tool bag small, 280 × 360 × 230 mm	1.500 kg	1	1500002182

Assembly toolbox 5 pieces

The assembly tool box is the ideal storage and transport box for all of the installer's tools

Robust tool box ideal for the storage of tools.

Application benefits

- Diverse: Extensive and practical tool kit
- Portable: Practical and robust carrying case made of galvanized steel

Model	Weight	PU	No.
Assembly toolbox	4.730 kg	1	402312

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

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.

Application benefits

- 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

Img. similar

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), 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. 1000001745) 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 case system

Application benefits

- 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

RO CASE

Overview case system

	ROCASE 4212	ROCASE 4407	ROCASE 4414	ROCASE 6414	ROCASE 6427
	No. 1300003334	No. 1300005506	No. 1300003541	No. 1300003336	No. 1300003337
Outer dimension	390 × 190 × 120 mm	390 × 390 × 70 mm	390 × 390 × 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	5.7 l	6.3 l	14.9 l	23.5 l	48.2 l
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

Foldable handle

Robust

Through ABS plastic

Label field

Three positions for stickers

Shoulder belt mount

ROCASE click system

Click together in one step, lock load up to 50 kg

Eyelet

For lock or seal

Model	Weight	PU	No.
ROCASE 4212 red, without inlay, 39 × 19 × 12 cm	0.630 kg	1	1300003334
ROCASE 4212 anthracite, without inlay, 39 × 19 × 12 cm	0.634 kg	1	1300003649
ROCASE 4407 red, without inlay, 39 × 19 × 7 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 × 39 × 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

ROCASE 4407

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

The ROCASE 4407 is ideal for use on the worksite to perfectly organise small parts.

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. 1500002763

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

Model	Weight	PU	No.
Foam inlay for ROCASE 4212	0.100 kg	1	1500002449

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 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

ROCASE Trolley

Model	Weight	PU	No.
ROCASE trolley 78 × 48.5 × 6 cm	7.000 kg	1	1000002628

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
BSP	British Standard Pipe
BSPP	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
HM	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
Nm	Newton meter
NPT	American National Standard Taper Pipe Thread
PB	Polybutylene
PD	Power Driver
PD-E	Power Drive-Electronic
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

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

Battery-powered

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 valve

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

Eco-friendly refrigerant

eTOOL (NFC tag)

One-handed operation

180° rotatable

App for Android and iOS

Optimised cutting geometry

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