



# 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 the first system solution: the R-System. It consisted of tools for expanding, extracting and bending pipes—revolutionary equipment that enabled installers to connect pipes without fittings. This allowed plumbers to install drinking water and heating systems much more efficiently.

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



Sculpture: ROTONDO; sculptor: Christian Hack





## Focus on users

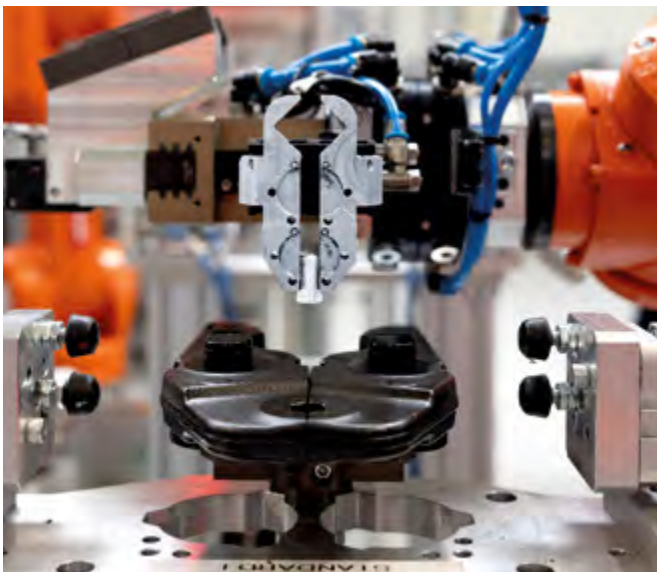
At ROTHENBERGER, we focus on professionals in the sanitary, refrigeration and air conditioning sectors. Day after day, they face challenges on construction sites and in services. They need tools they can rely on. That's why ROTHENBERGER manufactures tools and machines so easy to use. Our products are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



# Quality from the start

For more than 75 years, ROTHENBERGER has focused on customer satisfaction and success: from product development to production and quality control to service. We develop high quality, high performance and technically advanced pipe tools and machines.

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





# Sustainability means responsibility

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

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



## "Sustained by"

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

This shows that you have made a contribution to sustainability with your purchase and that a fixed amount of the sales profits 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 refrigeration and air conditioning technology to 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 the 18 V battery technology from Bosch. The batteries and chargers of this alliance are fully compatible with all AMPShare tools and machines of the alliance partners as well as with the battery-powered 18 V tools from Bosch Professional. In future, all ROTHENBERGER battery tools will be offered with an AMPShare interface.





## Collect **BONUS POINTS** and benefit from rewards!

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







## RO SERVICE+ for professionals: Always there for you!

Our maintenance and repair service ensures that your tools are ready for use again quickly and immediately. On request, we can pick it up, solve the problem and deliver the tool directly to the construction site. Simply use our portal and we will help you:

[rothenberger.com/roservice-portal](https://rothenberger.com/roservice-portal)



### How to contact us

You can contact us via many channels—via our website [rothenberger.com](https://rothenberger.com) by email to [info@rothenberger.com](mailto:info@rothenberger.com) or by phone via our customer and technical customer service hotlines.



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**TOP PRODUCT**

**THE PRESS  
MACHINES  
INNOVATION!**



Product details on page 122

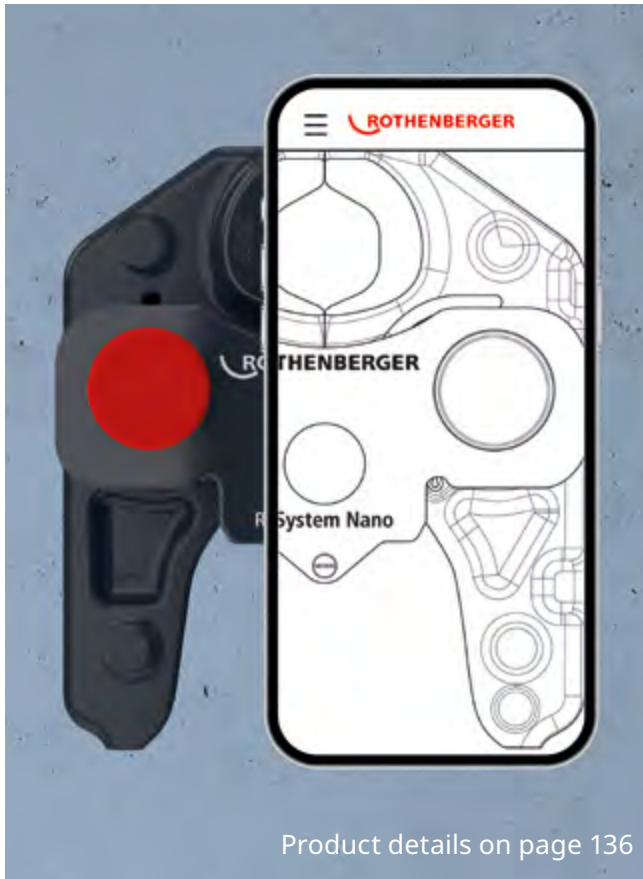
## **ROMAX NANO: Small, slim, smart—the world's lightest 32 kN press machine!**



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 pressure setting, app connectivity and CAS battery technology ensure safety and easy documentation.





Product details on page 136

## NANO iJAW TECHNOLOGY

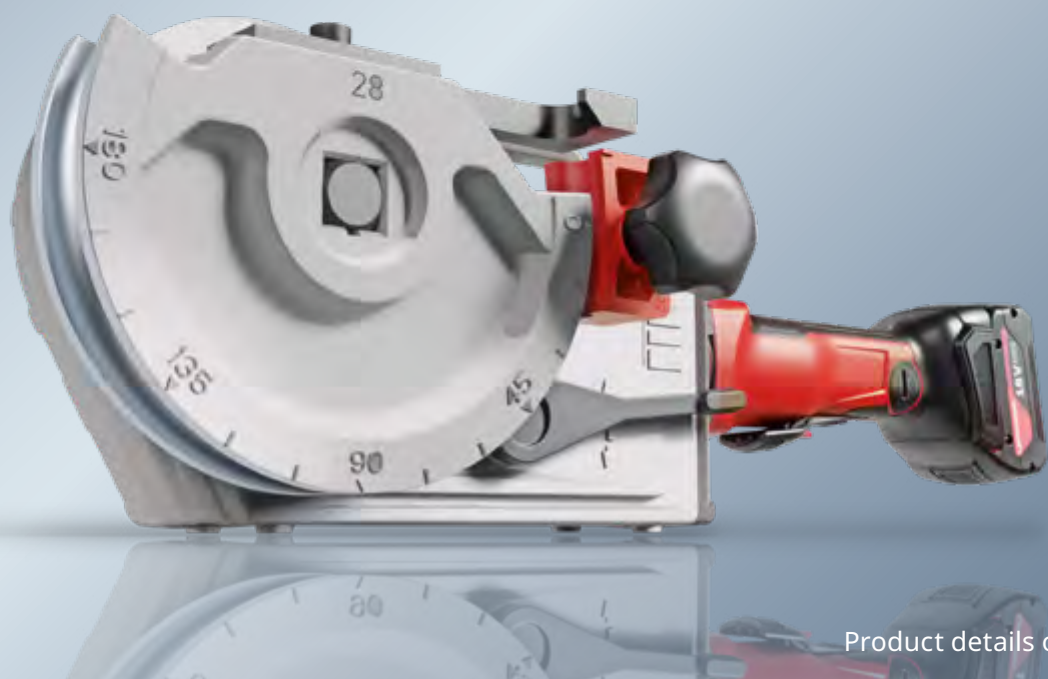
The NANO iJAW technology combines particularly compact and lightweight press jaws with intelligent functions.

Thanks to an integrated RFID chip, the NANO iJAWS communicate with the ROMAX NANO in real time. The automatic and optimised press pressure 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.



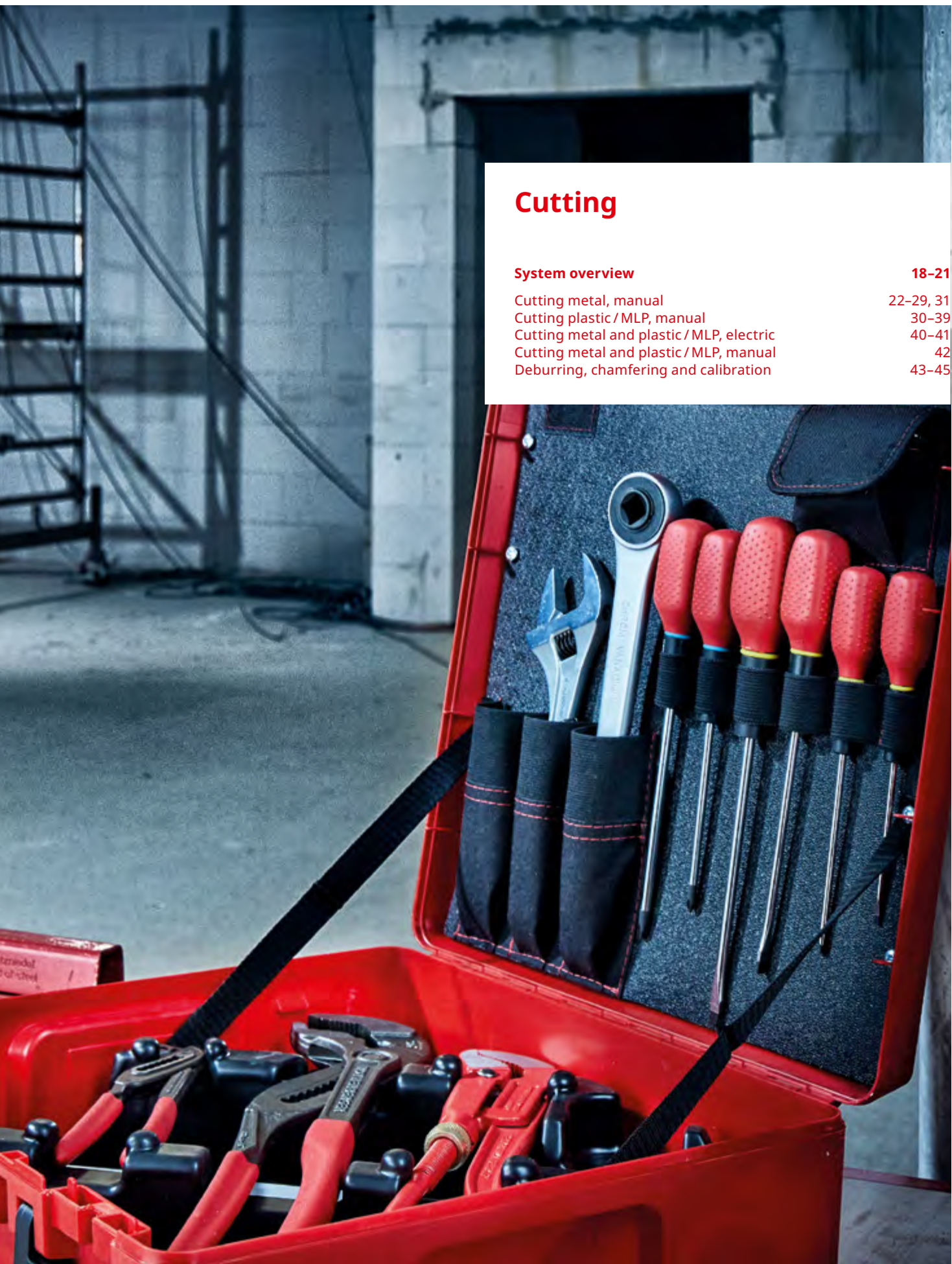


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## Cutting

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## Pipe cutters for metal

TUBE CUTTER 35



TUBE CUTTER 35 INOX



TUBE CUTTER 42 PRO



TUBE CUTTER 42 PRO INOX



|              |                                           |                        |                                           |                        |
|--------------|-------------------------------------------|------------------------|-------------------------------------------|------------------------|
| Working area | Ø 6–35 mm (1/4–1.3/8")                    | Ø 6–35 mm (1/4–1.3/8") | Ø 6–42 mm (1/4–1.5/8")                    | Ø 6–42 mm (1/4–1.5/8") |
| Suitable for | Cu, brass, Al,<br>thin-walled steel pipes | Stainless steel        | Cu, brass, Al,<br>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,<br>thin-walled steel pipes | Cu, brass, Al,<br>thin-walled steel pipes | Cu, brass, Al,<br>thin-walled steel pipes | Cu, brass, Al,<br>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,<br>thin-walled steel pipes | Cu, brass, Al,<br>thin-walled steel pipes | Cu, brass, Al,<br>thin-walled steel pipes | Cu, brass, Al,<br>thin-walled steel pipes,<br>plastic-coated pipes |
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## 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,<br>thin-walled steel pipes,<br>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<br>up to 0.2 mm                                              | Stainless steel                                                                                        | Stainless steel                                                                                                     | Stainless steel                                                                                                               |
| Page         | 28                                                                                 | 29                                                                                                     | 29                                                                                                                  | 29                                                                                                                            |

1

Plastic pipe cutters

|              | TUBE CUTTER 35 MSR /<br>42 PRO MSR / 42 PRO PVC                                   | TUBE CUTTER<br>67 / 125 / 168 PL<br>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,<br>plastic-coated pipes                                        | PE, PP, PEX, PB, PVDF,<br>sound-isolated<br>drain pipes                           | PP, PE, PVC pipes                                                                  | PE, PP, PVC, PEX, PVDF,<br>PB pipes <sup>1</sup>                                    |
| Page         | 30                                                                                | 30                                                                                | 32                                                                                 | 37                                                                                  |

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                                                                                   |



### 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,<br>PVDF, MLP pipes | PP, PE, PEX, PB,<br>PVDF pipes | PP, PE, PEX, PB,<br>PVDF pipes | PP, PE, PEX, PB,<br>PVDF pipes |
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ROCUT TC 42  
ProfessionalROCUT TC 50  
ProfessionalROCUT TC 63  
ProfessionalROCUT 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,<br>PVDF, MLP pipes | PP, PE, PEX, PB,<br>PVDF, MLP pipes | PP, PE, PEX, PB,<br>PVDF, MLP pipes | PP, PE, PEX, PB,<br>PVDF, MLP pipes |
| Page         | 35                                  | 36                                  | 36                                  | 36                                  |

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,<br>PVDF, MLP pipes | PP, PE, PEX, PB,<br>PVDF, MLP pipes |
| Page         | 34                                  | 34                                  |

### 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.

#### 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!**

Two guide rollers  
with recess

Flanged cut



#### 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!**

Exact guidance

Precise cut

Easy turning of the  
adjustment knob

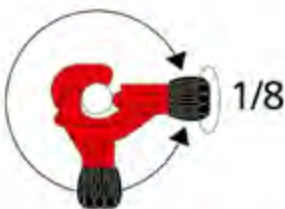
Spare cutter wheel  
always within reach

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,<br>6–35 mm (1/4–1.3/8"), DURAMAG | 0.255 kg | 4  | 70027    |
| TUBE CUTTER 35 DURAMAG<br>display, 6 pcs.        | 1.700 kg | 1  | 070027DB |

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

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



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",<br>6–35 mm (1/4–1.3/8") | 0.460 kg | 1  | 1000002002 |

**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,<br>6–35 mm (1/4–1.3/8"), DURAMAG | 0.255 kg | 4  | 70055 |

**TUBE CUTTER 35 INOX with cutting wheels**

Pipe cutter for cutting stainless steel pipes with  
matching cutting wheels



TUBE CUTTER 35 INOX for cutting stainless steel pipes.

**INOX**

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<br>cutting wheels and ROBOX | 0.500 kg | 1  | 1000002222 |

**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,<br>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,<br>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<sup>1</sup>
- Suitable for thin-walled pipes starting at a wall thickness of 0.5 mm
- Quick adjustment of the pipe diameter by easy turning of the adjustment knob
- Spare cutter wheel in handle compartment
- Retractable internal pipe deburrer

**Wide bearing surface**

For easy and effortless cutting

**Gap for cuts near to flare**

Material saving

**Exact guidance**

Precise cut

**Robust cutting wheel**

20 × more cuts<sup>1</sup>

**Cutter wheel compartment**

Spare cutter wheel always within reach

**Easy turning of the adjustment knob**

Quick adjustment of the working area



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



## ROTRAC 28

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

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

#### Application Benefits

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



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

## ROTRAC 42

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

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

#### Application Benefits

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



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

## MINICUT I PRO / II PRO

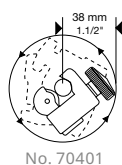
### Copper pipe cutter Ø 3–22 mm (1/8–7/8")

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

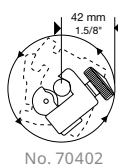
**Ideal for maintenance and repair work!**



No. 70401



No. 70402



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")

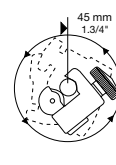
For cutting copper, brass, aluminium and thin-walled steel pipes.

#### 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



| 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<br>Size 1, 6-67 mm (1/4-2.5/8") | 0.755 kg | 1  | 70030     |
| Automatic pipe cutter<br>Size 2, 50-127 mm (2-5")     | 1.875 kg | 1  | 70142     |
| Spare blade for GRATFIX HSS<br>Size 1, Universal      | 0.005 kg | 10 | 21652     |
| Spare internal pipe deburrer<br>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<br>pipe cutter Size 2, 2 pcs. | 0.020 kg | 1  | 070057D |
| Spare cutter wheel<br>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



#### Ergonomic form

Less space needed,  
ideal for hard-to-reach place

#### Non-slip surface

Reliable grip

#### Indicates rotating direction

Quick cutting with  
just a few turns

#### Self-clamping and self-alignment

Prevents the  
deformation of  
the pipe



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

Pipe cutting possible near the wall



## 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 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 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 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



Precise cutting of stainless steel pipes

**INOX**

| 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

| 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 |

**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

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

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

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

**Application Benefits**

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

Removable internal pipe deburrer

**Technical Data**

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

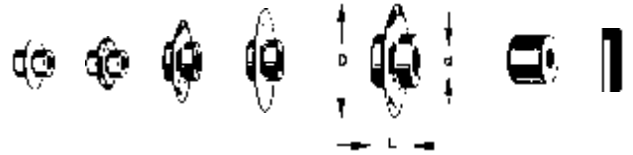


No. 70033

| 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               | Multilayered composite pipe                                                                                                     |
| TUBE CUTTER 50               | 12-50 mm         | 70065      | 070017D           | 4.8 / 5.9 / 18.5   | 3.0              | 70006                    | 4.7 / 16 / M4         | —                | —                   |                                                                                                                                 |
| AUTOMATIC pipe cutter Size 1 | 6-67 mm          | 70030      | 070017D           | 4.8 / 5.9 / 18.5   | 3.0              | 70042                    | 4.7 / 16 / M4         | —                | 21652               |                                                                                                                                 |
| AUTOMATIC pipe cutter Size 1 | 6-67 mm          | 70031      | 070028D           | 4.8 / 5.9 / 23.6   | 7.0              | 70042                    | 4.7 / 16 / M4         | —                | 21652               |                                                                                                                                 |
| 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               |                                                                                                                                 |
| 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               |                                                                                                                                 |
| 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               |                                                                                                                                 |
| 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               | thin-walled PP 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               |                                                                                                                                 |
| 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<br>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 |

**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

**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

**Rubberised handle**

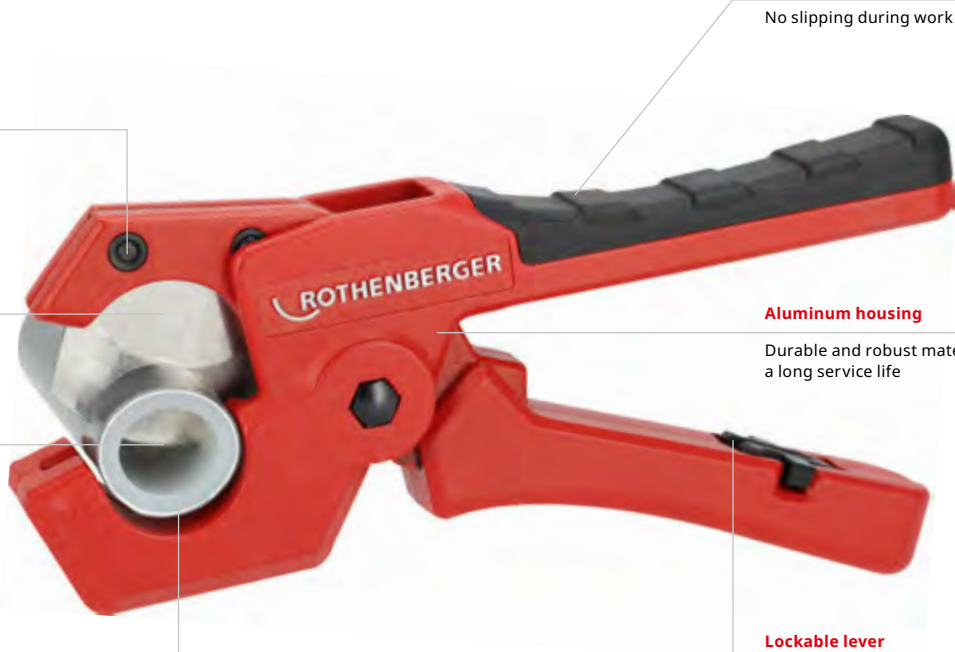
No slipping during work

**Aluminum housing**

Durable and robust material ensures a long service life

**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 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 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 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.<sup>1</sup>



### 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

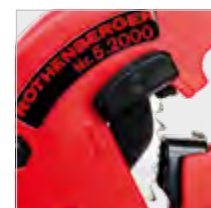
|              |                       |
|--------------|-----------------------|
| Working area | Ø 0–42 mm (0–1.5/8")  |
| Suitable for | PP, PE, PEX, PB, PVDF |



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**

ROCUT TC 50 Professional, 0–50 mm (0–2")

**Weight**

0.600 kg

**PU**

6

**No.**

52010

**ROCUT TC 63 Professional**

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

**Model**

ROCUT TC 63 Professional, 0–63 mm (0–2.1/2")

**Weight**

0.700 kg

**PU**

6

**No.**

52030

**ROCUT TC 75 Professional**

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

**Model**

ROCUT TC 75 Professional, 0–75 mm (0–3")

**Weight**

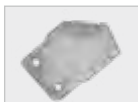
1.600 kg

**PU**

1

**No.**

52015



No. 55006



No. 52041



No. 52042



No. 52011



No. 52031



No. 52016



No. 1000003104



No. 1000004800

**Accessories**

|                                                          | <b>Weight</b> | <b>PU</b> | <b>No.</b> |
|----------------------------------------------------------|---------------|-----------|------------|
| 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      | 6         | 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

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,<br>50, 75, 110 mm (2–4") | 3.900 kg | 1  | 55035 |



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



## 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

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,<br>110, 125, 160 mm (4–6") | 5.600 kg | 1  | 55063 |



ROCUT 160 with cutter blade



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

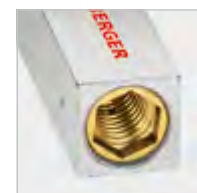


No. 54961

| 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)

Additional high quality, fire-resistant bag

For absorbing 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

Brushless Motor

For wear-free work and longer machine life

Three new high quality saw blades

For a precise cutting performance

Convertible guide rail

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

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



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

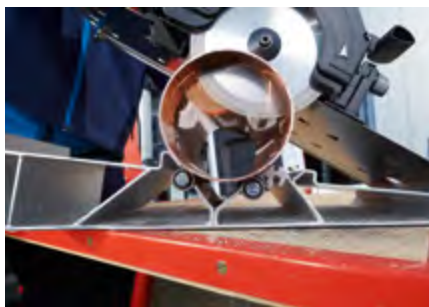


Clamp function enables fastest cutting performance for different materials.



## PIPECUT MINI sets

All sets 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



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

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

## Batteries and charger

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



## ROBO SUPER

### 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 confined spaces 90° rotatable



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

## Metal saw arch

### 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 |

## 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



## 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 confined spaces 90° rotatable



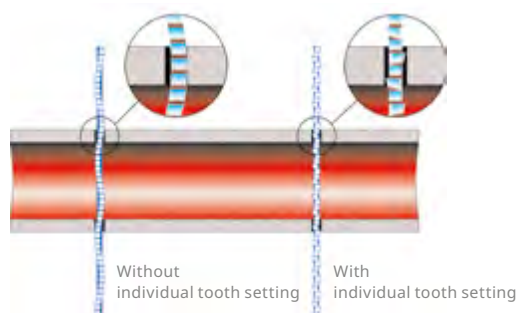
| Model                                    | Weight   | PU | No.   |
|------------------------------------------|----------|----|-------|
| Saw blade for PUK metal, 150 mm / 32 tpi | 0.020 kg | 12 | 71217 |

## Saw blades for UNI small saw PUK

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



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



Hand saw 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.

| 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 |

## Application Benefits

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



## 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 |



## Deburring adapter

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

### Application Benefits

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

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



| 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

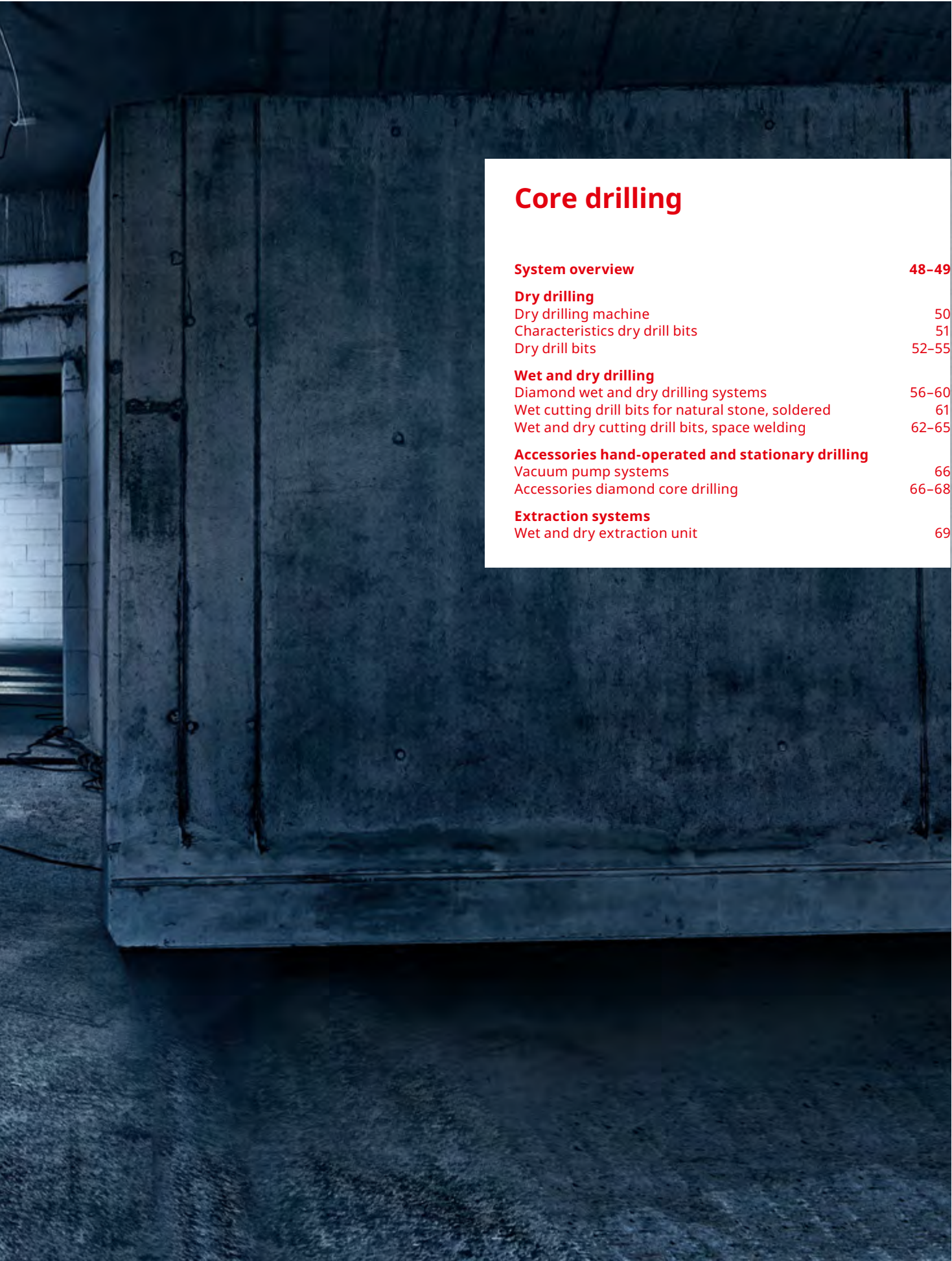
- The integrated ratchet function from ROTHENBERGER (RO-Ratchet) guarantees convenient and safe processing of plastic pipes in all positions
- Covers the most important pipe diameters
- Fits comfortably in the hand thanks to the T-handle
- Dual function: calibrating and deburring (inside) in one tool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



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







## Core drilling

|                                                          |              |
|----------------------------------------------------------|--------------|
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## 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           |
| <b>Page</b>                      | <b>50</b>   | <b>57</b>       | <b>57</b>               | <b>59</b>           |

## 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<br>150 mm and 330 mm | up to Ø 10 mm = 50 mm<br>from Ø 12 mm = 120 mm | G 1/2", 400 mm<br>1.1/4" UNC, 430 mm | G 1/2", 400 mm<br>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 | ✓✓✓                                      | ✓✓✓                                            | ✓✓                                   | ✓✓✓                                  |
| <b>Page</b>         | <b>52</b>                                | <b>61</b>                                      | <b>62</b>                            | <b>64</b>                            |

\* 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 160RODIACUT 150  
RODIADRILL 200RODIACUT 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               |
| <b>Page</b>                      | <b>56</b>       | <b>56</b>               | <b>58</b>               |

## Drill systems

RODIACUT 250  
RODIADRILL 500RODIACUT 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           |
| <b>Page</b>                      | <b>58</b>           | <b>60</b>           |

RODIADRILL 1800 DRY

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



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 |



| 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



2

#### Segment height: 10 mm

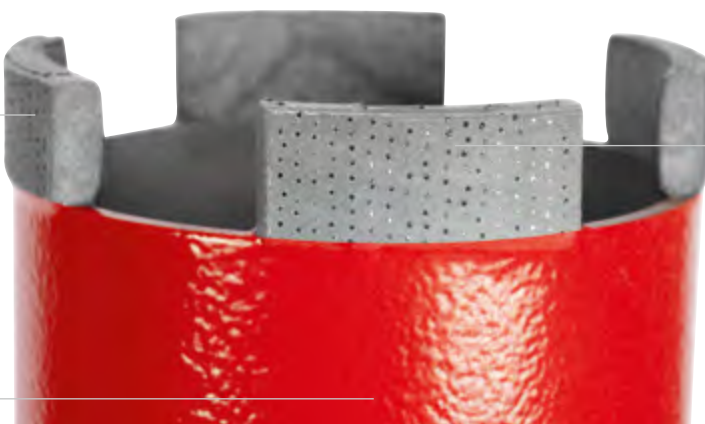
High cutting performance and long service life

#### 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



### 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 |

Dry drill bits DX High Speed Dry on page 52

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

3D-Diamatrix

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

Overwound drill bits

Balanced rotation reduces wear

1.1/4" UNC and 1/2" threaded adaptor

Suitable for all other ROTHENBERGER drill motors

Air vents

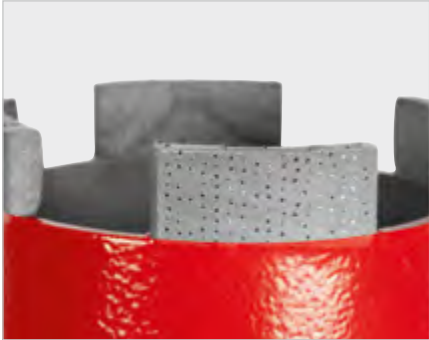
Remove drilling dust and provide cooling



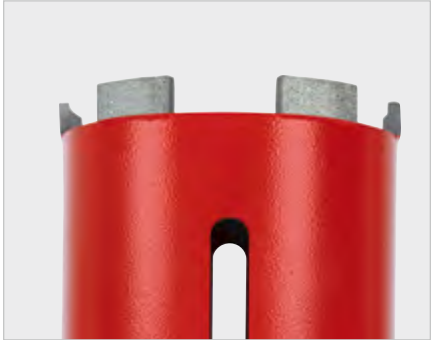
Threaded adaptor 1.1/4" UNC with a large exhaust opening



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



2

| 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 |

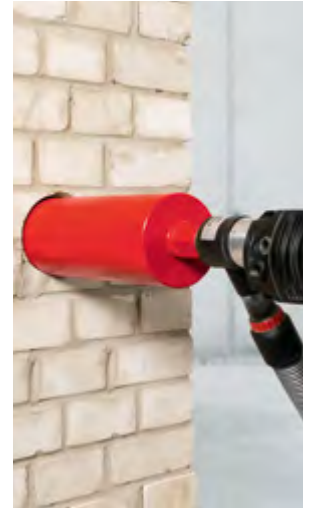


## DX High Speed Dry 1/2"



| 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

| 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

| 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 |

**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!**

**Technical Data**

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



**3 applications with one device!**



**RODIADRILL 160****Drill motor****RODIADRILL 160:**

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

**Application Benefits**

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

**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 |



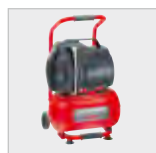
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No. FF35028



No. FF35700



No. FF35200



No. FF40056



SPEED STAR DX



DX High Speed Plus

| Accessories                     | Page | No.        |
|---------------------------------|------|------------|
| Pressurized water container 10l | 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 |         |

**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 |

**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 |

**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

**Technical Data**

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

| Model          | Weight    | PU | No.     |
|----------------|-----------|----|---------|
| RODIADRILL 500 | 12.100 kg | 1  | FF40400 |



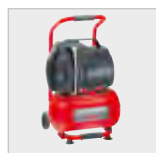
No. 1000003978



No. FF35028



No. FF35700



No. FF35200



No. FF40056



SPEED STAR DX



DX High Speed Plus

| Accessories                     | Page | No.        |
|---------------------------------|------|------------|
| Pressurized water container 10l | 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 |         |



**RODIACUT 400 / RODIADRILL 500**

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

**2 applications in one unit:**

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

**Application Benefits**

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

**2 applications with one device!**

**Distance plate optional (No. FF35136)**

To enlarge the drill hole diameter from Ø 400 to 500 mm with RODIACUT 400 PRO

**Technical Data**

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

**4 × roll guides**

Precise and low vibration operation, flexible use / module concept

**Drill angle adjustments**

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

**Rubber transport wheels**

Quick and easy transport on the building site

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

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



No. FF35029



No. FF35028



No. FF35190



No. FF35120



Extensions



SPEED STAR DX



DX High Speed Plus

**Accessories****Page****No.**

|                                 |       |         |
|---------------------------------|-------|---------|
| Pressurized water container 10l | 67    | FF35028 |
| Fixing set                      | 66    | FF35120 |
| Drill bits                      | 61–65 |         |

**Accessories****Page****No.**

|                           |    |         |
|---------------------------|----|---------|
| Distance plate 60 mm      |    | FF35136 |
| Copper rings 1.1/4"       | 67 | FF35190 |
| Extensions for drill bits | 68 |         |

## High Speed Plus Natural Stone

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

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

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

### Application Benefits

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

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



### Technical Data

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

1) Single segment mounting from Ø 45 mm

### Overwound drill bits

Balanced rotation reduces wear

### Threaded adaptor G 1/2"

Suitable for all other ROTHENBERGER drilling machines



Reinf. concrete



Marble



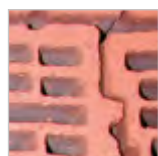
Granite



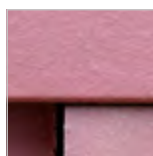
Green granite



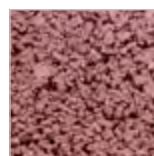
Hollow brickwork



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                 |



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



#### Space welding

Allows wet and dry use

#### Overwound drill bits

Balanced rotation reduces wear

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

Suitable for all other  
ROTHENBERGER drilling  
machines

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



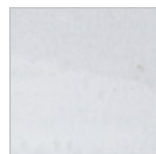
Masonry



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 = 52 mm, 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



### 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 !



### PRISMACUT

For better drill behaviour

Extremely high diamond concentration

Faster drilling progress



### Overwound drill bits

Balanced rotation reduces wear

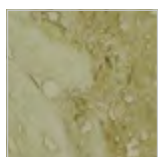
Threaded adaptor G 1/2" and 1.1/4" UNC

Suitable for all other ROTHENBERGER drilling machines

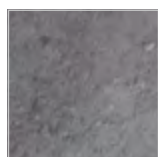
Reinf. concrete



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!

2

| 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 sideways guidance.



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

## Fixing set concrete / masonry



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 x 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 x Rawl anchor M 12 (reusable) (No. FF35126) and drive-in iron (No. FF35128)

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

## Thread interfaces

Between motor connection and drill bit



No. FF35095



No. FF35080

| Model                                       | Weight   | PU | No.     |
|---------------------------------------------|----------|----|---------|
| Thread adaptor<br>1.1/4" UNC(I) to G1/2"(I) | 0.700 kg | 1  | FF35095 |
| Thread adaptor<br>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



| 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 1.1/4" UNC

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

### Application Benefits

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



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

## Extensions for drill bits G 1/2"

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

### Application Benefits

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



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

## RODIADUST

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

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

### Application Benefits

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



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



## RODIA DW CLEANER M

Especially good in combination with RODIADRILL 1800 DRY or the suction system RODIADUST from ROTHENBERGER. Optimum suction results and increases work progress, prevents tool jamming and reduces wear

**Constant extraction power!  
Automatic filter-cleaning function!**

### Application Benefits

- Compact wet and dry extraction unit with 4 casters for easy operation
- Dust protection class M for high cleaning efficiency
- High cleaning efficiency due to 2 polyester 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 efficiency

2 polyester-filter cassettes with 99.9% dust retention

### Dust protection class M

Allows working with hazardous dusts with a limit value  $> 1 \text{ mg/m}^3$

### 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

|                              |              |
|------------------------------|--------------|
| <b>System overview</b>       | <b>72-73</b> |
| <b>Manual</b>                |              |
| Bender one-handed            | 74-76        |
| Bending pliers               | 77-78        |
| Tube bending springs CU      | 79           |
| Internal bending springs MLP | 79           |
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| <b>Hydraulic</b>             |              |
| Bender, manual hydraulic     | 82-83        |
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## Push bending

## TUBE BENDER

## TUBE BENDER MAXI

## TUBE BENDER MAXI MLP



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

## Pull bending

## Standard bending plier

## MULTIBEND

## MINIBEND

## Standard bender 180°



| Method                                   | Manual mechanical 90°             | Manual mechanical 180°                  | Manual mechanical 180°                 | Manual mechanical 180°                 |
|------------------------------------------|-----------------------------------|-----------------------------------------|----------------------------------------|----------------------------------------|
| <b>Working range:</b><br>Copper          | Ø 12–22 mm<br>• Ø 1 mm, semi-hard | Ø 10–18 mm (1/4–5/8")<br>• Ø 1 mm, soft | Ø 6–10 mm (1/4–3/8")<br>• Ø 1 mm, soft | Ø 6–18 mm (1/4–5/8")<br>• Ø 1 mm, soft |
| <b>Working range:</b><br>Aluminium       | ○                                 | Ø 10–18 mm (1/4–5/8")<br>• Ø 1 mm, soft | Ø 6–10 mm (1/4–3/8")<br>• Ø 1 mm, soft | Ø 6–18 mm (1/4–5/8")<br>• Ø 1 mm, soft |
| <b>Working range:</b><br>Precision steel | ○                                 | Ø 10–18 mm (1/4–5/8")<br>• Ø 1 mm, soft | Ø 6–10 mm (1/4–3/8")<br>• Ø 1 mm, soft | Ø 6–18 mm (1/4–5/8")<br>• Ø 1 mm, soft |
| <b>Working range:</b><br>Stainless steel | ○                                 | ○                                       | ○                                      | ○                                      |
| <b>Working range:</b><br>MLP             | ○                                 | ○                                       | ○                                      | ○                                      |
| <b>Page</b>                              | <b>77</b>                         | <b>77</b>                               | <b>78</b>                              | <b>78</b>                              |

## Push bending

## ROBULL Typ E



## ROBULL Typ ME



| Method                                   | Manual hydraulic 90°   | Elektro hydraulic 90°  |
|------------------------------------------|------------------------|------------------------|
| <b>Working range:</b><br>Copper          | <input type="radio"/>  | <input type="radio"/>  |
| <b>Working range:</b><br>Aluminium       | <input type="radio"/>  | <input type="radio"/>  |
| <b>Working range:</b><br>Precision steel | Ø 3/8–2"<br>+Ø 3.65 mm | Ø 3/8–2"<br>+Ø 3.65 mm |
| <b>Working range:</b><br>Stainless steel | <input type="radio"/>  | <input type="radio"/>  |
| <b>Working range:</b><br>MLP             | <input type="radio"/>  | <input type="radio"/>  |
| <b>Page</b>                              | <b>82</b>              | <b>84</b>              |

## 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°                                     |
|------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| <b>Working range:</b><br>Copper          | Ø 10–16 mm (3/8–3/4")<br>+Ø 1 mm, soft, semi-hard, hard | Ø 8–22 mm (5/16–7/8")<br>+Ø 1 mm, soft, semi-hard, hard | Ø 12–35 mm (1/2–1.3/8")<br>+Ø 1.6 mm, soft, semi-hard, hard | Ø 12–35 mm (1/2–1.3/8")<br>+Ø 1.6 mm, soft, semi-hard, hard |
| <b>Working range:</b><br>Aluminium       | <input type="radio"/>                                   | Ø 8–22 mm (5/16–7/8")<br>+Ø 1 mm, soft                  | Ø 12–28 mm (1/2–1.1/8")<br>+Ø 2 mm, soft, semi-hard, hard   | Ø 12–28 mm (1/2–1.1/8")<br>+Ø 2 mm, soft, semi-hard, hard   |
| <b>Working range:</b><br>Precision steel | <input type="radio"/>                                   | Ø 10–22 mm (3/8–5/8")<br>+Ø 1 mm, soft                  | Ø 12–28 mm (1/2–1.1/8")<br>+Ø 2 mm, soft                    | Ø 12–28 mm (1/2–1.1/8")<br>+Ø 2 mm, soft                    |
| <b>Working range:</b><br>Stainless steel | Ø 10–16 mm (3/8–3/4")<br>+Ø 1 mm, soft, semi-hard, hard | Ø 8–22 mm (5/16–7/8")<br>+Ø 1 mm                        | Ø 12–28 mm (1/2–1.1/8")<br>+Ø 1.5 mm, soft                  | Ø 12–28 mm (1/2–1.1/8")<br>+Ø 1.5 mm, soft                  |
| <b>Working range:</b><br>MLP             | <input type="radio"/>                                   | <input type="radio"/>                                   | <input type="radio"/>                                       | <input type="radio"/>                                       |
| <b>Page</b>                              | <b>77</b>                                               | <b>80</b>                                               | <b>86</b>                                                   | <b>88</b>                                                   |

## 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

#### Optimum bending results

Plastic bending segments and support segments with high sliding ability

#### Adjustable bending frame

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

#### Safe transport

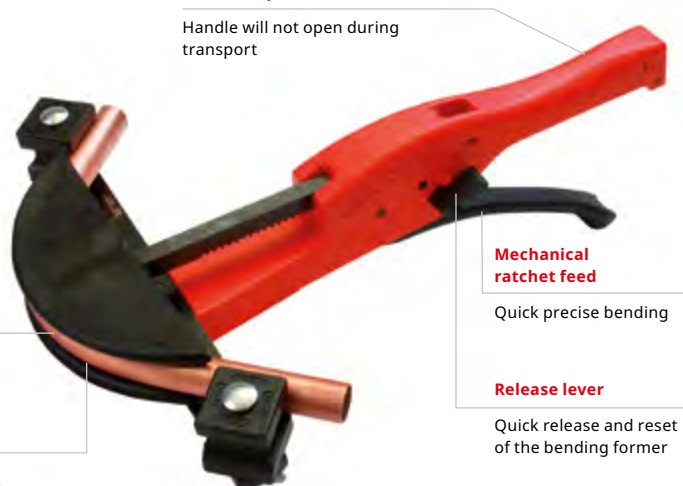
Handle will not open during transport

#### Mechanical ratchet feed

Quick precise bending

#### Release lever

Quick release and reset of the bending former



| 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

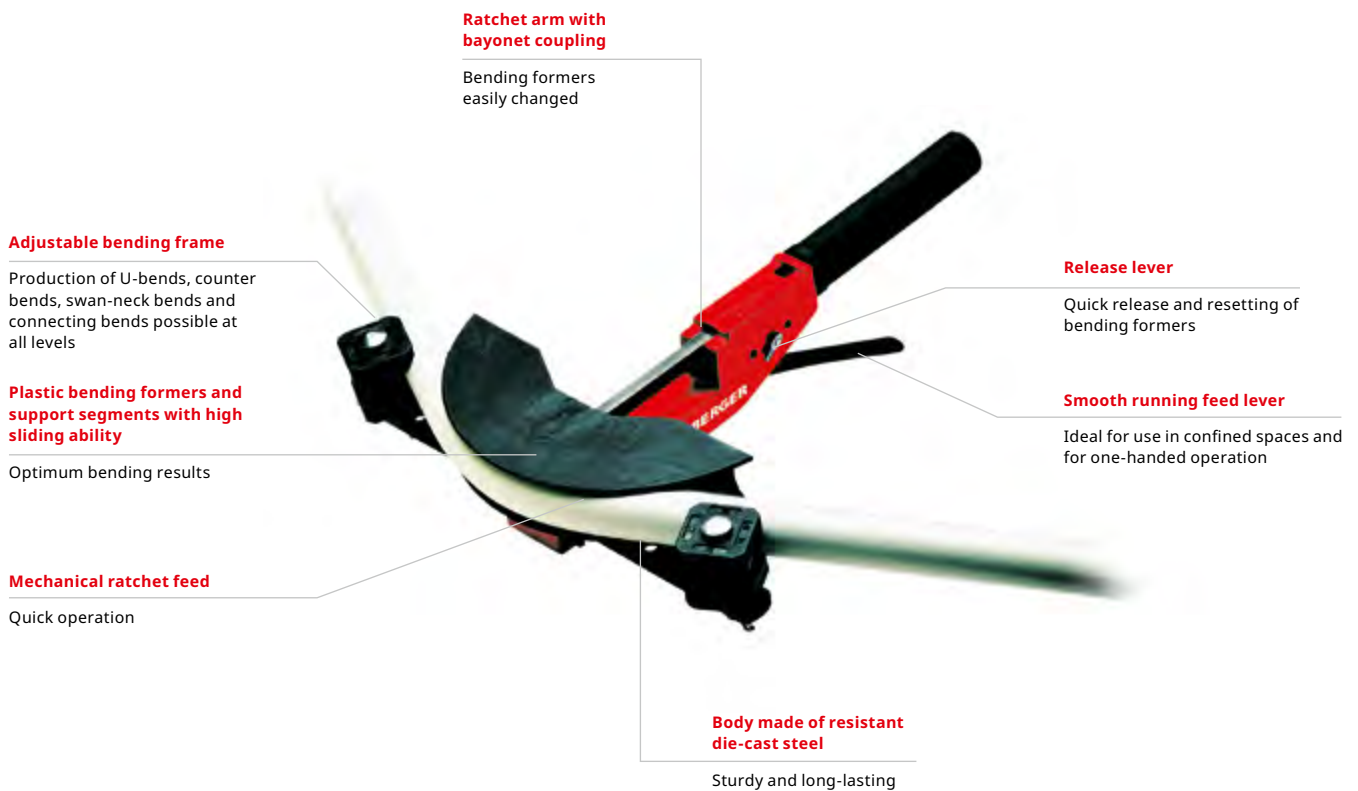
| Model                 | Weight   | PU | No.   | Model                 | Weight   | PU | No.   |
|-----------------------|----------|----|-------|-----------------------|----------|----|-------|
| Bending segment 10 mm | 0.080 kg | 1  | 23001 | Bending segment 20 mm | 0.150 kg | 1  | 23052 |
| Bending segment 12 mm | 0.080 kg | 1  | 23002 | Bending segment 22 mm | 0.170 kg | 1  | 23007 |
| Bending segment 14 mm | 0.080 kg | 1  | 23003 | Bending segment 3/8"  | 0.070 kg | 1  | 23010 |
| Bending segment 15 mm | 0.090 kg | 1  | 23004 | Bending segment 1/2"  | 0.080 kg | 1  | 23011 |
| Bending segment 16 mm | 0.100 kg | 1  | 23005 | Bending segment 5/8"  | 0.100 kg | 1  | 23012 |
| Bending segment 18 mm | 0.140 kg | 1  | 23006 | 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 | 8.300 kg | 1  | 23095 |



| Accessories                 | Weight   | No.   |
|-----------------------------|----------|-------|
| Bending segment 14 × 2.0 mm | 0.080 kg | 23003 |
| Bending segment 16 × 2.0 mm | 0.100 kg | 23005 |
| Bending segment 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



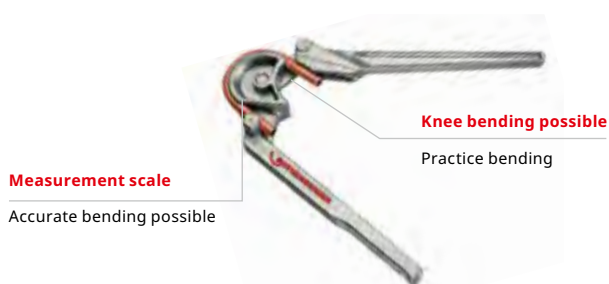
| Model                   | Weight   | PU | No.        |
|-------------------------|----------|----|------------|
| PRO BENDER 10 mm (3/8") | 2.200 kg | 1  | 1000001431 |
| PRO BENDER 1/2"         | 2.100 kg | 1  | 767050016  |
| PRO BENDER 16 mm (5/8") | 4.000 kg | 1  | 1000000445 |
| PRO BENDER 3/4"         | 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 refrigeration and air-conditioning systems
- Long handles allow for better leverage in the bending of semihard copper pipes
- Bending pliers with sliding carriage for millimetre-exact bending
- Accurate adjustments between the bending radius and handle length reduces effort required



| 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 |



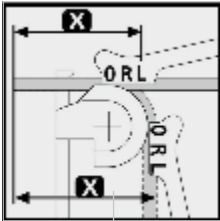
MINIBEND

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")

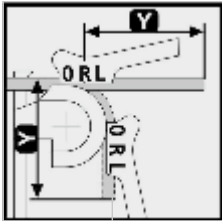
Application Benefits

- Suitable for use in refrigeration and air-conditioning, 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

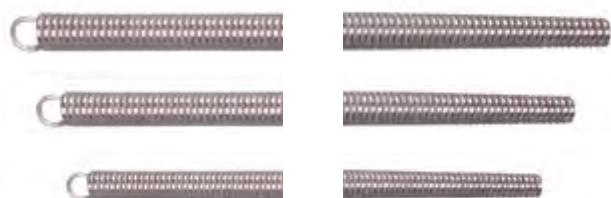
For hand bending of aluminium multilayer pipes (MLP)  
Ø 6–20 mm

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

| 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 |



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.   |
|---------------------|----------|----|-------|
| 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

3

**Optimum combination of  
ROLUB guide shoe and  
the bending former**

Perfect bending results  
without friction marks

**Minimum size chart and bending  
radius display**

Accurate bending

**Bending formers with base plate**

Easy bending through clamping on a  
vice

#### ROLUB-Anti-Block-System

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

#### ROLUB-Anti-Block-System!

**Made from high- quality forged  
aluminium**

Retains shape and remains stable

**Thread for the attachment of  
the additional lever  
(accessories)**

Free-hand bending possible



| 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 tool



**RO  
CASE**

| 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

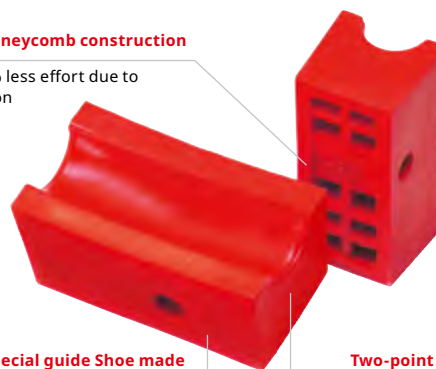
For copper pipe DIN EN 1057/12735-1/13348, aluminum / precision steel pipe DIN 2391/93/94, stainless steel pipe and others

### Application Benefits

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

#### Elastic honeycomb construction

Up to 42 % less effort due to less friction



ROLUB special guide Shoe made of high-quality polyamide

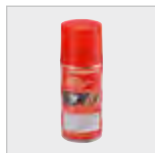
Perfect bending results without friction marks

Two-point lubricating chamber system

Ensures optimum distribution of lubrication

| 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 |

**ROBULL type E**

ROBULL type E with  
foldable bending frame



Fig. similar

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

For bending steel pipes according to DIN EN 10255



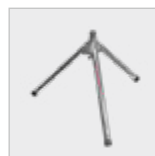
| Model                                    | Weight   | PU | No.   |
|------------------------------------------|----------|----|-------|
| 3/8", wall thickness 2.35 mm, R 45 mm    | 0.700 kg | 1  | 57985 |
| 1/2", wall thickness 2.65 mm, R 49 mm    | 0.700 kg | 1  | 57986 |
| 3/4", wall thickness 2.65 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"

**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



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

## ROBULL type ME



ROBULL type ME with foldable bending frame



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

Suitable for pipes made of:

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

**Copper and precision steel (coated):**  
Ø 12–28 mm, (1/2–1.1/8")

**Precision steel (soft DIN 2391 / 2393 / 2394):**  
Ø 12–28 mm, (1/2–1.1/8")

**Threaded steel (DIN 2440 / 2441):**  
Ø 1/2", 3/4"

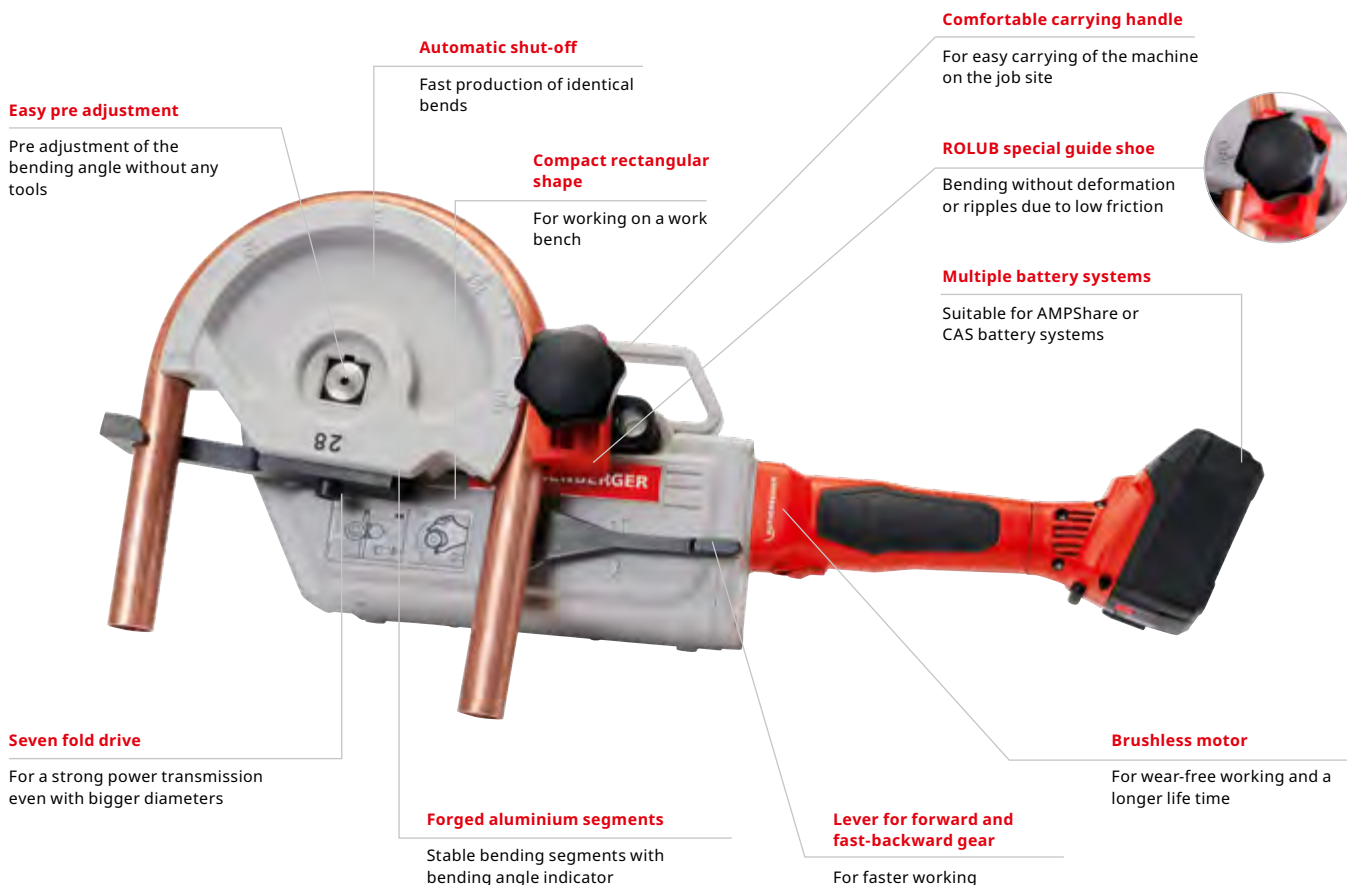
**Seamless stainless steel (GW 541):**  
Ø 12–28 mm, (1/2–1.1/8")



#### Application Benefits

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

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



ROBEND 4000 E

| Model                                                                      | Weight    | PU | AMPSHare-No. | CAS-No.    |
|----------------------------------------------------------------------------|-----------|----|--------------|------------|
| ROBEND 4000 E 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 |



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

Suitable for pipes made of:

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

**Copper and precision steel (coated):**  
Ø 12–28 mm, (1/2–1.1/8")

**Precision steel (soft DIN 2391 / 2393 / 2394):**  
Ø 12–28 mm, (1/2–1.1/8")

**Threaded steel (DIN 2440 / 2441):**  
Ø 1/2", 3/4"

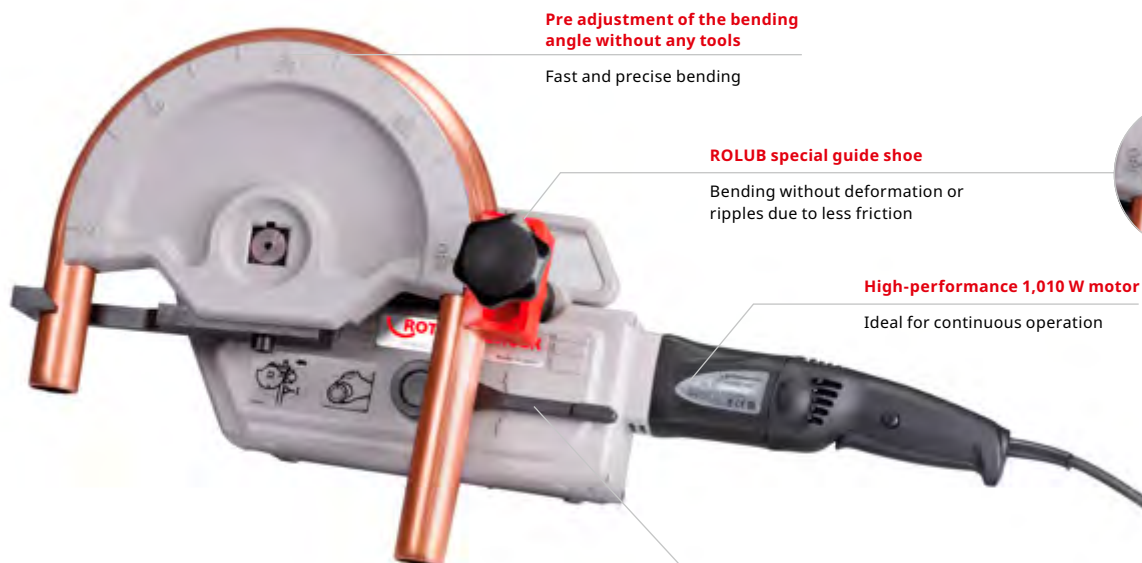
**Seamless stainless steel (GW 541):**  
Ø 12–28 mm, (1/2–1.1/8")

**Application Benefits**

- Quick return on investment through the savings from joints, soldering material and energy
- Universal application: U-bends, counter-bends, swan-neck bends and connecting bends possible at all levels
- Retains shape and remains stable: bending formers made of high-quality forged aluminium
- Top-quality, precise and simple to use
- Bending without deformation or ripples due to less friction
- Motor rating: 1,010 W

**Technical Data**

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



**Pre adjustment of the bending angle without any tools**

Fast and precise bending

**ROLUB special guide shoe**

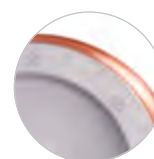
Bending without deformation or ripples due to less friction

**High-performance 1,010 W motor**

Ideal for continuous operation

**Automatic switch-off when preset bending angle is obtained**

Fast batch production possible



**Forged aluminium former with bending radius scale**

Easy to use



**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")

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



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

| 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

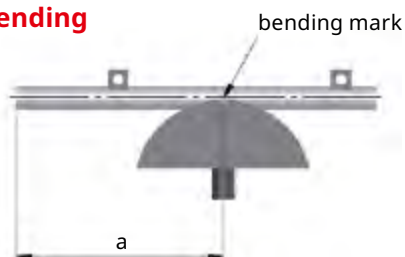
| Model                                      | Weight   | PU | No.        |
|--------------------------------------------|----------|----|------------|
| Bending set for ROBEND 4000 / 4000 E 12 mm | 0.480 kg | 1  | 25612      |
| Bending set for ROBEND 4000 / 4000 E 14 mm | 0.480 kg | 1  | 25614      |
| 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" <sup>1</sup> | 3.400 kg | 1  | 1000001561 |
| Bending set for ROBEND 4000 / 4000 E 1.3/8" <sup>1</sup> | 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).

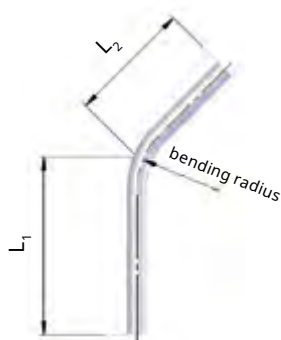
### Push bending



### 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<sup>2</sup>  
 $L_R$  = Reserve length<sup>2</sup>

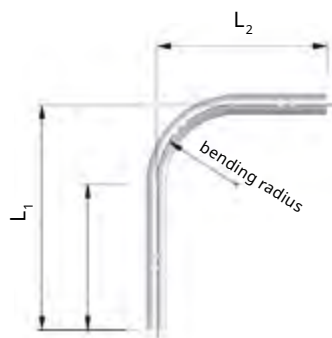
### 45°-arc



$$L = L_1 + L_2$$

$$a = L_1 + L_R$$

### 90°-arc



$$L = L_1 + L_2 - L_M$$

$$a = L_1 - L_R$$

## Calculation examples TUBE BENDER MAXI

### Specifications:

Installation in corner areas

$L_W = 1,200 \text{ mm}$

$A_W = 30 \text{ mm}$

Pipe-Ø 12 mm, 90°-arc

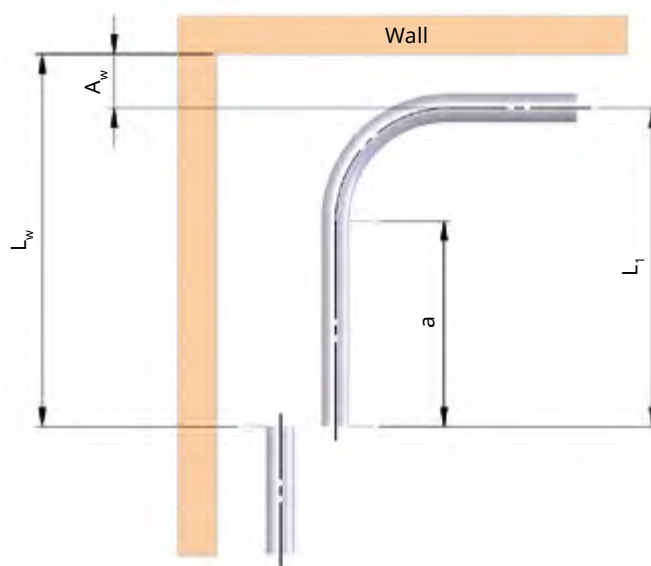
### Sought after:

Leg length  $L_1$

Applied size  $a$

### Solution:

Summary from the TUBE BENDER MAXI bending table



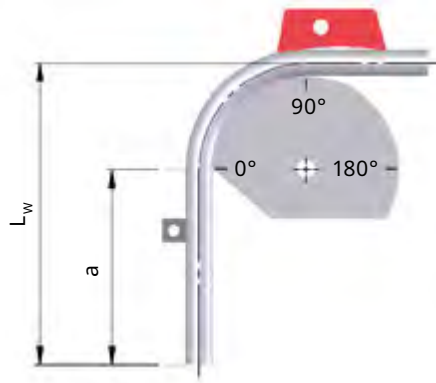
**Leg length**  $L_1 = L_W - A_W = 1,200 - 30 = 1,170 \text{ mm}$   
**Applied size**  $a = L_1 - L_R = 1,170 - 7.5 = 1,162.5 \text{ mm}$ ;  $L_R$  ... Tabular value

| TUBE BENDER        |                          | at 45°                     |                            | at 90°                     |                            | at 180°                    |                            |
|--------------------|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| for Ø<br>mm / inch | Bending radius<br>R (mm) | Reserve length<br>$L_R$ mm | Minimum length<br>$L_M$ mm | Reserve length<br>$L_R$ mm | Minimum length<br>$L_M$ mm | Reserve length<br>$L_R$ mm | Minimum length<br>$L_M$ 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<br>mm / inch | Bending radius<br>R (mm) | Reserve length<br>$L_R$ mm | Minimum length<br>$L_M$ mm | Reserve length<br>$L_R$ mm | Minimum length<br>$L_M$ mm | Reserve length<br>$L_R$ mm | Minimum length<br>$L_M$ 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<br>Ws mm     | Bending radius<br>R (mm) | Reserve length<br>$L_R$ mm | Minimum length<br>$L_M$ mm | Reserve length<br>$L_R$ mm | Minimum length<br>$L_M$ mm | Reserve length<br>$L_R$ mm | Minimum length<br>$L_M$ 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                       | —                          | —                          |

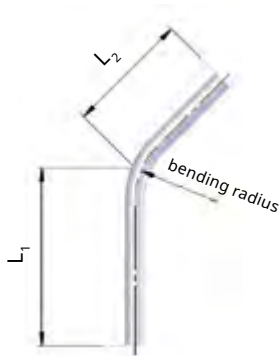
## Pull bending



## 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<sup>1</sup>  
 $L_R$  = Reserve length<sup>1</sup>

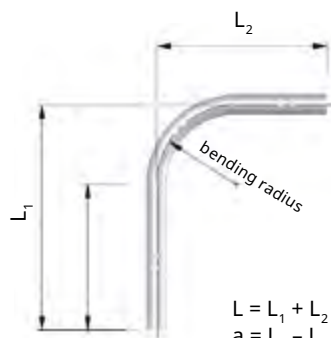
45°-arc



$$L = L_1 + L_2$$

$$a = L_1 + L_R$$

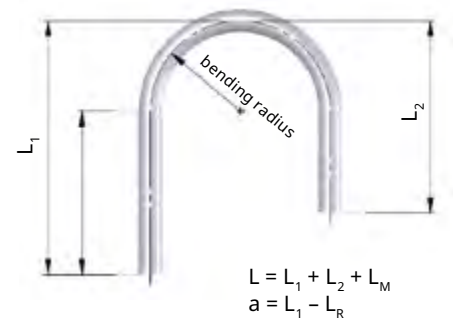
90°-arc



$$L = L_1 + L_2 - L_M$$

$$a = L_1 - L_R$$

180°-arc



$$L = L_1 + L_2 + L_M$$

$$a = L_1 - L_R$$

### Calculation examples

#### ROBEND 4000 / ROBEND 4000 E

**Specifications:**

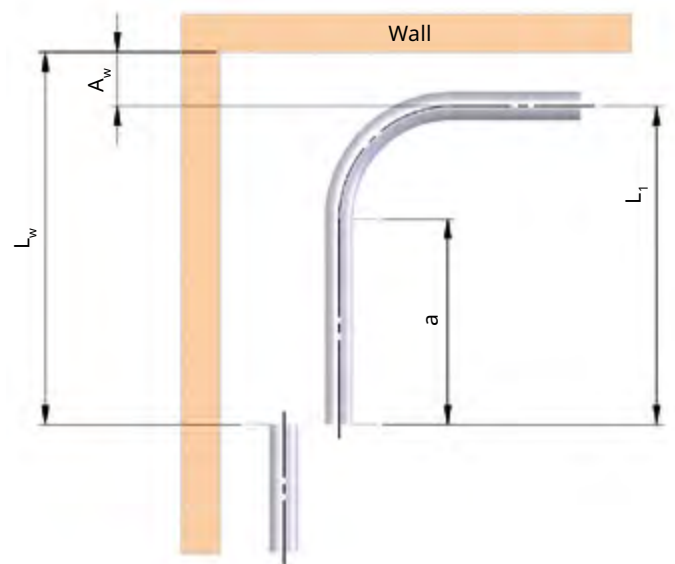
Installation in corner areas

 $L_w = 1,200$  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**

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

**Applied size**

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

**ROBEND H+W PLUS**

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

**MINIBEND**

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

**Standard bender 180°**

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

**MULTIBEND**

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

**ROBEND 4000 / 4000 E**

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









## Expanding, extracting and flaring

|                                 |              |
|---------------------------------|--------------|
| <b>System overview</b>          | <b>96-97</b> |
| Expanding manual                | 98-104       |
| Accessories expanding           | 105          |
| Expanding and extracting manual | 106          |
| Extracting manual               | 107-109      |
| Accessories extracting manual   | 110          |
| Flaring                         | 111-114      |
| Torque wrench                   | 115          |

|                                  | Expander                                                                          |                                                                                    |                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                  | ROLOCK expander power torque                                                      | Expander A0                                                                        | Step expander A1                                                                    |
|                                  |  |  |  |
| Working range<br>Copper          | Ø 8–42 mm (5/16–1.3/4")<br>Wall thickness 1.6 mm<br>soft, semi-hard               | Ø 22–67 mm (1–2.1/2")<br>Wall thickness 2.5 mm<br>soft, semi-hard                  | Ø 35–108 mm (1.3/8–4.1/8")<br>Wall thickness 2.5 mm<br>soft                         |
| Working range<br>Aluminium       | Ø 8–28 mm (5/16–1.1/8")<br>Wall thickness 1.6 mm<br>soft                          | Ø 22–67 mm (1–2.1/2")<br>Wall thickness 2.5 mm<br>soft, semi-hard                  | Ø 35–108 mm (1.3/8–4.1/8")<br>Wall thickness 2.5 mm<br>soft                         |
| Working range<br>Precision steel | Ø 8–28 mm (5/16–1.1/8")<br>Wall thickness 1.6 mm<br>soft                          | Ø 22–54 mm (1–2.1/8")<br>Wall thickness 1.5 mm<br>soft                             | ○                                                                                   |
| Working range<br>Stainless steel | Ø 8–22 mm (5/16–7/8")<br>Wall thickness 1 mm<br>soft                              | Ø 22–54 mm (1–2.1/8")<br>Wall thickness 1.5 mm<br>soft                             | ○                                                                                   |
| Page                             | 98                                                                                | 102                                                                                | 104                                                                                 |

## Expander heads

**Expander head  
ROLOCK**



**Expander head  
standard**



**Expander head  
Typ S**



**Flanged riveted  
expander head**



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

### Step expander head



|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| Working range<br>Copper          | Ø 35–108 mm (1.3/8–4.1/8")<br>Wall thickness 2.5 mm<br>soft |
| Working range<br>Aluminium       | Ø 35–108 mm (1.3/8–4.1/8")<br>Wall thickness 2.5 mm<br>soft |
| Working range<br>Precision steel |                                                             |
| Working range<br>Stainless steel |                                                             |
| <b>Page</b>                      | <b>104</b>                                                  |



## 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, refrigeration and air-conditioning systems

Suitable for pipes made of:

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

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

**Aluminium (soft):**

Ø 8–28 mm, 5/16–1.1/8", max. wall thickness 1.6 mm

**Precision steel (soft):**

Ø 8–28 mm, 5/16–1.1/8", max. wall thickness 1.6 mm

**Stainless steel (soft):**

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



### EPT-Technology (Enclosed Power Transmission)

of the expander head offers the following technical benefits:

#### Concealed bent lever:

Protection against dirt and external mechanical damage

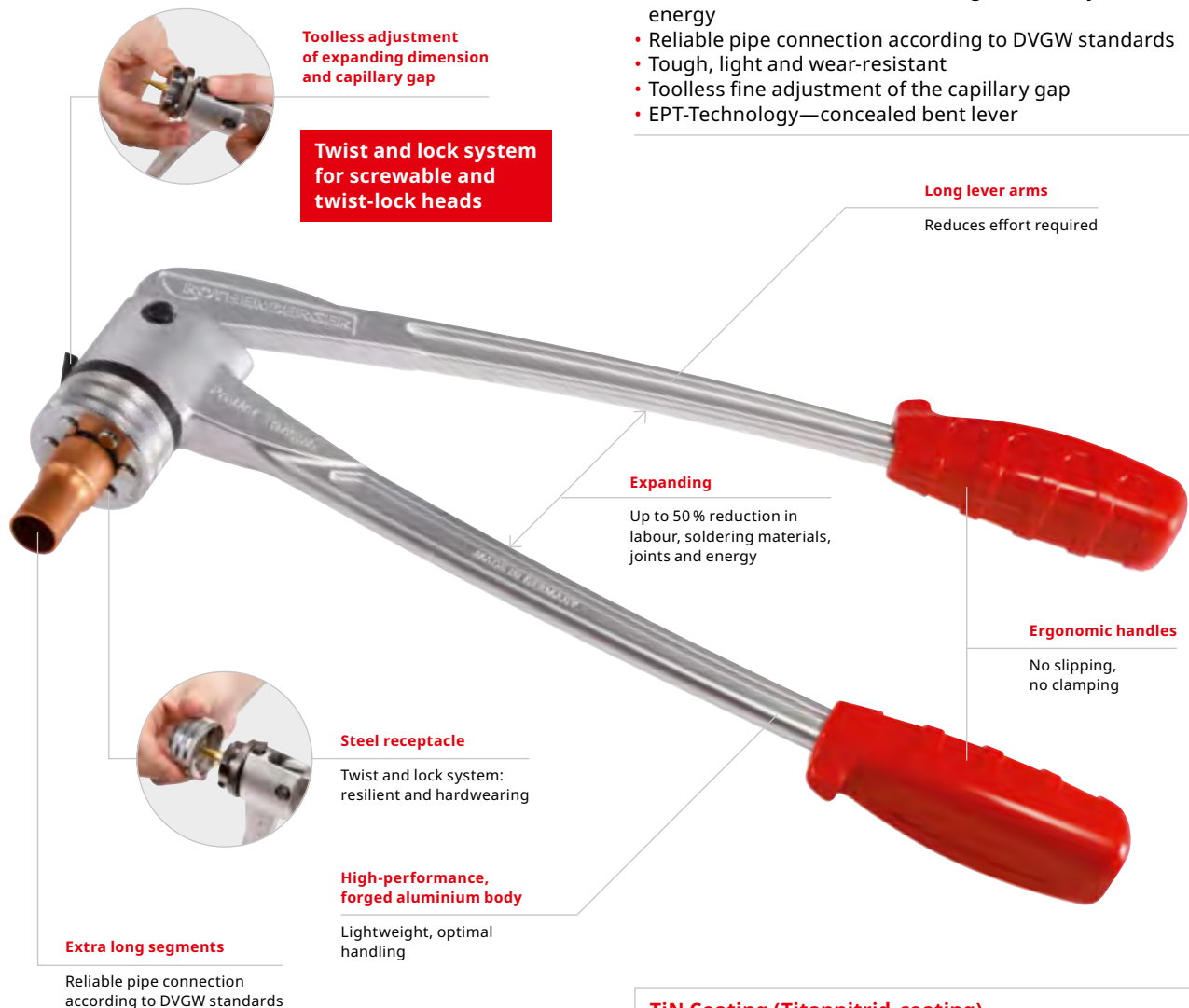
#### Energy efficient through optimised force transmission:

Ergonomic, highly optimised force flow in relation to the hand force of the user, therefore reducing effort

### Application Benefits

- Eliminates the cost of purchase and storage of fittings
- Converts deformed pipes into fittings, saves resources
- 50 % reduction of labour, soldering materials, joints and 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

4



### TiN Coating (Titanitrid-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

### Made in Germany

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

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

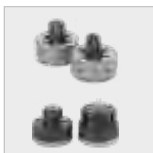
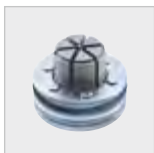
## ROLOCK expander power torque sets



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 |

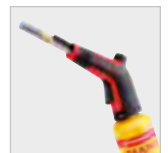
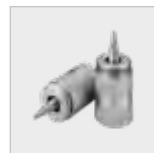
| Model                            | Weight   | PU | No.   |
|----------------------------------|----------|----|-------|
| 12-15-18-22-28-35-42 mm          | 4.200 kg | 1  | 12526 |
| 3/8-1/2-5/8-3/4-1"               | 3.325 kg | 1  | 12517 |
| 3/8-1/2-5/8-3/4-7/8-1.1/8"       | 3.600 kg | 1  | 12518 |
| 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

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### Accessories

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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

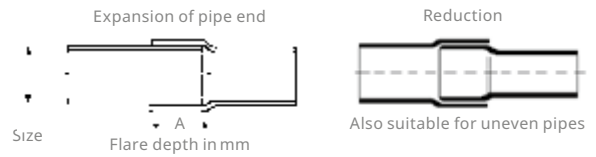
For expanding copper, stainless steel and aluminum pipes in sanitary/heating and refrigeration/air-conditioning technology

### Application Benefits

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

### 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



### 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<br>mm | max. wall thickness mm |     |     |      | A-size<br>mm | Weight   | No.   |
|---------|------------------------|-----|-----|------|--------------|----------|-------|
|         | Cu                     | Al  | Fe  | INOX |              |          |       |
| 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<br>Inch | max. wall thickness mm |     |     |      | A-size<br>mm | Weight   | No.   |
|-----------|------------------------|-----|-----|------|--------------|----------|-------|
|           | Cu                     | Al  | Fe  | INOX |              |          |       |
| 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

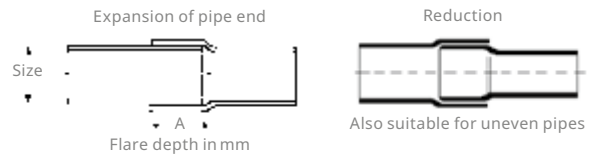
For expanding copper, stainless steel and aluminum pipes in sanitary/heating and refrigeration/air-conditioning technology

### Application Benefits

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

### Made in Germany

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



### 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<br>mm | max. wall thickness mm |     |     |      | A-size<br>mm | Weight   | No.   |
|---------|------------------------|-----|-----|------|--------------|----------|-------|
|         | Cu                     | Al  | Fe  | INOX |              |          |       |
| 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<br>Inch | max. wall thickness mm |     |     |      | A-size<br>mm | Weight   | No.   |
|-----------|------------------------|-----|-----|------|--------------|----------|-------|
|           | Cu                     | Al  | Fe  | INOX |              |          |       |
| 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, refrigeration and air-conditioning systems

Suitable for pipes made of:

**Copper and aluminium (soft, semi-hard):**

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

**Precision steel (soft) and stainless steel per DVGW-GW541:**

Ø 22-54 mm, 1-2.1/8", max. wall thickness 1.5 mm

Application Benefits

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

Functional elements:

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



Fig. similar



Fine adjustment can be locked

Continuous adjustment of the socket size and capillary gap

Long handles

Optimized action principle

Strong pin guide

Full bearing of the expander head segments allow heavy loads

Reinforced expander head casing

Precise and exact flaring

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

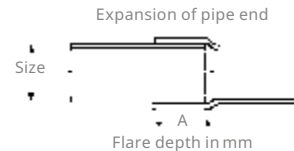
Expander A0 basic unit (No. 11004) includes:  
square drive mechanism 3/4" with handle, without expander head and ratchet

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

## Expander head type S

**For the precise expansion of normal and thick walled pipes  
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, refrigeration and air conditioning sector.



| Ø<br>mm | max. wall thickness mm |     |     |      | A-size<br>mm | Weight   | No.   |
|---------|------------------------|-----|-----|------|--------------|----------|-------|
|         | Cu                     | Al  | Fe  | INOX |              |          |       |
| 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<br>Inch | max. wall thickness mm |     |     |      | A-size<br>mm | Weight   | No.   |
|-----------|------------------------|-----|-----|------|--------------|----------|-------|
|           | Cu                     | Al  | Fe  | INOX |              |          |       |
| 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 |

## 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, refrigeration and air-conditioning systems

Suitable for pipes made of:

**Copper and aluminium (soft):**

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

## 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



Fig. 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<br> |  |  |  |  |  |
| ROCAM expander power torque<br>  | ○                                                                                   | ●                                                                                   |  | ●                                                                                     | ○                                                                                     |
| Expander A0<br>                  | ○                                                                                   | ○                                                                                   | ●                                                                                   | ○                                                                                     | ○                                                                                     |
| Expander A1<br>                  | ○                                                                                   | ○                                                                                   | ○                                                                                   | ○                                                                                     | ●                                                                                     |
| Expander pistol H1<br>           | ○                                                                                   | ●                                                                                   |  | ●                                                                                     | ○                                                                                     |

● 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

4



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

Extractor cam pincer

Limits insertion depth for Ø 13-38 mm (1/2-1.1/2")

No. 22080



Fig. similar

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



## 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

## Made in Germany

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



## Extractor cam pincher

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

No. 22080



No. 21583 / No. 21575

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



Fig. similar

| 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

| 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 |

### Double V-block

Accurate and firm positioning for exact 90° branches

### Specially polished, forged and tempered extractor hooks

Burr-free operation

### Special hook design

Easy insertion into the drilled hole

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



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

## Spare extractor hook

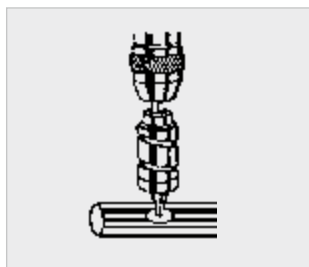
**Hooks, specially polished, tempered from Ø 10–54 mm (3/8–2.1/8")**

| 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 |

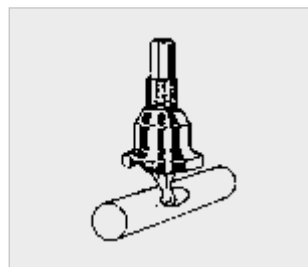
| Model                 | Weight   | PU | No.        |
|-----------------------|----------|----|------------|
| Extractor hook 1"     | 0.210 kg | 1  | 1300005062 |
| Extractor hook 1.1/8" | 0.220 kg | 1  | 1300005063 |
| Extractor hook 1.1/4" | 0.270 kg | 1  | 1300005064 |
| Extractor hook 1.5/8" |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



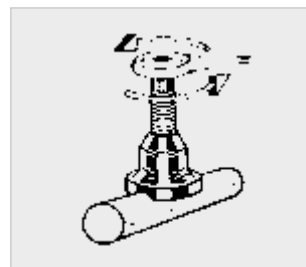
Precise drilling of the pipe without a centre punch—drill stop prevents perforation of the pipe



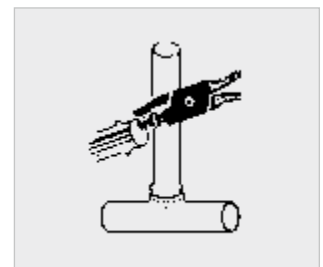
Insert extractor hook into the drilled hole and screw the bell firmly against the drill hole



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



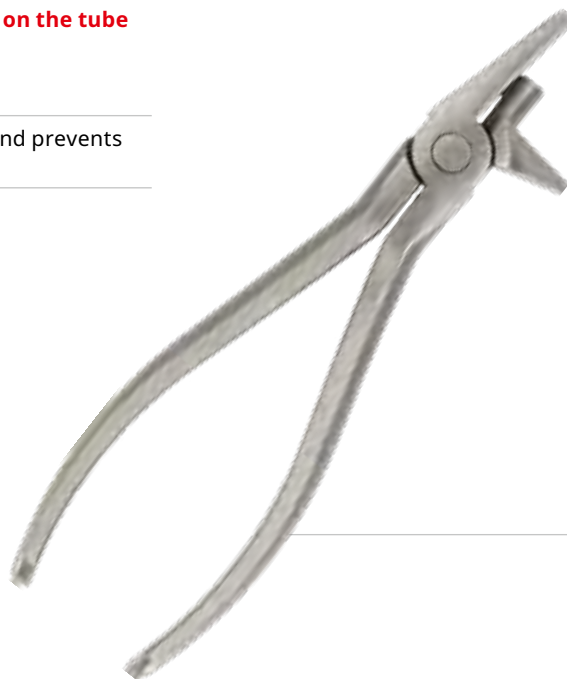
| Model                                      | Weight   | PU | No.   |
|--------------------------------------------|----------|----|-------|
| Extractor ratchet<br>10–42 mm (3/8–1.3/4") | 0.435 kg | 1  | 27180 |
| Extractor ratchet<br>50–54 mm, (2–2.1/8")  | 1.140 kg | 1  | 27181 |

## 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<br>13–38 mm (1/2–1.1/2") | 0.150 kg | 1  | 22080 |



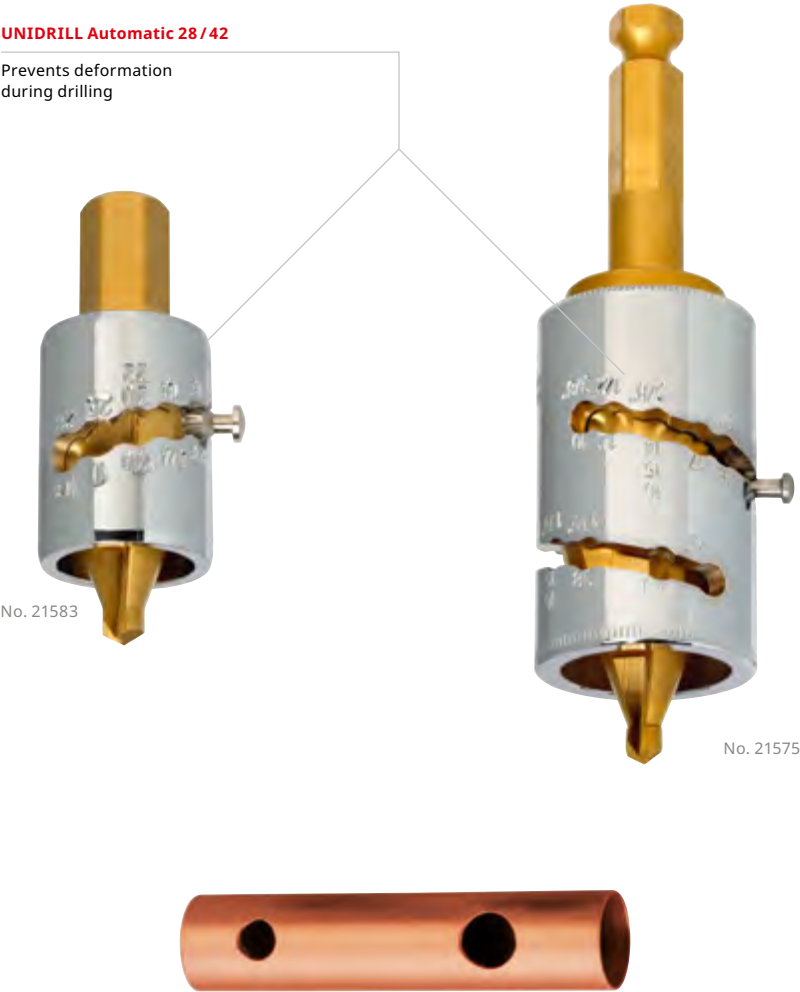
UNIDRILL Automatic 28 / 42

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

4



| 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  
 $\varnothing$  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

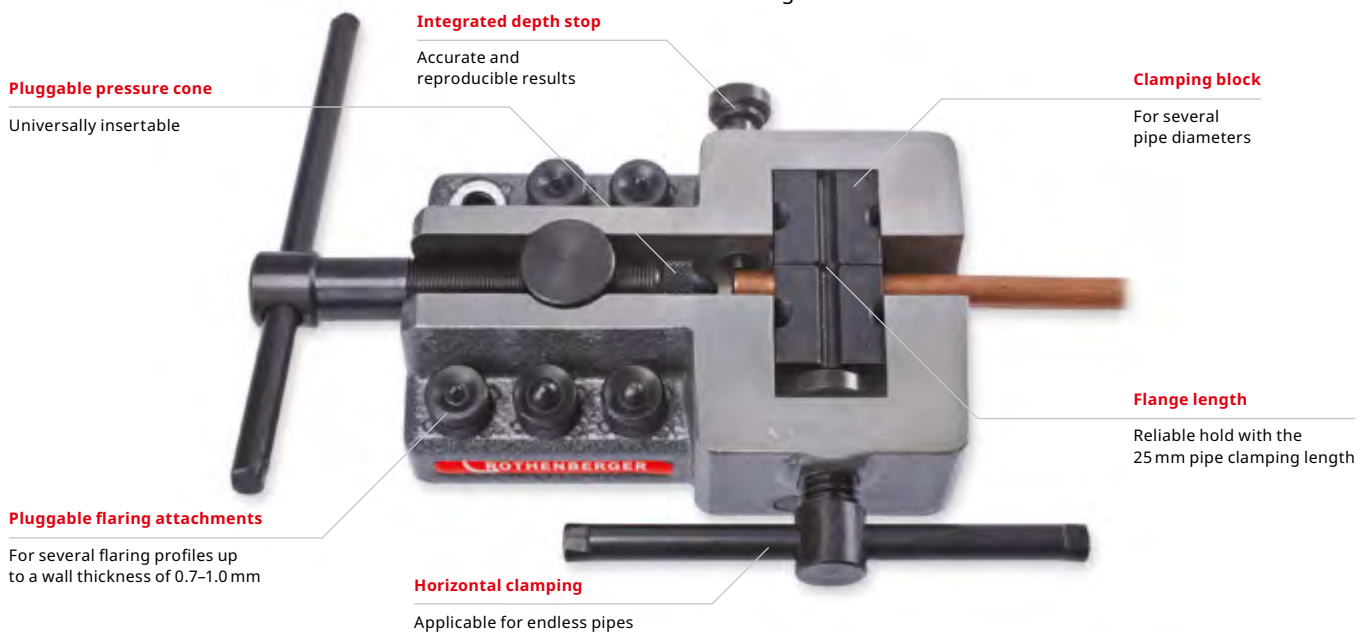
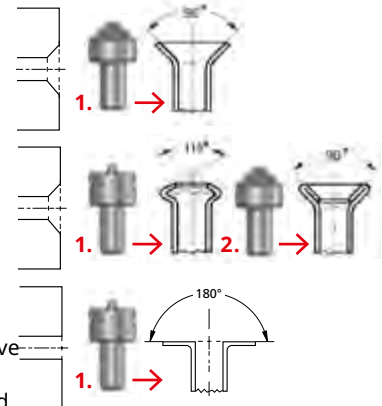
- Standard flaring contour

### 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



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 |

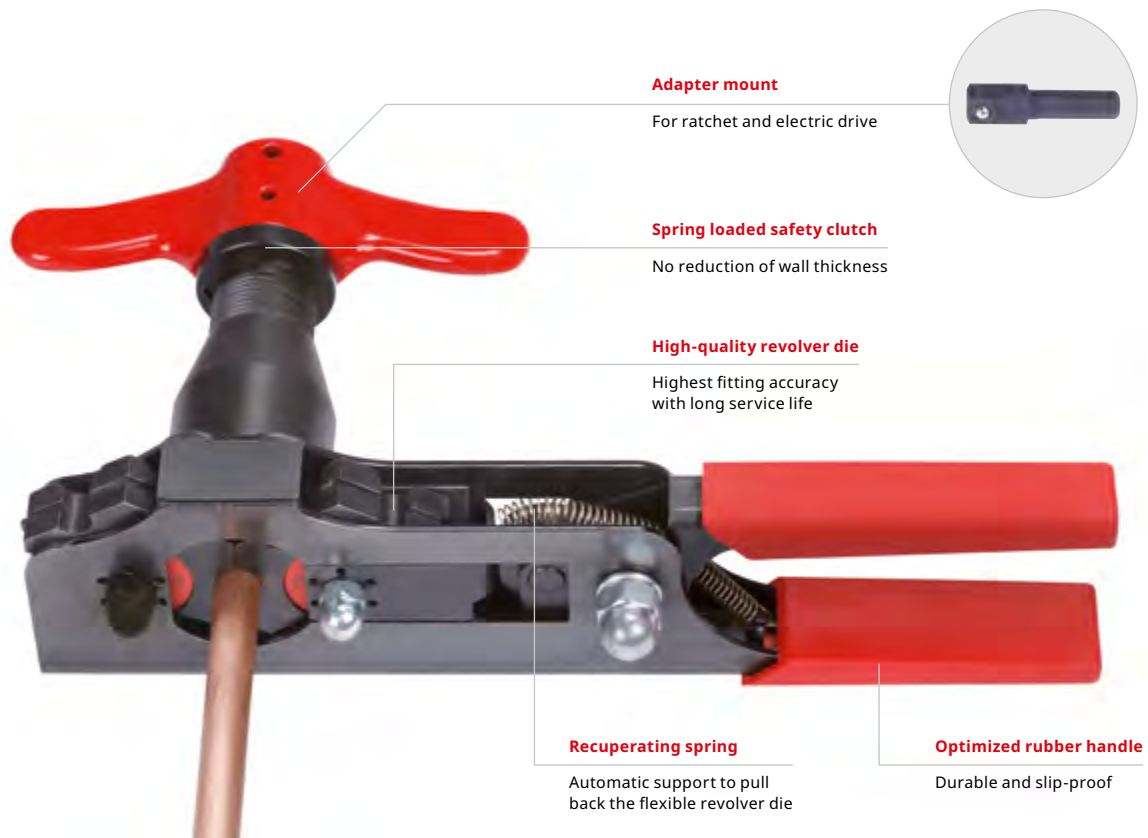
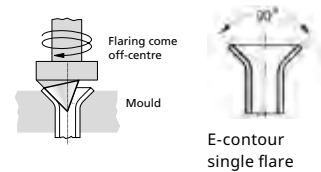
### ROFLARE REVOLVER

#### 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"

#### 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



**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,<br>6–8–10–12–16–18 mm                                  | 1.300 kg | 1  | 1000000222 |
| Imperial,<br>1/4–5/16–3/8–1/2–5/8–3/4"                         | 1.710 kg | 1  | 1000000223 |
| Set metric with<br>ROTRAC 28 PLUS chrome,<br>limited edition   | 1.300 kg | 1  | 1000000230 |
| Set imperial with<br>ROTRAC 28 PLUS chrome,<br>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

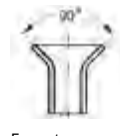
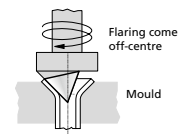


## Reeling flaring tool

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

### Application Benefits

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



E-contour  
single flare

No. 222401, No. 222402,  
No. 222403

### Square connection

For manual operation, for example  
cordless screwdriver

### Spring-loaded slide coupling

No reduction in wall thickness

### Flare cone rotates off-centre in needle bearings

Controlled expanding shaping  
of the pipe end without tearin

### Made from forged steel

Robust and long-lasting

### Self-centring die

Highest flare precision

### Adaptor for cordless screwdriver

Die available in metric  
and imperial sizes

Pipe will not slip



Fig. similar

| Model                                                | Weight   | PU | No.    |
|------------------------------------------------------|----------|----|--------|
| Dies metric,<br>6–8–10–12–14–15–16–18 mm             | 0.400 kg | 1  | 222413 |
| Dies imperial,<br>1/8–3/16–1/4–5/16–3/8–1/2–5/8–3/4" | 0.400 kg | 1  | 222412 |
| Set metric,<br>6–8–10–12–14–15–16–18 mm              | 2.080 kg | 1  | 222403 |

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

| Model                                                                                      | Weight   | PU | No.    |
|--------------------------------------------------------------------------------------------|----------|----|--------|
| Set imperial,<br>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,<br>6–8–10–12–14–15–16–18 mm<br>1/8–3/16–1/4–5/16–3/8–1/2–5/8–3/4" | 2.650 kg | 1  | 222401 |

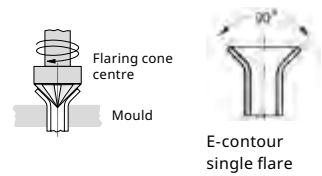


Universal flaring tool

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



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<br>4–16 mm (3/16–5/8") | 0.900 kg | 1  | 222601 |

Flaring and bending set

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

Application Benefits

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



Fig. similar

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<br>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

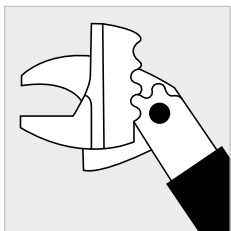
### Step-less torque wrench

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

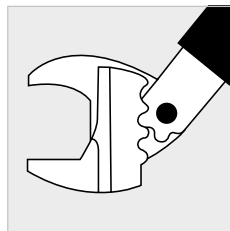
#### Application Benefits

- 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 |

### Torque wrench set

#### For proper tightening of flange connections

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

#### Application Benefits

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

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<br>17–22–24–26–27–29 mm | 3.500 kg | 1  | 175001 |

#### Connection 9 × 12

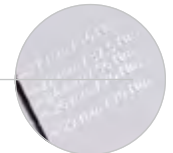
Head can be exchanged between ROTORQUE AIRCON and ROTORQUE REFRIGERATION

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



The torque can be read off

Always tighten according to the standard



#### ROTORQUE AIRCON torque wrench

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

#### ROTORQUE REFRIGERATION torque wrench

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



Fig. ROTORQUE AIRCON torque wrench



Fig. ROTORQUE REFRIGERATION torque wrench

Fix with torque urgently necessary!



Fig. similar

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







## Pressing

|                                            |                |
|--------------------------------------------|----------------|
| <b>System overview</b>                     | <b>120–121</b> |
| Constant Force Technology                  | 118            |
| DURA LAZR TEC                              | 119            |
| Press machine ROMAX NANO                   | 122            |
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| Press machines standard                    | 126–129        |
| Conex Bänninger® >B< MaxiPro® press system | 130–133        |
| Press rings                                | 133, 134       |
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| 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.

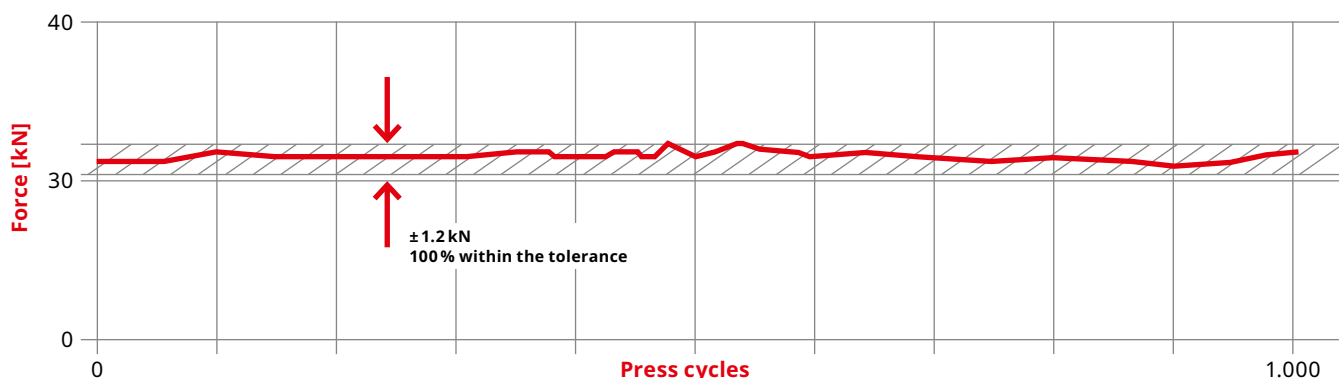


### CFT guarantees:

- 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!



### Partial laser-hardening for highly stressed surfaces

- Ideal accuracy of contour for highest precision during the complete live time
- 40 % increase in hardness<sup>1</sup>

### Highest degree of hardness

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

### ROTHENBERGER press jaws before surface treatment

5



**+ 40 %**  
HARDNESS  
AT HIGHLY STRESSED  
AREAS<sup>1</sup>

**+100%**  
PRESS CYCLES  
WITH LASER  
HARDENING<sup>1</sup>

### 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 %<sup>1</sup>

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  
compactPress jaws  
standardPress 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                                  | ●          | ●          | ●          |
| Suitable for all press machines with a constant axial thrust of | 19–21 kN   | 32–34 kN   | 32–34 kN   |
| <b>Page</b>                                                     | <b>135</b> | <b>139</b> | <b>140</b> |

## Press rings, press jaws and press chains

## Press rings

Interchangeable press jaw  
compactPress 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                                  | ●                    | ●          | ●          |
| Suitable for all press machines with a constant axial thrust of | 19–21 kN<br>32–34 kN | 19–21 kN   | 32–34 kN   |
| <b>Page</b>                                                     | <b>133</b>           | <b>138</b> | <b>141</b> |

**>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 <sup>1</sup> |
| Working range multilayer                                           | ○          | ○          | ○                    | ○                  |
| Snap on                                                            | ○          | ○          | ●                    | ○                  |
| DURA LAZR TEC                                                      | ●          | ●          | ●                    | ●                  |
| Long-term corrosion prot.                                          | ●          | ●          | ●                    | ●                  |
| 3-bolt synch. mechanism                                            | ●          | ●          | ○                    | ○                  |
| Precision-manufactured contour                                     | ●          | ●          | ●                    | ●                  |
| Compatible with Conex Bänninger®<br>>B< MaxiPro® press system      | ●          | ●          | ●                    | ●                  |
| Suitable for all press machines with a<br>constant axial thrust of | 19–21 kN   | 32–34 kN   | 19–21 kN<br>32–34 kN | 32–34 kN           |
| <b>Page</b>                                                        | <b>132</b> | <b>132</b> | <b>133</b>           | <b>133</b>         |

**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<br>pressings / 2 years | 40,000 pressings<br>2 years | 40,000 pressings<br>2 years | 20,000 pressings<br>2 years | 10,000 pressings<br>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           | ●                                       | ●                           | ○                           | ○                           | ○                           |
| <b>Page</b>            | <b>122</b>                              | <b>124</b>                  | <b>126</b>                  | <b>128</b>                  | <b>129</b>                  |

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                   |



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

NANO iJAWS (Smart)

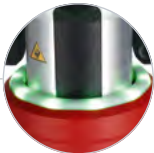
New type of pressing jaws with RFID tag and optimised in size and weight

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)

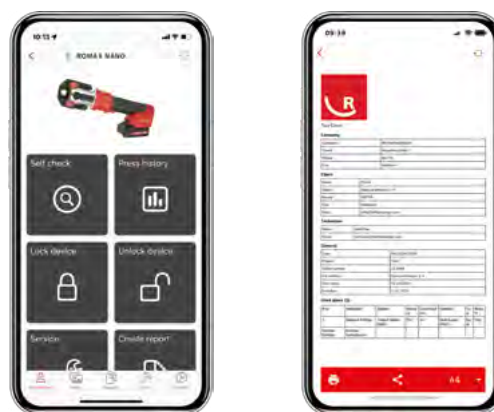


## Connected with the ROTHENBERGER App

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!**



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.



| Model                                 | Weight   | PU | No.        |
|---------------------------------------|----------|----|------------|
| ROMAX NANO bare tool CAS, ROCASE 4212 | 3.825 kg | 1  | 1000004824 |

**Battery and charger are not included in the ROMAX NANO set!**

## 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 Ladegerät, 230 V   | 0.580 kg | 1  | 1000001654 |

**ROMAX NANO Pressbacken und Pressbacken-Sets auf Seite 137**

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 2.0Ah battery)              |
| Piston force / hub                       | 19 kN / 30 mm                                       |
| Nominal size                             | Ø 12–40 mm plastic / multilayer<br>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<br>(with SV18 stainless steel) | up to 130 times (with 2.0Ah battery)                |

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

R-System Label

Jaw matching indicator reduces misuse risk of attaching incompatible jaws

Black colored parts

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

Bluetooth® inside

Connects the machine with ROTHENBERGER App

Multiple battery systems

Suitable for AMPShare or CAS battery systems

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.



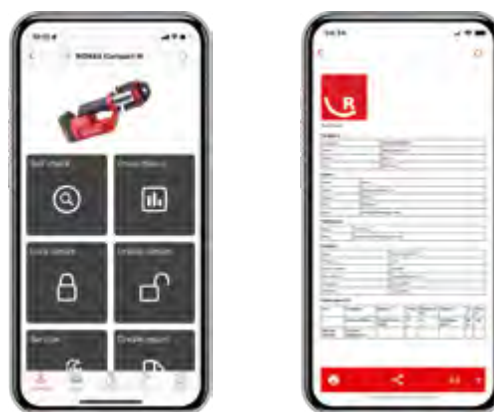
With just 2.5 kg of weight, overhead jobs will be effortless even over an extended period of time.



## 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 18V          | 0.400 kg | 1  | 1000003859   |
| RO BP18/4, 4.0 Ah 18V          | 0.600 kg | 1  | 1000003860   |
| RO BP18/4, 4.0 Ah 18V, ProCORE | 0.520 kg | 1  | 1000003863   |
| RO BP18/8, 8.0 Ah 18V, ProCORE | 0.960 kg | 1  | 1000003864   |
| RO BC18 charger, 230V          | 0.550 kg | 1  | 1000003858   |

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



Multiple battery systems

Suitable for AMPShare or CAS battery systems

## 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. | Model                         | Weight   | PU | CAS-No.    |
|---------------------------------|----------|----|--------------|-------------------------------|----------|----|------------|
| RO BP18/2, 2.0 Ah 18 V          | 0.400 kg | 1  | 1000003859   | RO BP18/2, 2.0 Ah 18 V        | 0.420 kg | 1  | 1000001652 |
| RO BP18/4, 4.0 Ah 18 V          | 0.600 kg | 1  | 1000003860   | RO BP18/4, 4.0 Ah 18 V        | 0.575 kg | 1  | 1000001653 |
| RO BP18/4, 4.0 Ah 18 V, ProCORE | 0.520 kg | 1  | 1000003863   | RO BP18/4, 4.0 Ah 18 V, Li-HD | 0.515 kg | 1  | 1000002548 |
| RO BP18/8, 8.0 Ah 18 V, ProCORE | 0.960 kg | 1  | 1000003864   | RO BP18/8, 8.0 Ah 18 V, Li-HD | 0.915 kg | 1  | 1000002549 |
| RO BC18 charger, 230 V          | 0.550 kg | 1  | 1000003858   | 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



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<br>110 V on request |
| Temperature           | -15 °C up to 60 °C                   |

5



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

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

Batch production possible



Slim design



## ROMAX AC ECO

**Electro-hydraulic press machine with mains operation for 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<br>110 V on request |

#### 270° rotatable jaw fixture

For easy use in confined spaces

#### Compatible jaw fixture

Suitable for common standard press jaws (32 kN)

#### Emergency stop switch

Immediate interruption of the feed

#### Safety lock

No unintentional opening because a 180° rotation is necessary

#### Balanced weight distribution

Ergonomic use

#### 5 m cable length

Large operations radius

#### Constant Force Technology (CFT)

For constant axial pressing force



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 |



## 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

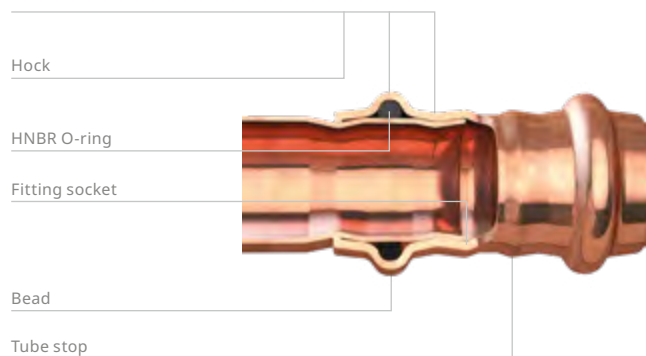
Press ring set >B< MaxiPro  
No. 1000003641

### 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 <sup>-7</sup> Pa.m <sup>3</sup> /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



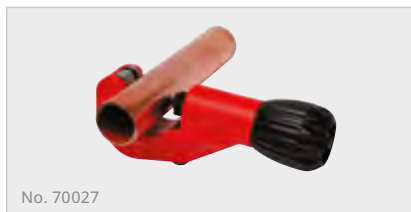
Set (No. 1000004286) includes: ROMAX Compact III press machine, 1 × RO BP18/2, 2.0 Ah 18 V (No. 1000001652), RO BC14/36 charger, 230 V (No. 1000001654), 8 × press jaws (No. see below), TUBE CUTTER 35 (No. 70027), internal and external deburrer (No. 1500000237), UNIGRAT pencil deburrer (No. 21660), ROVLIES 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<br>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<br>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<br>incl. 1 × 4.0 Ah battery            | 1/4–1.1/8"   | 24.300 kg | 1  | 1000004175   | 1000002945 |
| ROMAX 4000 press jaw set >B< MaxiPro<br>incl. 1 × 4.0 Ah battery, UK        | 1/4–1.1/8"   | 24.300 kg | 1  |              | 1000002946 |

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

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

1. Cut the tube to length.



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](http://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.        | CAS                           | Weight   | PU | No.        |
|---------------------------------|----------|----|------------|-------------------------------|----------|----|------------|
| RO BP18/2, 2.0 Ah 18 V          | 0.400 kg | 1  | 1000003859 | RO BP18/2, 2.0 Ah 18 V        | 0.420 kg | 1  | 1000001652 |
| RO BP18/4, 4.0 Ah 18 V          | 0.600 kg | 1  | 1000003860 | RO BP18/4, 4.0 Ah 18 V        | 0.575 kg | 1  | 1000001653 |
| RO BP18/4, 4.0 Ah 18 V, ProCORE | 0.520 kg | 1  | 1000003863 | RO BP18/4, 4.0 Ah 18 V, Li-HD | 0.515 kg | 1  | 1000002548 |
| RO BP18/8, 8.0 Ah 18 V, ProCORE | 0.960 kg | 1  | 1000003864 | RO BP18/8, 8.0 Ah 18 V, Li-HD | 0.915 kg | 1  | 1000002549 |
| RO BC18 charger, 230 V          | 0.550 kg | 1  | 1000003858 | RO BC14/36 charger, 230 V     | 0.580 kg | 1  | 1000001654 |

**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.



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.



Fig. similar

No. 1000004602

| 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 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.



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  | 1000003930 |

| Model                   | Press rings Ø  | Weight   | PU | No.        |
|-------------------------|----------------|----------|----|------------|
| Press ring TH           | 20 mm          | 0.540 kg | 1  | 1000003931 |
| Press ring TH           | 26 mm          | 0.470 kg | 1  | 1000003933 |
| Press ring TH           | 32 mm          | 0.640 kg | 1  | 1000003934 |
| Press ring U            | 16 mm          | 0.290 kg | 1  | 1000003938 |
| Press ring U            | 20 mm          | 0.280 kg | 1  | 1000003939 |
| Press ring U            | 25 mm          | 0.460 kg | 1  | 1000003940 |
| Press ring U            | 32 mm          | 0.580 kg | 1  | 1000003941 |
| Press ring set SV       | 15-18-22-28 mm | 1.780 kg | 1  | 1000003974 |
| Press ring set 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).



#### DURA LAZR TEC

100% more press cycles thanks to laser hardening<sup>1)</sup>

#### 3-bolt synchronised mechanism

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

#### Batch numbering and individual testing

Secures the high-quality standard of material and press contour

#### Precision-manufactured contours

For optimum and reliable pressings

#### Made of forged, highly resilient special steel

Suitable for all press machines with a constant axial thrust of 19–21 kN and compatible press jaw fixture

#### Permanent bolt

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

#### Long-term corrosion protection

Optimum for heavy-duty field operation

#### Optimum for heavy-duty field operation

Adapted power flow and less wear and tear

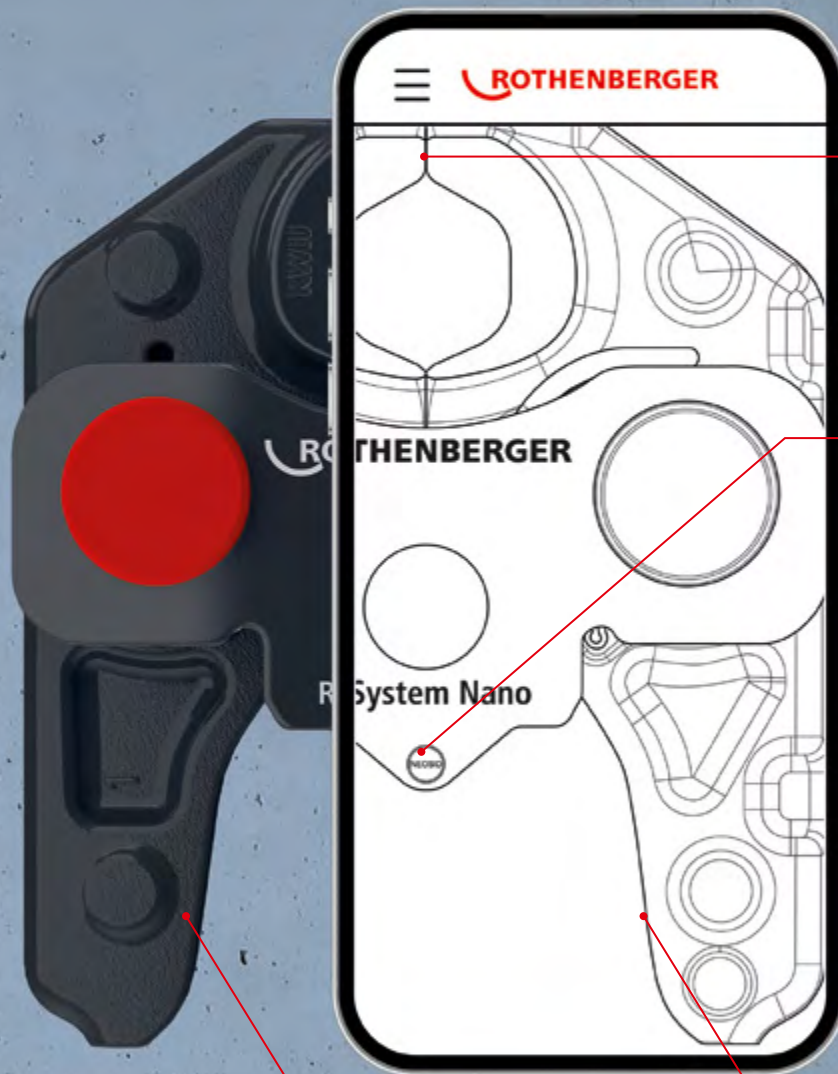


| Model                    | Press jaws Ø   | Weight   | PU | No.        |
|--------------------------|----------------|----------|----|------------|
| Press jaw compact SV     | 35 mm          | 2.225 kg | 1  | 1000002266 |
| Press jaw compact TH     | 40 mm          | 2.225 kg | 1  | 015401X    |
| 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 pressing 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 |

| Model       | Press jaws Ø | Weight   | PU | No.        |
|-------------|--------------|----------|----|------------|
| ijAW U      | 16 mm        | 1.075 kg | 1  | 1000050238 |
| ijAW U      | 20 mm        | 1.085 kg | 1  | 1000050240 |
| ijAW U      | 25 mm        | 1.325 kg | 1  | 1000050241 |
| ijAW U      | 32 mm        | 1.785 kg | 1  | 1000050242 |
| 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  | 1000004938 |

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!



Fig. interchangeable inserts set

| Model                                                | Inserts Ø      | Weight   | PU | No.        |
|------------------------------------------------------|----------------|----------|----|------------|
| Interchangeable inserts compact set RFz <sup>1</sup> | 16–20–25–32 mm | 1.110 kg | 1  | 14849      |
| Interchangeable inserts compact set U <sup>1</sup>   | 16–20–25–32 mm | 1.350 kg | 1  | 14869      |
| Interchangeable inserts compact set TH <sup>1</sup>  | 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).



### DURA LAZR TEC

100% more press cycles thanks to laser hardening<sup>1)</sup>

### 3-bolt synchronised mechanism

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

### Batch numbering and individual testing

Secures the high-quality standard of material and press contour

### Precision-manufactured contours

For optimum and reliable pressings

### Made of forged, highly resilient special steel

Suitable for all press machines with a constant axial thrust of 32–34 kN and compatible press jaw fixture

### Permanent bolt

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

### Long-term corrosion protection

Optimum for heavy-duty field operation

### Optimum for heavy-duty field operation

Adapted power flow and less wear and tear



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.

DURA LAZR TEC

100% more press cycles thanks to laser hardening<sup>1)</sup>

3-bolt synchronised mechanism

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

3-elemental system

Easy handling / assembling and optimized power distribution

Precision-manufactured contours

For optimum and reliable pressings

Made of forged, highly resilient special steel

Suitable for all press machines with a constant axial thrust of 32–34 kN and compatible press jaw fixture

Permanent bolt

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

Long-term corrosion protection

Optimum for heavy-duty field operation

Optimum for heavy-duty field operation

Adapted power flow and less wear and tear

Wide jaw mouth for easy assembling of the jaw on the fitting



| Model                                | Press jaws Ø | Weight    | PU | No.        |
|--------------------------------------|--------------|-----------|----|------------|
| Press jaw standard M 3-elemental     | 42 mm        | 4.800 kg  | 1  | 1000001273 |
| Press jaw standard M 3-elemental     | 54 mm        | 4.860 kg  | 1  | 1000001274 |
| Press jaw standard TH 3-elemental    | 50 mm        | 4.800 kg  | 1  | 1000001810 |
| Press jaw standard TH 3-elemental    | 63 mm        | 4.795 kg  | 1  | 1000001811 |
| Press jaw standard set M 3-elemental | 42–54 mm     | 12.000 kg | 1  | 1000001502 |

## Press chains standard

For ROMAX 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<sup>1</sup>

### 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

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



Fig. press chain SV54



Fig. Actuator jaw S1

### Precision-manufactured contours

For optimum and reliable pressings

### Clamping technology

Self-clamping press chain

### 3 segments

For an optimum force distribution on the fitting and two flexible elements for an optimal material flow on the fitting

### Low weight

Comfortable operation even over long periods of work

### Made of forged, highly resilient special steel

Suitable for all press machines with a constant, axial force of 32–34 kN and compatible press jaw fixture

### 3-bolt synchronised mechanism

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



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

| 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<br>Use only in combination with interchangeable jaws (No. 1000002134) |  Press jaws standard |  Press chains standard<br>Only to be used with actuator jaw S1 (No. 1000001126) for SV, M, Ø 42–54 mm |
|-------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b>                                                                            | <b>Metal / NE-Metal</b> |                                                                                                      |                                                                                                    |                                                                                                                                                                                         |                                                                                                         |                                                                                                                                                                                          |
|    | A1/2"                   |                                                                                                      |                                                                                                    |                                                                                                                                                                                         | 015222X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | A3/4"                   |                                                                                                      |                                                                                                    |                                                                                                                                                                                         | 015223X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | A1"                     |                                                                                                      |                                                                                                    |                                                                                                                                                                                         | 015224X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | A11/4"                  |                                                                                                      |                                                                                                    |                                                                                                                                                                                         | 015225X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | A11/2"                  |                                                                                                      |                                                                                                    |                                                                                                                                                                                         | 015226X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | A2"                     |                                                                                                      |                                                                                                    |                                                                                                                                                                                         | 015227X                                                                                                 |                                                                                                                                                                                          |
| <b>M</b>                                                                            | M12                     | 015151X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015101X                                                                                                 |                                                                                                                                                                                          |
|    | M15                     | 015152X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015102X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | M18                     | 015153X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015103X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | M22                     | 015154X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015104X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | M28                     | 015155X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015105X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | M35                     | 1000002267                                                                                           |                                                                                                    |                                                                                                                                                                                         | 015106X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | M42                     |                                                                                                      |                                                                                                    |                                                                                                                                                                                         | 1000001273                                                                                              | 1000001391                                                                                                                                                                               |
| <b>V / SV</b>                                                                       | M54                     |                                                                                                      |                                                                                                    |                                                                                                                                                                                         | 1000001274                                                                                              | 1000001392                                                                                                                                                                               |
|                                                                                     | 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                                                                                                                                                                               |
| <b>R(H)</b>                                                                         | <b>PEX / Multilayer</b> |                                                                                                      |                                                                                                    |                                                                                                                                                                                         |                                                                                                         |                                                                                                                                                                                          |
|  | 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                                                                                                 |                                                                                                                                                                                          |
| <b>Rfz</b>                                                                          | Rfz12                   |                                                                                                      |                                                                                                    | 14822                                                                                                                                                                                   | 1000000173                                                                                              |                                                                                                                                                                                          |
|  | Rfz16                   | 015180X                                                                                              |                                                                                                    | 14823                                                                                                                                                                                   | 015161X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | Rfz18                   |                                                                                                      |                                                                                                    | 1000000124                                                                                                                                                                              |                                                                                                         |                                                                                                                                                                                          |
|                                                                                     | Rfz20                   | 015181X                                                                                              |                                                                                                    | 14824                                                                                                                                                                                   | 015162X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | Rfz25                   | 015182X                                                                                              |                                                                                                    | 14825                                                                                                                                                                                   | 015163X                                                                                                 |                                                                                                                                                                                          |
|                                                                                     | Rfz26                   |                                                                                                      |                                                                                                    | 1000000125                                                                                                                                                                              |                                                                                                         |                                                                                                                                                                                          |
|                                                                                     | Rfz32                   | 015183X                                                                                              |                                                                                                    | 14826                                                                                                                                                                                   | 015164X                                                                                                 |                                                                                                                                                                                          |
| <b>TH</b>                                                                           | 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                                                                                              |                                                                                                                                                                                          |
| <b>THG</b>                                                                          | THG32                   | 1000000236                                                                                           |                                                                                                    |                                                                                                                                                                                         | 1000000235                                                                                              |                                                                                                                                                                                          |
| <b>THT</b>                                                                          | THT32                   | 1000004620                                                                                           |                                                                                                    |                                                                                                                                                                                         | 015329X                                                                                                 |                                                                                                                                                                                          |

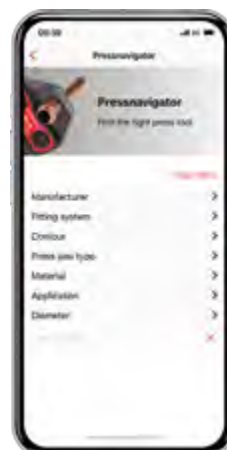
| System                                                                              | Nominal size            |  Press jaws compact |  Press jaws iJAWS |  Interchangeable insert compact<br>Use only in combination with interchangeable jaws (No. 1000002134) |  Press jaws standard |  Press chains standard<br>Only to be used with actuator jaw ZB S1 (No. 1000001126) for SV, M, TH Ø40, 42, 50, 63 mm |
|-------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>U</b>                                                                            | <b>PEX / Multilayer</b> |                                                                                                      |                                                                                                    |                                                                                                                                                                                         |                                                                                                         |                                                                                                                                                                                                        |
|    | 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                    |                                                                                                      |                                                                                                    |                                                                                                                                                                                         |                                                                                                         |                                                                                                                                                                                                        |
| <b>RC</b>                                                                           | RC26                    | 015277X                                                                                              |                                                                                                    | 14837                                                                                                                                                                                   | 015271X                                                                                                 |                                                                                                                                                                                                        |
| <b>VP</b>                                                                           | VP14                    | 015530X                                                                                              |                                                                                                    | 14882                                                                                                                                                                                   | 015230X                                                                                                 |                                                                                                                                                                                                        |
|    | VP16                    | 015531X                                                                                              |                                                                                                    | 14883                                                                                                                                                                                   | 015231X                                                                                                 |                                                                                                                                                                                                        |
|                                                                                     | VP20                    | 015532X                                                                                              |                                                                                                    | 14884                                                                                                                                                                                   | 015232X                                                                                                 |                                                                                                                                                                                                        |
|                                                                                     | VP25                    | 015533X                                                                                              |                                                                                                    | 14885                                                                                                                                                                                   | 015233X                                                                                                 |                                                                                                                                                                                                        |
|                                                                                     | VP32                    | 015534X                                                                                              |                                                                                                    | 14886                                                                                                                                                                                   | 015234X                                                                                                 |                                                                                                                                                                                                        |
| <b>BE</b>                                                                           | BE16                    | 015291X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015392X                                                                                                 |                                                                                                                                                                                                        |
|  | BE20                    | 015292X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015394X                                                                                                 |                                                                                                                                                                                                        |
|                                                                                     | BE26                    | 015293X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015396X                                                                                                 |                                                                                                                                                                                                        |
|                                                                                     | BE32                    | 015294X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015397X                                                                                                 |                                                                                                                                                                                                        |
| <b>CO</b>                                                                           | CO12                    |                                                                                                      |                                                                                                    | 14852                                                                                                                                                                                   |                                                                                                         |                                                                                                                                                                                                        |
|  | CO16                    |                                                                                                      |                                                                                                    | 14853                                                                                                                                                                                   |                                                                                                         |                                                                                                                                                                                                        |
|                                                                                     | CO20                    |                                                                                                      |                                                                                                    | 14854                                                                                                                                                                                   |                                                                                                         |                                                                                                                                                                                                        |
|                                                                                     | CO25                    |                                                                                                      |                                                                                                    | 14855                                                                                                                                                                                   |                                                                                                         |                                                                                                                                                                                                        |
| <b>G</b>                                                                            | G16                     | 015362X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015302X                                                                                                 |                                                                                                                                                                                                        |
|  | G20                     | 015364X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015304X                                                                                                 |                                                                                                                                                                                                        |
|                                                                                     | G26                     | 015366X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015306X                                                                                                 |                                                                                                                                                                                                        |
|                                                                                     | G32                     | 015367X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015307X                                                                                                 |                                                                                                                                                                                                        |
|                                                                                     | G40                     | 015368X                                                                                              |                                                                                                    |                                                                                                                                                                                         | 015308X                                                                                                 |                                                                                                                                                                                                        |
| <b>HA</b>                                                                           | 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 compatibility 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 Multiplex                                    |            |            |            |            |             |            |
| 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 Galvanized                              |            |            |            |        |             |            |
| 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 Cimpres                                                    |            |            |            |        |             |            |
| 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     | –      | –           | –          |

| 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      |



| 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 <sup>1</sup>                       | 15379X  | –          | 15334X   | –      | –           | –          |
| R20                                    | 15374X  | –          | 15335X   | –      | –           | 14868      |
| R25 <sup>1</sup>                       | 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)

Status: Q4 2024

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

**MEGARÖ, 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      |

## 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 ROTH-A-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   | –      | –           | –          |

|                                                    |                |             |                 |               |                    |                   |
|----------------------------------------------------|----------------|-------------|-----------------|---------------|--------------------|-------------------|
| SV42                                               | –              | –           | 15217X          | –             | –                  | –                 |
| SV54                                               | –              | –           | 15218X          | –             | –                  | –                 |
| <b>Simplex SiRoCon Cu / E</b>                      |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                     | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| M12                                                | 15151X         | –           | 15101X          | –             | –                  | –                 |
| M15                                                | 15152X         | –           | 15102X          | –             | –                  | –                 |
| M18                                                | 15153X         | –           | 15103X          | –             | –                  | –                 |
| M22                                                | 15154X         | –           | 15104X          | –             | –                  | –                 |
| M28                                                | 15155X         | –           | 15105X          | –             | –                  | –                 |
| M35                                                | 100002267      | –           | 15106X          | –             | –                  | –                 |
| <b>Simplex SiRoCon PPSU H</b>                      |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                     | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| R16                                                | 15371X         | –           | 15331X          | –             | –                  | 14865             |
| R20                                                | 15374X         | –           | 15335X          | –             | –                  | 14868             |
| R26                                                | 15376X         | –           | 15336X          | –             | –                  | 14708             |
| R32                                                | 15377X         | –           | 15337X          | –             | –                  | 14709             |
| <b>Simplex SiRoCon PPSU TH</b>                     |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                     | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| TH16                                               | 15285X         | –           | 15322X          | –             | –                  | 14843             |
| TH20                                               | 15389X         | 1000050247  | 15324X          | –             | –                  | 14845             |
| TH26                                               | 15391X         | 1000050249  | 15326X          | –             | –                  | 14847             |
| TH32                                               | 15393X         | 1000050250  | 15327X          | –             | –                  | 14848             |
| <b>SST-Rolltec Delphi-Press, STS Systemtechnik</b> |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                     | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |
| <b>T</b>                                           |                |             |                 |               |                    |                   |
| <b>THERMOVAL, THERMOSMART</b>                      |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                     | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |
| <b>Tiemme, Cobrapress</b>                          |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                     | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |
| <b>Tradesa Serie 700</b>                           |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                     | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| TH16                                               | 15385X         | 1000050245  | 15322X          | –             | –                  | 14843             |
| TH18                                               | 15398X         | –           | 15323X          | –             | –                  | 14844             |
| TH20                                               | 15389X         | 1000050247  | 15324X          | –             | –                  | 14845             |
| TH25                                               | 15399X         | –           | 15325X          | –             | –                  | 14846             |
| TH32                                               | 15393X         | 1000050250  | 15327X          | –             | –                  | 14848             |
| <b>U</b>                                           |                |             |                 |               |                    |                   |
| <b>Ulrich VARIOFLEX HAKA-PRESS</b>                 |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                     | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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             |

|                                                            |                |             |                 |               |                    |                   |
|------------------------------------------------------------|----------------|-------------|-----------------|---------------|--------------------|-------------------|
| <b>UPONOR UNIPIPE, UNI-CORE, Airpipe</b>                   |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                             | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |
| <b>UPONOR S-Press PLUS / S-Press PLUS (PPSU)</b>           |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                             | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| U16                                                        | 15352X         | 1000050238  | 15312X          | –             | 1000003937         | 14833             |
| U20                                                        | 15354X         | 1000050240  | 15314X          | –             | 1000003939         | 14835             |
| U25                                                        | 15355X         | 1000050241  | 15315X          | –             | 1000003940         | 14836             |
| U32                                                        | 15357X         | 1000050242  | 15317X          | –             | 1000003941         | 14838             |
| <b>V</b>                                                   |                |             |                 |               |                    |                   |
| <b>Valsir PEXAL</b>                                        |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                             | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |
| <b>Vescal, Metalplast</b>                                  |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                             | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |
| <b>Viega Profipress GAS</b>                                |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                             | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| (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    | –                  | –                 |
| <b>Viega Profipress, Prestabo, Sanpress, Sanpress INOX</b> |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                             | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| (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    | –                  | –                 |
| <b>Viega Sanfix FOSTA, P, PLUS</b>                         |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                             | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| VP14                                                       | 15530X         | –           | 15230X          | –             | –                  | 14882             |
| VP16                                                       | 15531X         | –           | 15231X          | –             | –                  | 14883             |
| VP20                                                       | 15532X         | –           | 15232X          | –             | –                  | 14884             |
| VP25                                                       | 15533X         | –           | 15233X          | –             | –                  | 14885             |
| VP32                                                       | 15534X         | –           | 15234X          | –             | –                  | 14886             |
| <b>Viessmann</b>                                           |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                             | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |
| <b>VSH X-Press Copper / Carbon Steel / Stainless</b>   |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                         | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| M12                                                    | 15151X         | –           | 15101X          | –             | –                  | –                 |
| M15                                                    | 15152X         | –           | 15102X          | –             | –                  | –                 |
| M18                                                    | 15153X         | –           | 15103X          | –             | –                  | –                 |
| M22                                                    | 15154X         | –           | 15104X          | –             | –                  | –                 |
| M28                                                    | 15155X         | –           | 15105X          | –             | –                  | –                 |
| M35                                                    | 1000002267     | –           | 15106X          | –             | –                  | –                 |
| M42                                                    | –              | –           | 1000001273      | –             | –                  | –                 |
| M54                                                    | –              | –           | 1000001274      | 1000001392    | –                  | –                 |
| <b>VSH SudoPress Copper / Carbon Steel / Stainless</b> |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                         | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| (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          | –             | –                  | –                 |
| <b>VSH Skin Press</b>                                  |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                         | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |
| <b>VSH Skin Press PPSU, Skin Press Gas</b>             |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                         | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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             |
| <b>W</b>                                               |                |             |                 |               |                    |                   |
| <b>Watts MTR Art press</b>                             |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                         | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| TH16                                                   | 15385X         | 1000050245  | 15322X          | –             | –                  | 14843             |
| TH20                                                   | 15389X         | 1000050247  | 15324X          | –             | –                  | 14845             |
| TH26                                                   | 15391X         | 1000050249  | 15326X          | –             | –                  | 14847             |
| TH32                                                   | 15393X         | 1000050250  | 15327X          | –             | –                  | 14848             |
| <b>Wavin Aquatecnic Tigris</b>                         |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                         | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| U16                                                    | 15352X         | 1000050238  | 15312X          | –             | –                  | 14833             |
| U20                                                    | 15354X         | 1000050240  | 15314X          | –             | –                  | 14835             |
| U25                                                    | 15355X         | 1000050241  | 15315X          | –             | –                  | 14836             |
| U32                                                    | 15357X         | 1000050242  | 15317X          | –             | –                  | 14838             |
| <b>Wavin FUTURE 1/2, TIGRIS Alupex / Blue</b>          |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                         | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| U16                                                    | 15352X         | 1000050238  | 15312X          | –             | –                  | 14833             |
| U18                                                    | 15353X         | –           | 15313X          | –             | –                  | 14834             |
| U20                                                    | 15354X         | 1000050240  | 15314X          | –             | –                  | 14835             |
| U25                                                    | 15355X         | 1000050241  | 15315X          | –             | –                  | 14836             |
| U32                                                    | 15357X         | 1000050242  | 15317X          | –             | –                  | 14838             |
| <b>WEFA PLASTIC, WEFA PRESS</b>                        |                |             |                 |               |                    |                   |
| <b>PROFILE</b>                                         | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| R16                                                    | 15371X         | –           | 15331X          | –             | –                  | 14865             |
| R20                                                    | 15374X         | –           | 15335X          | –             | –                  | 14868             |
| R26                                                    | 15376X         | –           | 15336X          | –             | –                  | 14708             |
| R32                                                    | 15377X         | –           | 15337X          | –             | –                  | 14709             |

|                  |                |             |                 |               |                    |                   |
|------------------|----------------|-------------|-----------------|---------------|--------------------|-------------------|
| <b>Winkler</b>   |                |             |                 |               |                    |                   |
| <b>PROFILE</b>   | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |
| <b>WKS-Press</b> |                |             |                 |               |                    |                   |
| <b>PROFILE</b>   | <b>COMPACT</b> | <b>iJAW</b> | <b>STANDARD</b> | <b>SLINGS</b> | <b>PRESS RINGS</b> | <b>IC-INSERTS</b> |
| 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          | –             | –                  | –                 |

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



5









## Threading and grooving

|                        |                |
|------------------------|----------------|
| <b>System overview</b> | <b>154–155</b> |
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| Roll grooving          | 174–175        |



### 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.          |
| <b>Page</b>         | <b>156</b>       | <b>158</b>      |

### 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           |
| <b>Page</b>         | <b>160</b>        | <b>162</b>        | <b>164</b>        |

## 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           |
| <b>Page</b>              | <b>168</b>        | <b>170</b>        | <b>170</b>        | <b>170</b>        |

## 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    |
| <b>Page</b>               | <b>174</b>                      | <b>174</b>                   | <b>175</b>  |

### 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

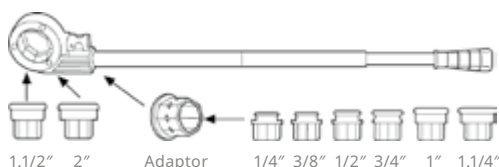
Extremely long service life

SUPER CUT when working at the building site



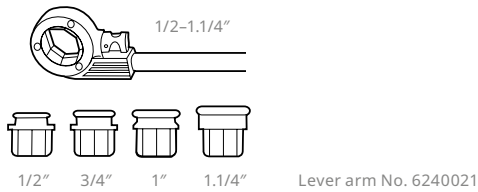
With ratchet handle 1/4"-2" the attachment of the 1/4"-1.1/4" die head results with the use of the adaptor (No. 600011500)

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)

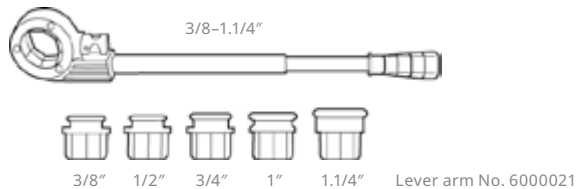


| Model                    | Weight   | PU | No.     |
|--------------------------|----------|----|---------|
| BSPT R, 1/2-3/4-1"       | 4.200 kg | 1  | 070780X |
| BSPT R, 1/2-3/4-1-1.1/4" | 5.100 kg | 1  | 070781X |

| Model                 | Weight   | PU | No.                  |
|-----------------------|----------|----|----------------------|
| NPT, 1/2-3/4-1"       | 4.800 kg | 1  | 070903X <sup>1</sup> |
| NPT, 1/2-3/4-1-1.1/4" | 5.450 kg | 1  | 070901X <sup>1</sup> |

**SUPER CUT sets 3/8-1.1/4"**

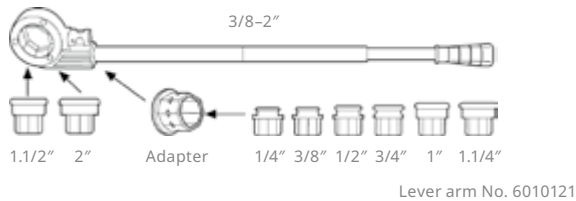
With ratchet handle (small octagonal drive, No. 070840X) and die heads in ROCASE 4414 (No. 1300003541)



| Model                        | Weight   | PU | No.     |
|------------------------------|----------|----|---------|
| BSPT R, 3/8-1/2-3/4-1-1.1/4" | 6.200 kg | 1  | 070790X |

**SUPER CUT sets 3/8-2"**

With ratchet handle (large octagonal drive, No. 71272), die head adaptor (No. 71273) and die heads in ROCASE 4414 (No. 1300003541)



| 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 |

| Accessories                  | Page |
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| Dies 1/4-2"                  | 166  |
| Cutting fluid                | 167  |
| Pipe roughing wrench         | 173  |
| 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"

Application Benefits

- Light and easy to use, always within reach
- Secure guiding of the cutter wheel on the pipe
- Reliable grip with the s-shaped jaw
- Firm grip even with heavy-duty use
- Long service life
- Precise thread cutting to approved standards
- Perfect alignment

The ideal installation set!



SANI KIT when working at the building site with RONOL



Steel pipe cutter Super 1.1/4"

Wide rollers

Secure guiding of the cutter wheel on the pipe

Corner pipe wrench Super S

Slim, s-shaped jaw

Firm grip



SUPER CUT ratchet threader

With SUPER CUT ratchet handle 1.1/4"

Perfect alignment

Small outer octagon, BSPT R 1/2-3/4-1"

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

#### Fits all ROTHENBERGER manual and power threaders

Simple insertion and removal of the die heads

#### Secure hold

Positive octagonal universal drive with retainer locking

#### Long lever

Optimum force transfer

#### Offset lever

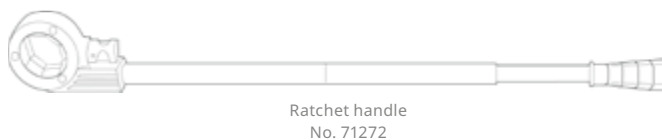
Easy operation in hard-to-reach places



#### Quick adjustment

Convenient, lockable reversal of the ratchet direction

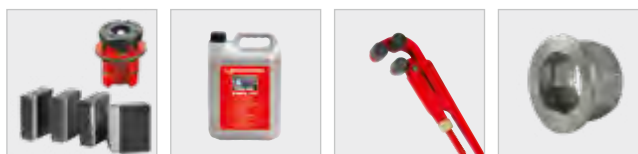
| Model                                          | Weight   | PU | No.     |
|------------------------------------------------|----------|----|---------|
| Ratchet arm for SUPER CUT 1/4–1.1/4", 2 pieces | 1.700 kg | 1  | 070840X |



#### Accessories

#### Page

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| Ratchet pipe deburrer 1/4–2" | 173 |



**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/s <sup>2</sup> |
| Thread type             | BSPT R, NPT           |



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



Small head shape (11 cm)



Pipe roughing





**SUPERTRONIC 1250 sets****Small—Fast—Light**

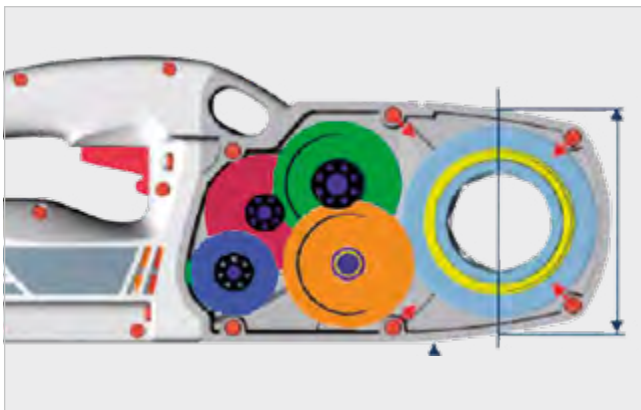
**Set includes:** SUPERTRONIC 1250 up to Ø 1.1/4" with forged pipe clamp (No. 865008700), precision die heads complete in plastic carrying case (No. 995858100)



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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| Ratchet pipe deburrer 1/4–2" | 173  |





**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              |

**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 of up to 20% for person and machine

**Easy switching from forward to an even faster reverse**

For working more efficiently

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

Easy insertion of the die head with tension locking ring



Compatible with with rolling groover ROGROOVER 1–6"



Work in confined spaces



## 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)

Fig. Hand roll groover 1-12\"/>

| 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 |

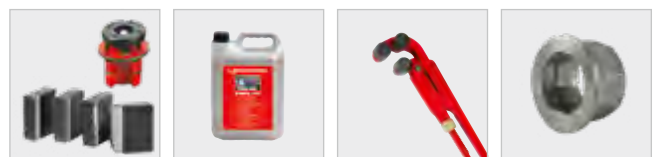


## Batteries and charger

| AMPSHare                        | Weight   | PU | No.        | CAS                           | Weight   | PU | No.        |
|---------------------------------|----------|----|------------|-------------------------------|----------|----|------------|
| RO BP18/2, 2.0 Ah 18 V          | 0.400 kg | 1  | 1000003859 | RO BP18/2, 2.0 Ah 18 V        | 0.420 kg | 1  | 1000001652 |
| RO BP18/4, 4.0 Ah 18 V          | 0.600 kg | 1  | 1000003860 | RO BP18/4, 4.0 Ah 18 V        | 0.575 kg | 1  | 1000001653 |
| RO BP18/4, 4.0 Ah 18 V, ProCORE | 0.520 kg | 1  | 1000003863 | RO BP18/4, 4.0 Ah 18 V, Li-HD | 0.515 kg | 1  | 1000002548 |
| RO BP18/8, 8.0 Ah 18 V, ProCORE | 0.960 kg | 1  | 1000003864 | RO BP18/8, 8.0 Ah 18 V, Li-HD | 0.915 kg | 1  | 1000002549 |
| RO BC18 charger, 230 V          | 0.550 kg | 1  | 1000003858 | RO BC14/36 charger, 230 V     | 0.580 kg | 1  | 1000001654 |

## Accessories

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| Dies 1/4-2"                  | 166  |
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| Ratchet pipe deburrer 1/4-2" | 173  |



### 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

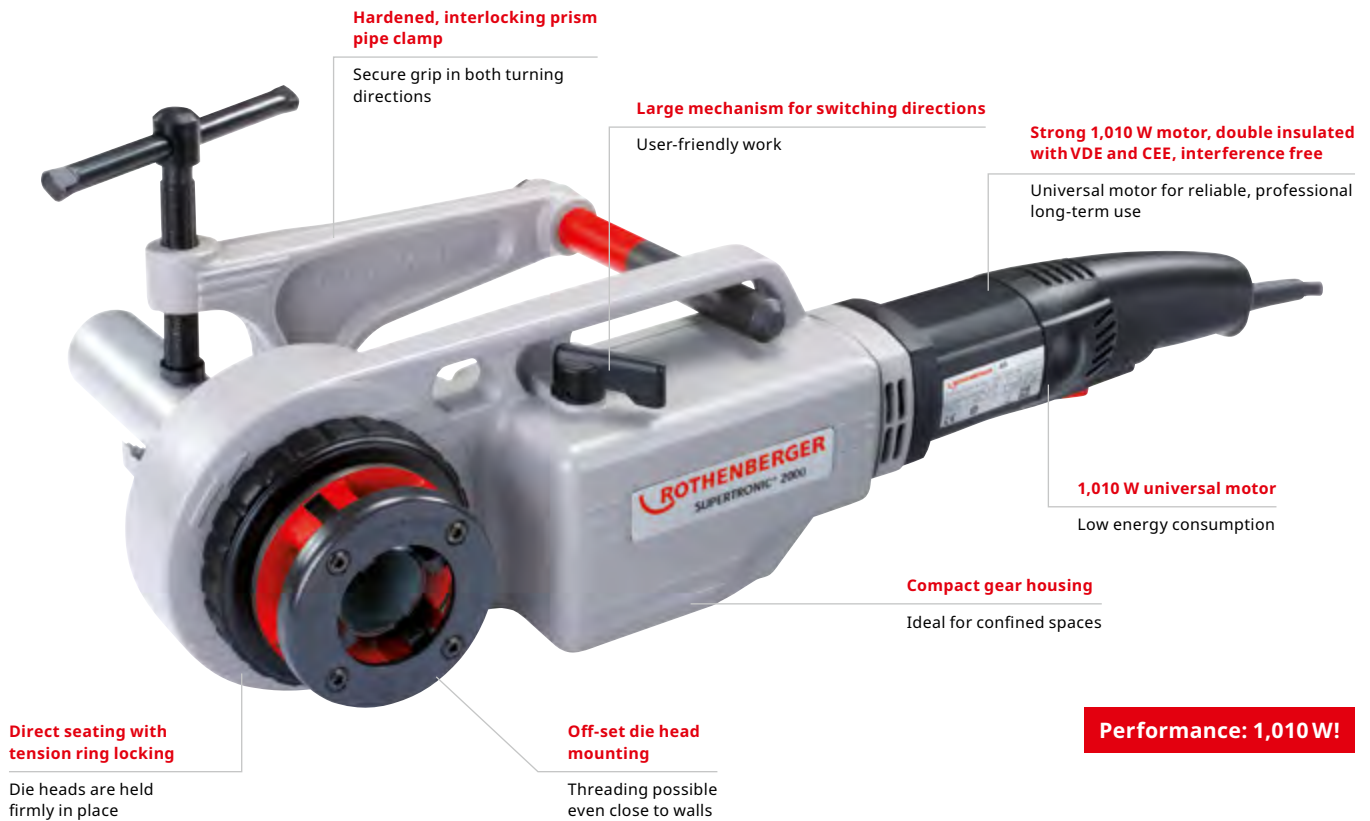
- Secure grip in both turning directions with the hardened, interlocking prism pipe clamp
- Die heads are held firmly in place through direct seating with tension ring locking
- Off-set die head mounting allows for threading even close to walls
- Ideal for confined spaces (corners and shafts)
- User-friendly 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/s <sup>2</sup> |
| Thread type             | BSPT R, NPT           |



6



Easy insertion of the die heads



Use with roll grooving tool ROGROOVER



ROFIX adaptor (No. 71271)



High reduction gears



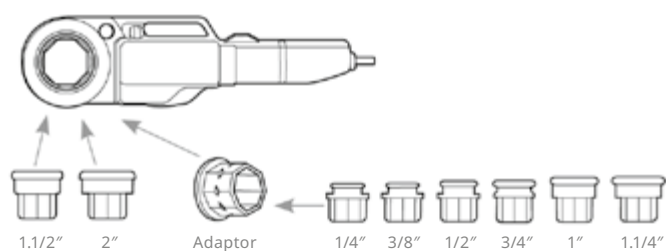


## SUPERTRONIC 2000 sets

Set includes: SUPERTRONIC 2000 with pipe clamp (No. 71280), ROFIX adaptor (No. 71271), and precision die heads, ROCASE 6414 (No. 1000001953) with inlay



Pipe clamp



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

RO  
CASE



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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| Dies 1/4-2"                  | 166  |
| Cutting fluid                | 167  |
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| Ratchet pipe deburrer 1/4-2" | 173  |





### 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



### Application Benefits

- Threading die heads with optimized geometry to reduce the effort by up to 10 % for person and machine
- Reduced manufacturing tolerance for quicker performance
- Interchangeable threading dies to increase economic efficiency
- Quick change threading die heads with secure holding for SUPERCUT, SUPERTRONIC 1250 and 2000s models

#### Extra wide and exchangeable threading dies

Highest demands and long service life

#### Forcelocked octagonal universal drive with snap ring locking

Easy and tool-free assembly with secure hold



| Model                             | Weight   | PU | No.     |
|-----------------------------------|----------|----|---------|
| Threading die head 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



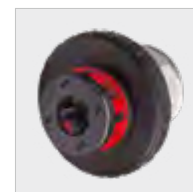
| Model       | Weight   | PU | No.     |
|-------------|----------|----|---------|
| NPT, 1/4"   | 0.160 kg | 1  | 070916X |
| NPT, 3/8"   | 0.060 kg | 1  | 070917X |
| NPT, 1/2"   | 0.070 kg | 1  | 070918X |
| NPT, 3/4"   | 0.070 kg | 1  | 070919X |
| NPT, 1"     | 0.140 kg | 1  | 070920X |
| NPT, 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

**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

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



| 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<sup>1</sup> threading dies can optionally be used!**



#### Technical Data

|                         |                      |
|-------------------------|----------------------|
| Working area            | Ø 1/4–2"             |
| Sound pressure level    | 85 dB                |
| Sound power level (LwA) | 96 dB                |
| Power consumption       | 1,150 W              |
| Rapid reverse speed     | 38 rpm               |
| Vibration               | 2.5 m/s <sup>2</sup> |
| Thread type             | BSPP, BSPT R, 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

**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

**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

**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

**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

**Accessories****Page**

Cutting fluid

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Automatic die heads

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Threading dies

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NIPPLE MAX

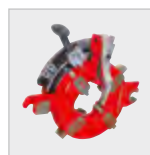
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Pipe roughing wrench

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ROGROOVER 1–6"

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### SUPERTRONIC 2 SE / 3 SE / 4 SE

#### Compact threader Ø 1/4–4"

Reliable and proven for constant professional use

- Ideal 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"**



#### 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 propulsion 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)

**SUPERTRONIC 2 SE****Compact threader Ø 1/2-2"**

Standard die head: 1/2-2" (No. 56156)  
Automatic die head: 1/2-2" (No. 56266)

Set includes: SUPERTRONIC 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)

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



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 |

## 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

|  |            |       |  |              |                                             | ROPOWER 50 R | SUPERTRONIC 2 SE | SUPERTRONIC 3 SE | SUPERTRONIC 4 SE |
|-----------------------------------------------------------------------------------|------------|-------|-------------------------------------------------------------------------------------|--------------|---------------------------------------------|--------------|------------------|------------------|------------------|
| Die heads                                                                         |            |       | Threading dies                                                                      |              |                                             |              |                  |                  |                  |
| Thread type                                                                       | Size       | No.   | Size                                                                                | No. SS-steel | No. HSS-steel for stainl. steel / INOX pipe |              |                  |                  |                  |
| Automatic die heads suitable for RIDGID <sup>1</sup> 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                                         | •            | •                | •                | •                |
| BSPP                                                                              |            |       | 1-2"                                                                                | 56374        | N/A                                         | •            | •                | •                | •                |
|                                                                                   | 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                                       |              |                  | •                | •                |
| NPT                                                                               | 3.1/2-4"   | 56032 | 3.1/2-4"                                                                            | 56008        | N/A                                         |              |                  |                  | •                |
|                                                                                   | 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"                                                                            | N/A          | 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**

## Pipe supporting column

**Adjustable height, from 780 up to 1,200 mm with ball track. Maximum carrying capacity 120 kg**

Pipe supporting column for all working steps during pipe processing. Pipes from R 1/2–6" can be easily and safely brought into the required working position



| Model                     | Weight   | PU | No.   |
|---------------------------|----------|----|-------|
| Pipe supporting column 6" | 5.800 kg | 1  | 56047 |

## Pipe roughing wrench

**Wrench made of forged steel, with hardened rolls. Consistent, thread-saving roughing of the entire area**

For roughing of cylindrical or conical threads up to 2"



| Model                         | Weight   | PU | No.   |
|-------------------------------|----------|----|-------|
| Pipe roughing wrench 3/8–2"   | 1.150 kg | 1  | 56500 |
| Spare roughing rolls 3 pieces | 0.300 kg | 1  | 56501 |

## 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



## Safety foot switch

**For all ROTHENBERGER threading machines**

For use on ROPOWER 50 R and SUPERTRONIC 2–4 SE threading machines. Safety switch controllable via foot pedal. Quick release of the switch by pressing the pedal. Easy unlocking of EMERGENCY STOP by separate switch



| Model                                                | Weight   | PU | No.   |
|------------------------------------------------------|----------|----|-------|
| Safety foot switch 3 step with emergency stop switch | 2.500 kg | 1  | 56335 |

## Internal deburrer with ratchet

**Quick and clean deburring For steel pipes, with 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 |



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"

#### 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 adjustment

#### Technical Data

|              |         |
|--------------|---------|
| Working area | Ø 1-12" |
| Drive        | Hand    |

Application on tripod workbench



Fixture for stabiliser



Can also be used in combination with the SUPERTRONIC 2000 E



| 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

#### 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



Compatible with SUPERTRONIC 2000 and SUPERTRONIC 2000 E



| Model                                      | Weight    | PU | No.   |
|--------------------------------------------|-----------|----|-------|
| for REX 4"                                 | 14.500 kg | 1  | 56508 |
| for RIDGID <sup>1</sup> 300                | 16.000 kg | 1  | 56504 |
| for ROPOWER 50 R, SUPERTRONIC 2 SE, REX 2" | 14.500 kg | 1  | 56505 |
| 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 |

**ROGROOVER 1-12"**

**Electro-hydraulic rolling groover for steel pipes Ø 1-12" (33-324 mm) for rolling grooves**

Suitable for installations, sprinkler systems, larger heading units, industrial use and mining

**Application Benefits**

- Pressure rollers toolless adjustable due to revolver-button
- Safe working with foot switch and emergency stop switch, as well as lighting in workplace
- Reliable, powerful 1,500W 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               |

**Control panel**

Power supply, light and EMERGENCY STOP

**Circumferential steel frame**

Protective bracket and carrying frame

**Function with foot switch**

Safety for users

**Fine adjustment of the groove depth and regulation**

For optimal results

**Turret head with integrated pressure rollers**

Simple, fast and tool-free

**Adjustable pipe support stand**

Ball bearing blocks for easy handling

Set includes: ROGROOVER machine 1-12", pipe support stand, drive shaft, 1-1.1/2", 2-6" and 8-12" (No. 1500001709-1711), diameter measuring 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 |







## Soldering and welding

### System overview 178–179

|                                   |                  |
|-----------------------------------|------------------|
| Cartridge brazing                 | 180–184, 186–187 |
| Cartridge soft soldering          | 184–185, 186     |
| Cylinder brazing                  | 188–189          |
| Cylinder soft soldering           | 190–191          |
| Electric soft soldering           | 192–193          |
| Gas-welding                       | 194–197          |
| Three-gas welding                 | 198–199          |
| Accessories soldering and welding | 200–209          |



## Cartridge brazing

|                     | SUPER FIRE 3                                                                      | SUPER FIRE 4                                                                      | ROFIRE GLOBAL                                                                     | ROFIRE Swivel<br>PRO Cyclone Piezo                                                              | ROFIRE Swivel<br>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,<br>removal of paint                                                    | Shrinking,<br>removal of paint                                                    | ○                                                                                 | ○                                                                                               | ○                                                                                               |
| For use with        | MAPP <sup>1</sup> gas,<br>Maxigas 400,<br>Multigas 300                            | MAPP <sup>1</sup> gas,<br>Maxigas 400,<br>Multigas 300                            | MAPP <sup>1</sup> gas,<br>Maxigas 400,<br>Multigas 300                            | MAPP <sup>1</sup> gas <sup>2</sup> ,<br>Maxigas 400 <sup>2</sup> ,<br>Multigas 300 <sup>2</sup> | MAPP <sup>1</sup> gas <sup>2</sup> ,<br>Maxigas 400 <sup>2</sup> ,<br>Multigas 300 <sup>2</sup> |
| Page                | 180                                                                               | 182                                                                               | 184                                                                               | 184                                                                                             | 184                                                                                             |

## Cartridge soft soldering

## Roofing

## ROFLAME 4 PIEZO

## ROFIRE 4 / ROFIRE 4 PIEZO

## ROOFING Set

|                     |                                                                                     |                                                                                      |                                                                                       |
|---------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                     |  |  |  |
| Soft soldering      | up to Ø 22 mm                                                                       | up to Ø 22 mm                                                                        | ●                                                                                     |
| Brazing             | ○                                                                                   | up to Ø 15 mm                                                                        | ○                                                                                     |
| Special application | ○                                                                                   | ○                                                                                    | Bonding of bituminous sheeting                                                        |
| For use with        | Supergas C 200                                                                      | Multigas 300                                                                         | Propane, butane                                                                       |
| Page                | 184                                                                                 | 185                                                                                  | 190                                                                                   |

## Cartridges

MAPP<sup>1</sup> 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                                                                  |
| Page              | 186                                                                                 | 187                                                                                 | 187                                                                                   | 187                                                                                   |

### 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 <sup>1</sup> gas, oxygen                                                       | Maxigas 400, oxygen                                                                 |
| Page           | 198                                                                               | 194                                                                               | 195                                                                                | 196                                                                                 | 197                                                                                 |

### Cylinder brazing and soft soldering

|                     | AIRPROP                                                                             | TURBOPROP                                                                            | ROTherm 2000                                                                          |
|---------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                     |  |  |  |
| Soft soldering      | up to Ø 54 mm                                                                       | up to Ø 54 mm                                                                        | up to Ø 54 mm                                                                         |
| Brazing             | up to Ø 22 mm                                                                       | up to Ø 28 mm                                                                        | ○                                                                                     |
| Special application | ○                                                                                   | ○                                                                                    | Soft soldering without flame                                                          |
| For use with        | Propane, butane                                                                     | Propane, butane                                                                      | 230 V                                                                                 |
| Page                | 188                                                                                 | 189                                                                                  | 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 Ø28 mm as well as for other applications, e.g. dissolving paint or shrinking hoses

**Hard soldering:** up to Ø28 mm  
(with flame reflector in wind-protected environment)  
**Soft soldering:** up to Ø35 mm

Application Benefits

- Fast heating, less consumption!
- Long service life
- “Twist ‘n’ Load” system (5 different burners)—change burners with one handle
- Exact flame adjustment
- 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”

Fast “Twist ‘n’ Load” system

Exchange of the burners with one movement (5 different burners available)

Fine regulating valve

Precise flame adjustment



Ergonomically designed handle

Robust and optimum handling made of high-quality aluminium

Elaborately manufactured  
brass / stainless steel design  
Long service life

Burners with swirl flame

Rapid heat-up, less consumption!

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<sup>1</sup> gas

Up to 2.5 hours of brazing  
with one cartridge

Brazing in gas installation



High flame temperature based on  
cyclone swirl



Brazing in refrigeration /  
air-conditioning technology



**Pin-point burner (460 °C)**

For fine soldering; precise and stable flame



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 refrigeration / air-conditioning 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 x MAPP<sup>1</sup> gas A cartridges (No. 035521-A), ROCASE 4414 (No. 1000001945)

| Model                                                 | Weight   | PU | No.        |
|-------------------------------------------------------|----------|----|------------|
| SUPER FIRE 3 HOT BOX EU incl. MAPP <sup>1</sup> gas A | 4.270 kg | 1  | 1000002369 |
| SUPER FIRE 3 HOT BOX EU incl. MAPP <sup>1</sup> gas B | 4.165 kg | 1  | 1000002370 |
| SUPER FIRE 3 HOT BOX EU incl. MAPP <sup>1</sup> gas C | 4.165 kg | 1  | 1000002371 |

**SUPER FIRE 3**

Set (No. 35436) includes:  
handle (No. 35445), cyclone burner (No. 35457)

**When placing your order, remember to order the universal torch support (No. 35461) for stationary soldering, too!**

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



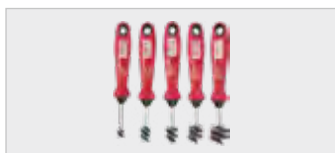
No. 035648X



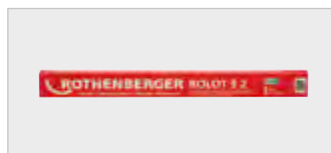
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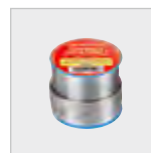
No. 31050



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 |

**"Twist 'n' Load"****Fast "Twist 'n' Load" system**

Exchange of the burner with one movement (5 different burner available)

**Optimized fine regulating valve**

Precise flame adjustment, faster opening and closing

**Ergonomically designed handle**

Robust, light and slipfree through rubberized surface

Elaborately manufactured brass / stainless steel design

Long service life

- ✓ Safe
- ✓ Fast
- ✓ Reliable

**Dual safety**

Only ignites if burner has been securely locked

**High-performance piezo**

Reliable (up to 30,000 ignitions)

**Locking button**

Continual use with only one hand



Brazing in refrigeration / air-conditioning technology



High flame temperature based on cyclone swirl



Brazing in refrigeration / air-conditioning technology



**Pin-point burner (460 °C)**

For fine soldering; precise and stable flame



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 air, powerful, 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 refrigeration / air-conditioning 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<sup>1</sup> gas A cartridges (No. 035521-A), ROCASE 4414 (No. 1000001945)

| Model                                                  | Weight   | PU | No.        |
|--------------------------------------------------------|----------|----|------------|
| SUPER FIRE 4 HOT BOX EU incl. MAPP <sup>1</sup> gas A  | 4.055 kg | 1  | 1000002364 |
| SUPER FIRE 4 HOT BOX EU incl. MAPP <sup>1</sup> gas B  | 3.965 kg | 1  | 1000002366 |
| SUPER FIRE 4 HOT BOX EU incl. MAPP <sup>1</sup> gas C  | 4.095 kg | 1  | 1000002368 |
| SUPER FIRE 4 HOT BOX US incl. MAPP <sup>1</sup> gas US | 4.055 kg | 1  | 1000001630 |

**SUPER FIRE 4**

Set (No. 1500001355) includes:  
handle (No. 1500001354), cyclone burner (No. 35457)

**When placing your order, remember to order the universal torch support (No. 35461) for stationary soldering, too!**

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



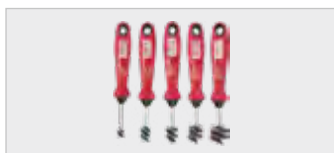
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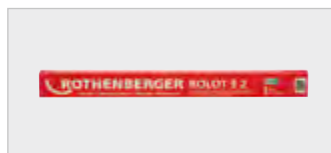
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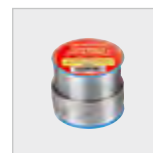
No. 31050



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

## ROFIRE GLOBAL

**Ergonomic torch for brazing and soft soldering applications**

**Brazing:** up to Ø 28 mm  
(with flame reflector in wind-protected environment)  
**Soft soldering:** up to Ø 35 mm

### Application Benefits

- Powerful cyclone torch for efficient brazing up to Ø 28 mm
- Ideal with MAPP<sup>1</sup> gas: up to 2.5 hours of brazing with only one cartridge
- Piezo ignition for comfortable and safe work
- Protection against triggering of the Piezo ignition when falling down

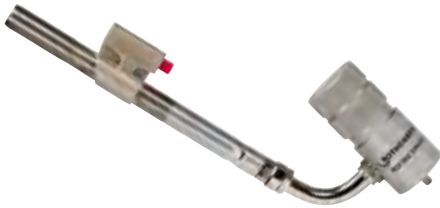
| Model                   | Weight   | PU | No.        |
|-------------------------|----------|----|------------|
| ROFIRE GLOBAL, 7/16" EU | 0.250 kg | 1  | 1500002869 |



## ROFIRE SWIVEL PRO Cyclone Piezo

**Cyclone burner with piezo ignition**

**Coupling:** 1" US  
**Brazing:** up to Ø 18 mm  
**Soft soldering:** up to 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 |

## ROFIRE 4

Ergonomic soft soldering torches for safe and comfortable use

**Hard soldering:** up to Ø 15 mm

**Soft soldering:** up to Ø 22 mm

### Application Benefits

- Integrated preheating function for optimum flame pattern even in overhead applications (360°)
- Precise adjustment of the burner flame

### Technical Data

|          |                         |
|----------|-------------------------|
| Coupling | 7/16" EU                |
| Handle   | Plastic                 |
| Burner   | Brass / stainless steel |

| Model                             | Weight   | PU | No.        |
|-----------------------------------|----------|----|------------|
| ROFIRE 4<br>without gas cartridge | 0.300 kg | 1  | 1500002921 |
| ROFIRE 4<br>incl. Multigas 300    | 0.750 kg | 1  | 1000002359 |



## ROFIRE 4 PIEZO

Ergonomic soft soldering torches for safe and comfortable use

**Hard soldering:** up to Ø 15 mm

**Soft soldering:** up to Ø 22 mm

### Application Benefits

- Integrated preheating function for optimum flame pattern, even for overhead applications (360°)
- 2-component design made of rubberized plastic for excellent ergonomics and handling
- Reliable piezo ignition (up to 30,000 ignitions)
- Precise adjustment of the burner flame

### Technical Data

|          |                         |
|----------|-------------------------|
| Coupling | 7/16" EU                |
| Handle   | Plastic, rubberized     |
| Burner   | Brass / stainless steel |



#### Stainless steel burner with preheat function

Applicable in any position, even overhead (360°)

#### 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<br>without gas cartridge | 0.300 kg | 1  | 1500002922 |
| ROFIRE 4 PIEZO<br>incl. Multigas 300    | 0.750 kg | 1  | 1000002360 |



MAPP<sup>1</sup> gas

High-performance gas for brazing and soldering

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



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



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)

Packaging profile

|                                 |                       |
|---------------------------------|-----------------------|
| Model                           | MAPP <sup>1</sup> gas |
| No.                             | 035521-A              |
| EAN code                        | 4004625400180         |
| Product size (mm) (W × H)       | 70 × 270              |
| Contents (ml)                   | 800                   |
| Weight (g)                      | 400                   |
| Unit per box                    | 12                    |
| Boxes per layer / pallet        | 10                    |
| Layer per pallet                | 3                     |
| Units per pallet                | 360                   |
| Number of pallets per truckload | 60                    |
| Units per truckload             | 21,600                |
| Pallet weight (kg)              | 324                   |
| Pallet size (mm) (L × W × H)    | 800 × 1,200 × 1,000   |
| Carton size (mm) (L × W × H)    | 290 × 310 × 240       |

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

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.



### Packaging profile

|                                 |                     |
|---------------------------------|---------------------|
| Model                           | Maxigas 400         |
| No.                             | 035570-A / -B       |
| EAN code                        | 4004625355701 (A)   |
| Product size (mm) (W × H)       | 65 × 260            |
| Contents (ml)                   | 600                 |
| Weight (g)                      | 352                 |
| Unit per box                    | 24                  |
| Boxes per layer / pallet        | 9                   |
| Layer per pallet                | 3                   |
| Units per pallet                | 648                 |
| Number of pallets per truckload | 60                  |
| Units per truckload             | 38,880              |
| Pallet weight (kg)              | 195                 |
| Pallet size (mm) (L × W × H)    | 800 × 1,200 × 1,000 |
| Carton size (mm) (L × W × H)    | 405 × 272 × 264     |

## Multigas 300

Propane / butane gas mixture for flame temperatures up to 1,900 °C. Gas cartridge with 7/16" EU connection thread.



### Packaging profile

|                                 |                     |
|---------------------------------|---------------------|
| Model                           | Multigas 300        |
| No.                             | 035510-A / -B       |
| EAN code                        | 4004625355107 (A)   |
| Product size (mm) (W × H)       | 65 × 260            |
| Contents (ml)                   | 600                 |
| Weight (g)                      | 338                 |
| Unit per box                    | 24                  |
| Boxes per layer / pallet        | 9                   |
| Layer per pallet                | 3                   |
| Units per pallet                | 648                 |
| Number of pallets per truckload | 60                  |
| Units per truckload             | 38,880              |
| Pallet weight (kg)              | 191                 |
| Pallet size (mm) (L × W × H)    | 800 × 1,200 × 1,000 |
| Carton size (mm) (L × W × H)    | 405 × 272 × 264     |

## Supergas C 200 TSS

Butane piercing cartridge with propane content also for working at low temperatures. Manufactured according to EN 417:2012, with integrated Top Safe System (TSS). This system largely retains escaping gas when disconnecting from the device.



### Packaging profile

|                                 |                     |
|---------------------------------|---------------------|
| Model                           | C 200 TSS           |
| No.                             | 035901-A / -B       |
| EAN code                        | 4004625390627 (A)   |
| Product size (mm) (W × H)       | 90 × 95             |
| Contents (ml)                   | 330                 |
| Weight (g)                      | 190                 |
| Unit per box                    | 36                  |
| Boxes per layer / pallet        | 9                   |
| Layer per pallet                | 3                   |
| Units per pallet                | 972                 |
| Number of pallets per truckload | 60                  |
| Units per truckload             | 58,320              |
| Pallet weight (kg)              | 350                 |
| Pallet size (mm) (L × W × H)    | 800 × 1,200 × 1,180 |
| Carton size (mm) (L × W × H)    | 360 × 275 × 280     |

AIRPROP brazing set

Propane high-performance torch for brazing up to Ø22 mm and soft soldering up to Ø54 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

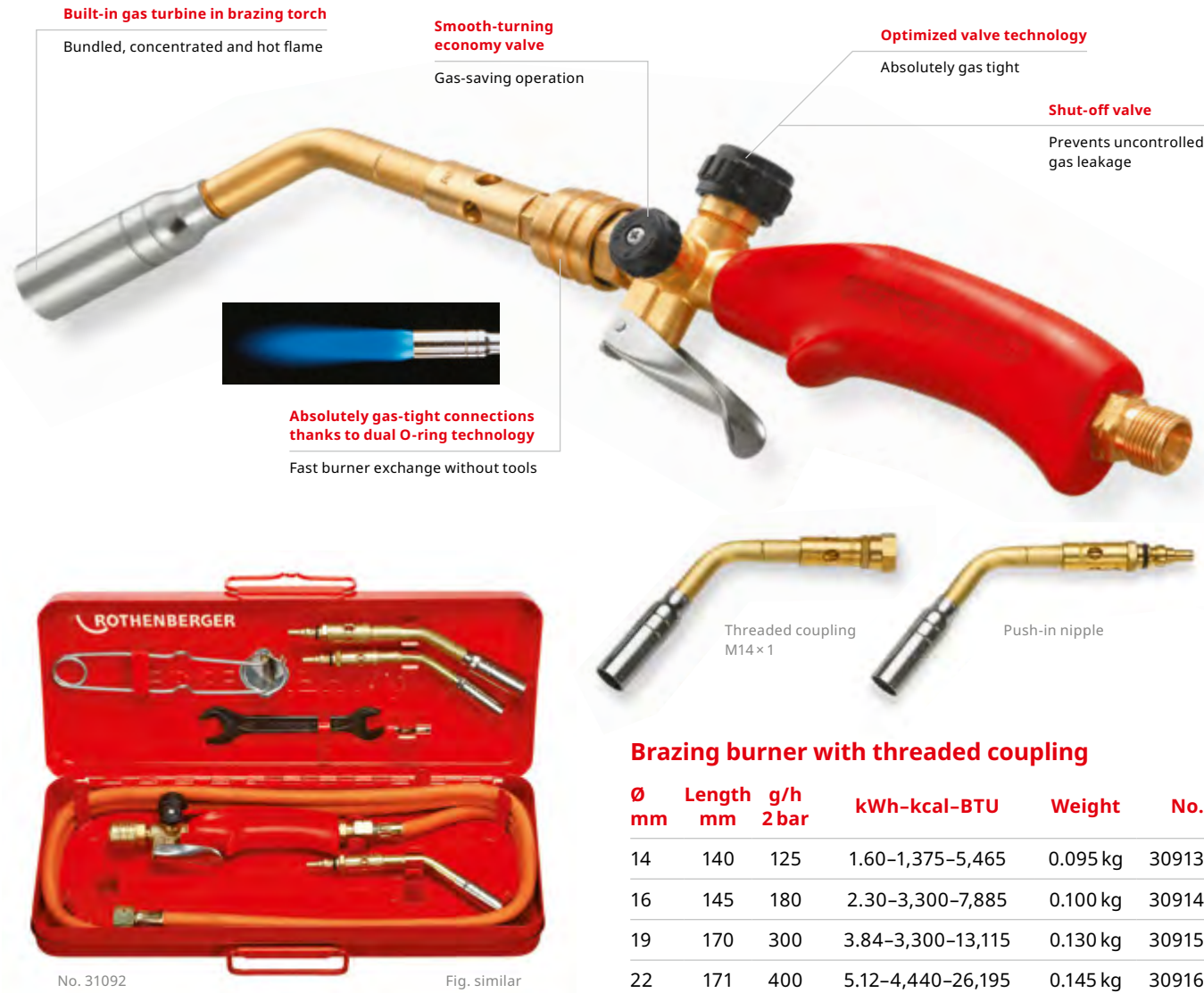
Application Benefits

- Bundled, concentrated and hot flame due to built-in gas turbine in brazing torch
- 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                      |



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 |

Sets include: safety handle with push-in coupling (No. 211121116), brazing burner with push-in nipple Ø14 mm (No. 221131416) / Ø16 mm (No. 221131616) / Ø19 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 |

## 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                      |

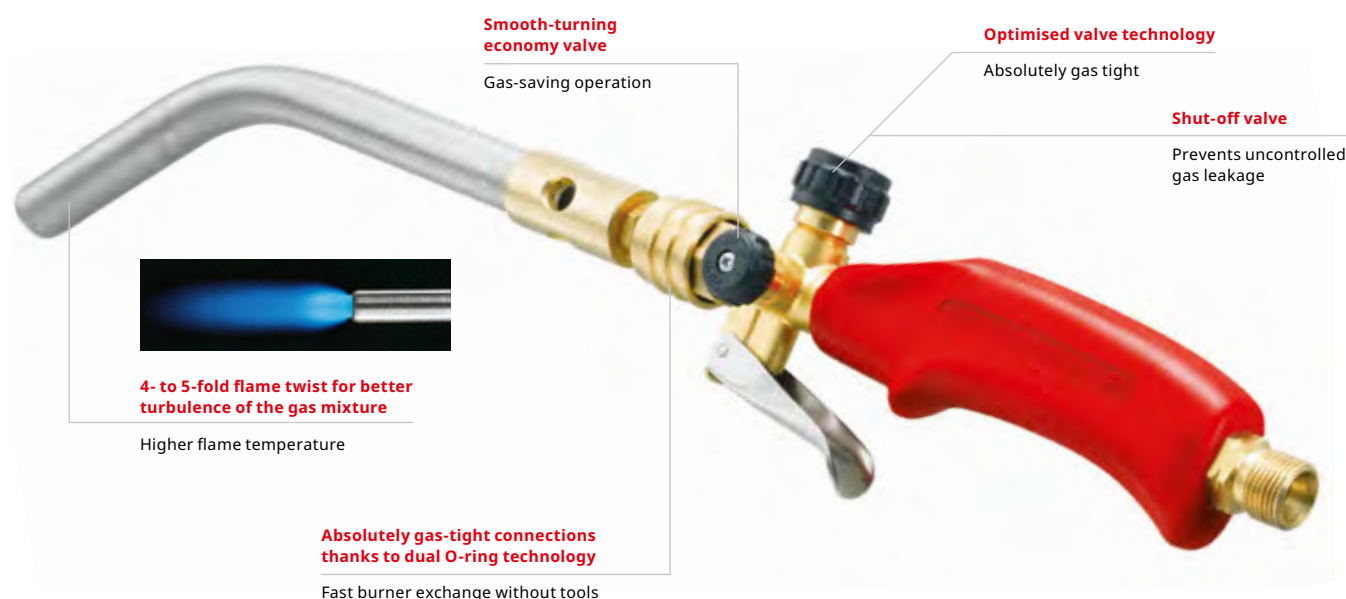


Fig. TURBOPROP burner with push-in nipple



No. 31090

Fig. similar

Sets include: safety handle with push-in coupling (No. 21121116), 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 |



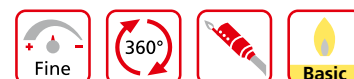
## ROOFING set

### Propane heating torch with Ø 63 mm high performance torch head

Ideal for roofing and asphaltting work and for bonding bitumen membranes, large-scale weed flaming, thawing, insulating, shrinking, drying and heating.

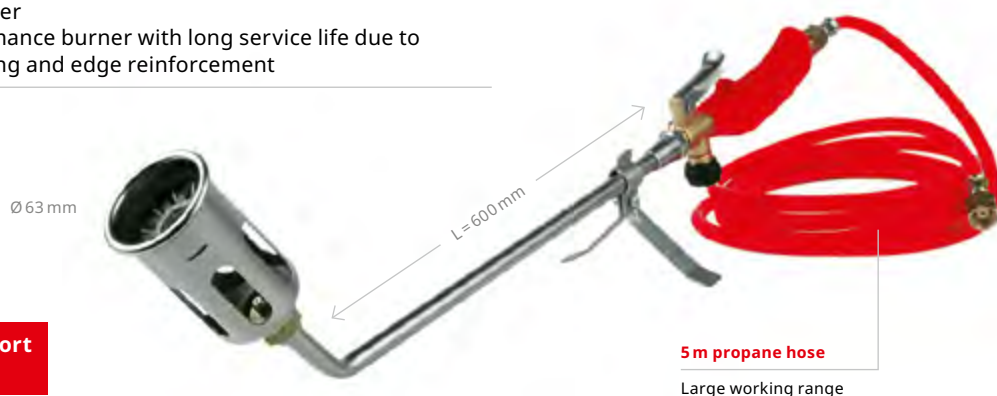
#### Application Benefits

- Large working range due to 5 m propane hose
- Efficient working even in adverse weather conditions due to flame stabilizer
- High-performance burner with long service life due to chrome plating and edge reinforcement



#### Technical Data

600 mm burner tube  
Burner support



**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<br>(as No. 30954, with pressure<br>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.       |
|---------------|-----------|-----------|----------------------|----------|-----------|
| <b>open</b>   |           |           |                      |          |           |
| 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 |
| <b>closed</b> |           |           |                      |          |           |
| 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

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



No. 211111116



No. 211121116

## Propane regulators

Brass, for 0.5 kg, 5 kg and 11 kg bottles

| Inlet             | Outlet    | Working pressure bar | Performance 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<br>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!



7

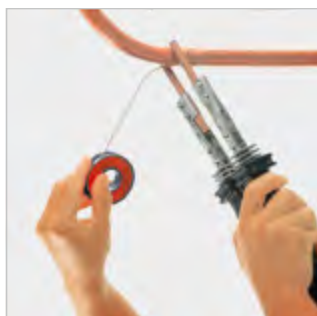


## ROTHERM 2000 set

Set (No. 36702 ) includes: ROTHERM 2000 soft soldering unit, 230V (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!

Warming up of the soldering joint without open flame



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



Flat electrode



Simple replacement of electrodes and electrode holders



No. 36721



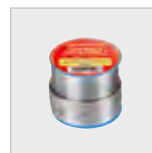
No. 36720



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 |



Fig. similar

| Model                   | Weight    | PU | 230 V<br>50 / 60 Hz |
|-------------------------|-----------|----|---------------------|
| ROTHERM 2000 basic unit | 13.600 kg | 1  | 36700               |
| ROTHERM 2000 set        | 17.800 kg | 1  | 36702               |



ALLGAS 2000 set

Universal oxyacetylene soldering and welding torch

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

**Soldering range:** Up to 2.5 mm material thickness

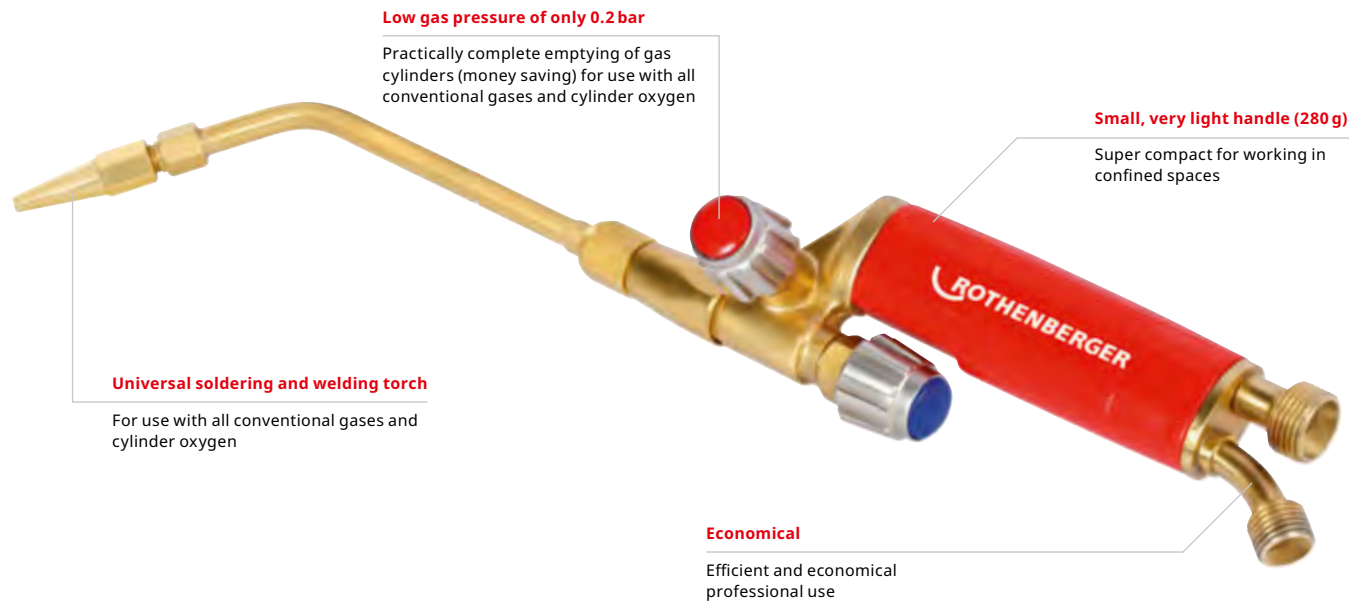
**Welding range:** 0.2–5 mm

**Applicable with fuel gases:** Acetylene with oxygen, propane with oxygen, natural gas with oxygen, town gas with oxygen



Application Benefits

- Universally applicable with all common fuel gases and cylinder oxygen
- Almost residue-free emptying of gas cylinders (cost-saving)
- Handy and compact for working in hard-to-reach places
- Economical and cost-effective for professional use



Flexible pipe welding attachments



Safe and quick flame positioning



Dispersion burners for warming up



**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 set

Fig. similar

## ALLGAS 2000 PS 0,5 / 2 Compact

### Portable brazing equipment with carrying frame

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

#### Application Benefits

- Secure transport in closed supporting frame
- Portable, light brazing equipment
- Ideal for mobile building-site and repair use
- Small propane cylinders can be refilled

#### Technical Data

|                     |                    |
|---------------------|--------------------|
| Gas                 | Propane and oxygen |
| Flame temperature   | 3,100 °C           |
| Working temperature | 1,300 °C           |

**With safety devices  
to prevent flashbacks**

**24-part set (No. 35655) includes:** ALLGAS 2000 handle (No. 35303), propane hose, 2.5 m (No. 32201), oxygen hose, 2.5 m (No. 35210), propane regulator adjustable 0–6 bar (No. 242206000), oxygen pressure reducer 10 bar (No. 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 |



The bottle colors shown are without obligation! Fig. similar

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<sup>1</sup> gas pressure regulator with adjustment range 0–2 bar for constant, low consumption and efficient flame adjustment

Accessories included in the set



MAPP<sup>1</sup> and oxygen

Flame temperature above 3,100 °C

Welding and brazing torches

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



Technical Data

|                     |                                   |
|---------------------|-----------------------------------|
| Gas                 | MAPP <sup>1</sup> gas with oxygen |
| Flame temperature   | over 3,100 °C                     |
| Working temperature | 1,300 °C                          |

High quality safety devices

Reliable prevention of gas 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

High quality rubber hoses

20 bar, certified according to DIN EN ISO 3821, length: 2.5 m



Fig. 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 <sup>1</sup> gas 1" US, 750 ml                  | 0.900 kg | 12 | 35698      |
| MAPP <sup>1</sup> gas 7/16" EU, 800 ml               | 0.900 kg | 12 | 035521-A   |
| Oxygen, disposable, 950 ml, 110 bar                  | 1.330 kg | 12 | 35750      |
| Pressure regulator 1" US for MAPP <sup>1</sup> / LPG | 0.380 kg | 1  | 1000000620 |
| Pressure regulator M10 × 1 for oxygen                | 0.350 kg | 1  | 1000000629 |



**ALLGAS 2000 PS 0,5 / 2 Basic****Portable fitter's brazing equipment**

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

**Application Benefits**

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

**18-part set (No. 35651) includes:** ALLGAS 2000 handle (No. 35303), propane hose, 2.5 m (No. 32201), oxygen hose, 2.5 m (No. 35210), propane regulator adjustable 0–6 bar (No. 242206000), oxygen pressure reducer 10 bar (No. 35634), mixing burners with union nut (No. 35304), welding tips 0.2–1.0 mm (No. 35305) / 1.0–2.0 mm (No. 35306) / 2.0–3.0 mm (No. 35307) / 3.0–4.0 mm (No. 35308) / 4.0–5.0 mm (No. 35309), welding tip holder/spanner (No. 35312) multi-size spanner (No. 35738), safety igniter (No. 32077), replacement flints (No. 32088), steel oxygen cylinder 2.0 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 |

Space saving storage  
in service vehicles!



The bottle colors shown are without obligation! Fig. similar

**ROXY 400 L Set****Standard gas-welding equipment for flame temperatures up to 3,100 °C**

For brazing copper, brass, aluminum, iron, steel, sheet metal, pipes and non-ferrous metals

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

Space saving storage  
in service vehicles!



The bottle colors shown are without obligation! Fig. similar



**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), dual-telescoping transport trolley (No. 35354)

| Model                          | Weight    | PU | No.   |
|--------------------------------|-----------|----|-------|
| RE 17 three-gas system AMS 5/5 | 50.000 kg | 1  | 35400 |



The bottle colors shown are without obligation! Fig. similar

**RE 17 three-gas system AMS 5/10**

**Assembly, welding, cutting and brazing system**  
**Welding range: 0.5–14 mm, Cutting range: 12–50 mm**

**Including dual-telescoping transport trolley!**

**24-part set (No. 35403) includes:** handle with coupling nut (No. 35324), welding attachments 0.5–1.0 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! Fig. similar

**RE 17 three-gas system AMS 10/10**

**Assembly, welding, cutting and brazing system**  
**Welding range: 0.5–14 mm, Cutting range: 12–50 mm**

**Including gas cylinders and dual-telescoping transport trolley!**

**27-part set (No. 35401) includes:** handle with coupling nut (No. 35324), welding attachments 0.5–1.0 mm (No. 35325) / 1.0–2.0 mm (No. 35326) / 2.0–4.0 mm (No. 35327) / 4.0–6.0 mm (No. 35328) / 6.0–9.0 mm (No. 35329) / 9.0–14.0 mm (No. 35334), wing-lever cutting attachment (No. 35338), cutting tips 12–25 mm (No. 35341) / 25–50 mm (No. 35344), heating burners 12–100 mm (No. 35339), dual hoses A/O, 5 m (No. 35222), acetylene pressure reducer 1.5 bar (No. 35794), oxygen pressure reducer 10 bar (No. 35634), 2 × 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! Fig. similar

## RE 17 UNIVERSAL pipe welding set

### Assembly, welding, cutting and brazing machine

Welding range: 0.5–14 mm, cutting range 12–100 mm

Set (No. 35479) includes: handle with coupling nut (No. 35324), welding attachments 2.0–4.0 mm (No. 35327) / 4.0–6.0 mm (No. 35328) / 6.0–9.0 mm (No. 35329), flexible pipe-welding tips 2.0–4.0 mm (No. 35347) / 4.0–6.0 mm (No. 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<br>as in set No. 35479, but also including with<br>welding attachments 0.5–1.0 mm / 1–2 mm,<br>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,<br>Oxygen G 1/4" RH, gas G 3/8" LH                                                                             | 0.470 kg | 35324 |



No. 35480

Fig. similar



No. 35324

## RE 17 welding attachments

| Model              | Welding range<br>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 attachment, bendable

| Welding range mm | Weight   | No.   | Welding range mm | Weight   | No.   |
|------------------|----------|-------|------------------|----------|-------|
|                  |          |       | 1–2              | 0.040 kg | 35475 |
| 2–4              | 0.140 kg | 35347 | 2–4              | 0.040 kg | 35476 |
| 4–6              | 0.150 kg | 35348 | 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<br>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<br>m | Inlet     | Outlet    | Internal Ø<br>× Wall<br>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<br>m | Inlet<br>Outlet<br>Oxygen | Inlet<br>Outlet<br>Acetylene | Internal Ø<br>× Wall<br>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 (5l and 10l), TÜV tested in accordance with TRGI

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



Protective bracket included in delivery for steel cylinders without cap

The bottle colors shown are without obligation! Fig. similar

## Cylinder transport trolley

Portable and mobile, for 5 and 10l 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 5–10l 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 |



## 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) | 5 bar (propane/CNG)   | G 3/8" LH | 540365     |
| 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)   |           |            |



## 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 |



Fig. 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 |





## 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



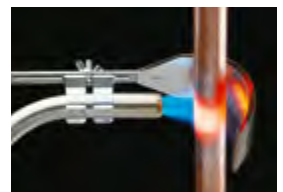
Thickness: 2.8 mm  
Weight: 1,600 g/m²

| 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 |



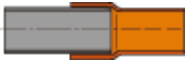
## Fitting soft solder according to EN standard

| 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 <sup>1</sup> 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                                 |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------|---------------------------------|------------------------------------------|
| <b>Copper-Copper</b><br>             | S 34 Cu / S 34 Cu U<br>S 94<br>S 2<br>S 5<br>S 15 | 630–730<br>710–890<br>645–825<br>645–815<br>645–800 | 710<br>760<br>740<br>710<br>700 | DIN EN ISO 17672<br>(former DIN EN 1044) |
| <b>Copper-Carbon steel</b><br>       | S 34 Cu / S 34 Cu U<br>S 45 Cu / S 45 Cu U        | 630–730<br>640–680                                  | 710<br>670                      | DIN EN ISO 17672<br>(former DIN EN 1044) |
| <b>Copper-Brass</b><br>              | S 94<br>S 2<br>S 5<br>S 15                        | 710–890<br>645–825<br>645–815<br>645–800            | 760<br>740<br>710<br>700        | DIN EN ISO 17672<br>(former DIN EN 1044) |
| <b>Brass-Carbon steel</b><br>        | S 34 Cu / S 34 Cu U<br>S 45 Cu / S 45 Cu U        | 600–690<br>595–630                                  | 600–690<br>595–630              | DIN EN ISO 17672<br>(former DIN EN 1044) |
| <b>Brass-Brass</b><br>               | S 94<br>S 2<br>S 5<br>S 15                        | 710–890<br>645–825<br>645–815<br>645–800            | 760<br>740<br>710<br>700        | DIN EN ISO 17672<br>(former DIN EN 1044) |
| <b>Carbon steel-Carbon steel</b><br> | S 34 Cu / S 34 Cu U<br>S 45 Cu / S 45 Cu U        | 630–730<br>640–680                                  | 710<br>670                      | DIN EN ISO 17672<br>(former DIN EN 1044) |

## Fittings solders

Quality soft solders according to EN 9453 for joining copper pipes to copper, gunmetal and brass fittings for hot and cold-water plumbing in accordance with DVGW worksheet GW 2 without flux, for use with corresponding ROSOL fittings solder paste.



No. 45252



No. 45257

### Fitting solder 1 S

Quality soft solder S-Sn97Ag3, melting range 221–240 °C, for use with ROSOL 1 S fittings solder paste

| Solder wire Ø | Description | Weight   | PU | No.   |
|---------------|-------------|----------|----|-------|
| 2 mm          | 250 g coil  | 0.270 kg | 1  | 45252 |
| 3 mm          | 250 g coil  | 0.270 kg | 1  | 45250 |

### Fitting solder 3

Quality soft solder, S-Sn97Cu3, melting range 230–250 °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

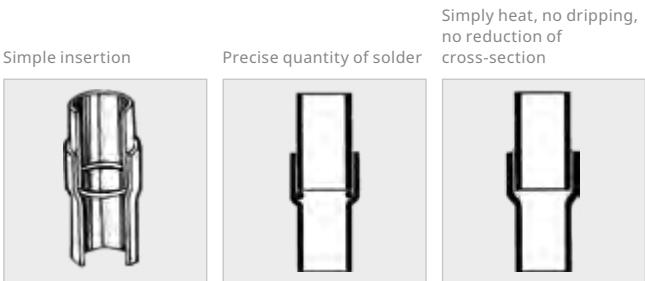
- Ideal for capillary gap soldering in copper pipe installation in sanitary and heating technology
- Exactly matched to the inside diameter of the brazed pipes and fittings according to EN 1254
- Complete through-soldering of the soldered joints
- Particularly economical work due to precisely metered 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                                   |



| 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 | Length 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 | Length 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 | Length 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 |



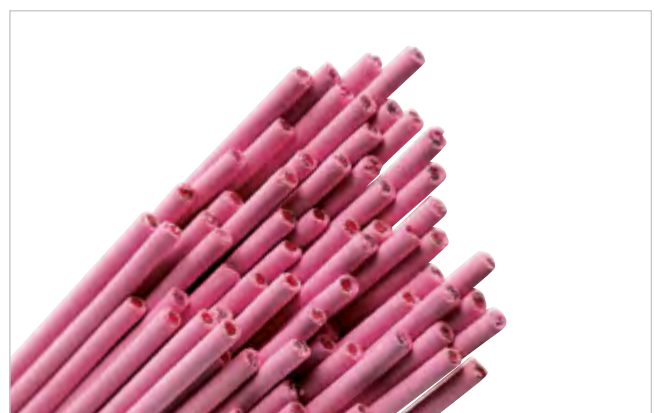
| Content             | Length mm | Weight   | PU | No.   |
|---------------------|-----------|----------|----|-------|
| 100 g plastic bag   | 2         | 0.110 kg | 1  | 44915 |
| 250 g plastic bag   | 2         | 0.260 kg | 1  | 44916 |
| 1,000 g plastic bag | 2         | 1.010 kg | 1  | 44917 |

**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**

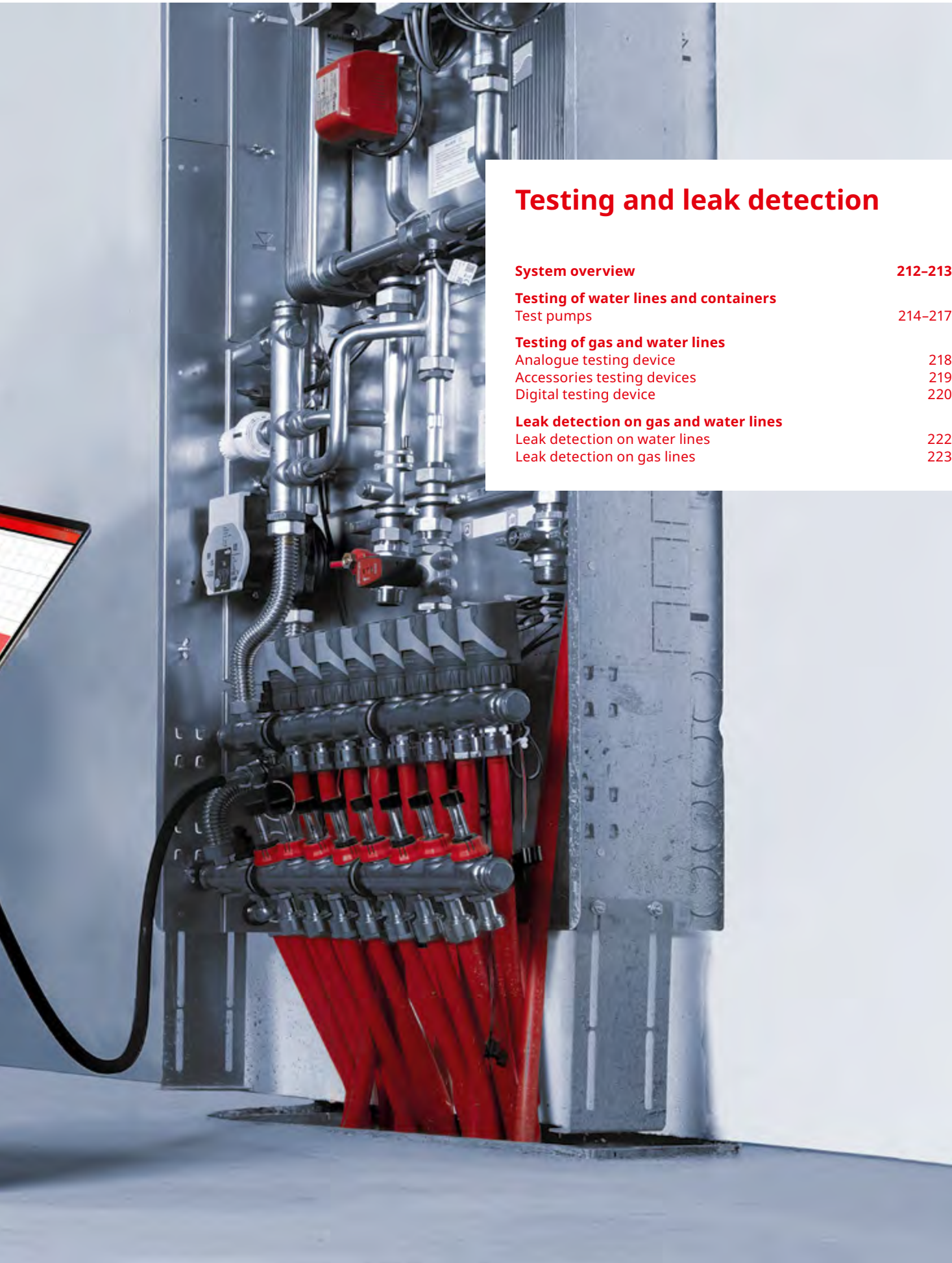
|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| Alloy (weight %)    | Ag 45 / Cu 27 / Zn 25.5 / Sn 2.5                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



| Content           | Length mm | Weight   | PU | No.   |
|-------------------|-----------|----------|----|-------|
| 100 g plastic bag | 2         | 0.110 kg | 1  | 45055 |
| 250 g plastic bag | 2         | 0.325 kg | 1  | 45056 |







## Testing and leak detection

|                                              |                |
|----------------------------------------------|----------------|
| <b>System overview</b>                       | <b>212–213</b> |
| <b>Testing of water lines and containers</b> |                |
| Test pumps                                   | 214–217        |
| <b>Testing of gas and water lines</b>        |                |
| Analogue testing device                      | 218            |
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| Digital testing device                       | 220            |
| <b>Leak detection on gas and water lines</b> |                |
| 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                    |

## Test pumps, manual

## TP 25



## RP 30



## Test pump, electric

## 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 / 0.01 MPa)              |
| 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<br>(PC software or direct printout) |
| <b>Page</b>           | <b>218</b>                              | <b>220</b>                                            |

## Leak detection

## ROLEAK Aqua 3 Plus



|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| Detects           | Water                                                                  |
| Frequency filter  | 1. stage: 0–540 Hz,<br>2. stage: 540–4,000 Hz,<br>3. stage: 0–4,000 Hz |
| Battery life time | approx. 15 h                                                           |
| Safety class      | IP 41                                                                  |
| <b>Page</b>       | <b>222</b>                                                             |

## ROTEST Electronic 4



|             |                                                                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detects     | Natural gas, propane, butane, methane,<br>acetone, alcohol, ammonia, benzyl,<br>ethylene, gasoline, hydrogen, industrial<br>solvents, jet fuel, paint thinner, naptha,<br>toluene |
| Sensitivity | <50 ppm–1 Vol% (Methane)                                                                                                                                                          |
| <b>Page</b> | <b>223</b>                                                                                                                                                                        |



## 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 |

**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<br>0–860 psi with 20 psi steps<br>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

**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

**INOX**

No. 60203

No. 60200

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    |

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<br>0–570 psi with 20 psi steps<br>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

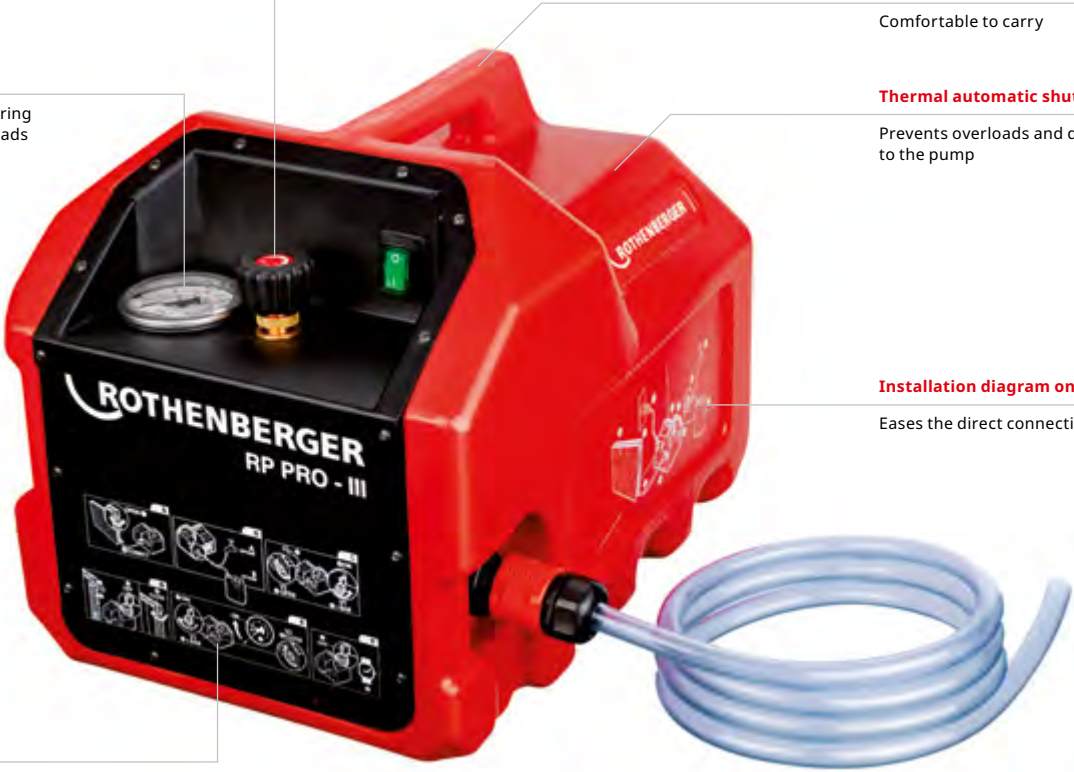
Prevents overloads and damage to the pump

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     |

**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



| Model                         | Weight   | PU | No.   |
|-------------------------------|----------|----|-------|
| TP 25                         | 4.600 kg | 1  | 60250 |
| Maintenance package for TP 25 | 0.100 kg | 1  | 60251 |

**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  |

**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<br>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                                              |

| Model | Weight   | PU | No.   |
|-------|----------|----|-------|
| RP 30 | 4.500 kg | 1  | 61130 |



Easy, light and handy: for all common  
house building applications





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!



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



Technical Data

|                  |                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pressure gauge   | 4 bar / 0.4 MPa                                                                                                                                       |
| Water column     | 150 mbar / hPa                                                                                                                                        |
| Testing accuracy | Water column 0.1 mbar / hPa<br>(Reading accuracy in accordance with TRGI)<br>Pressure gauge 0.1 bar / 0.01 MPa<br>(Display range 0–4 bar / 0–0.4 MPa) |



| 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 |

## 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<br>exterior<br>pipe Ø inch | Copper<br>exterior<br>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



##### 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                                   |

**Certified process reliability in everyday work!**



8

##### 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





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 (1") | 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, 2x 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 |



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  
Fig. 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 |

## 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



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 |

#### Technical Data

|             |                                                                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detects     | Natural gas, propane, butane, methane, acetone, alcohol, ammonia, benzyl, ethylene, gasoline, hydrogen, industrial solvents, jet fuel, paint thinner, naphtha, toluene |
| Sensitivity | <50 ppm–1 Vol % (Methane)                                                                                                                                              |



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

#### 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 |

Highly sensitive foam spray  
for quick and reliable  
location of leaks



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











## Freezing

**System overview** 226

**Freezing electric**  
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 <sub>2</sub> 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 <sub>2</sub> (R744)                                                              |
| <b>Page</b>       | <b>227</b>                                                                        | <b>228</b>                                                                         | <b>231</b>                                                                          |

## 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 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

### Compact design

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

### Heat conductive paste

Enables freezing without continuous spraying of the pipe

### 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 |

Freezing

Freezing electric

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 environmentally 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 |

## ROFROST App

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



### Application instructions

Check if you have performed the following steps

1. Waterflow interrupted?
2. Select the suitable reduction inserts?
3. Heat conductive paste used?
4. Correct mounted clamp at the pipe?
5. Switched on the ROFROST Turbo R 290?

**Next step**

Imprint

Checklist for the freezing process

### Freezing parameter

Select the freezing parameter

ROFROST Turbo R 290 1.1/4" recognized  
Serial number 3108180080055

Pipe material: Copper (Cu)  
Pipe diameter: Ø 22

Recommended minimum freezing time:  
**14 minutes**

**Apply freezing parameter**

Imprint

The recommended freeze time is displayed by adjusting the material and diameter

### Timer

Start freezing process with the following parameters:  
ROFROST Turbo R 290 1.1/4"  
Pipe material Copper (Cu)  
Pipe diameter Ø 22

Recommended minimum freezing time:  
**14 minutes**

**14:00**

**Start timer**

Imprint

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 |



Freezing

Freezing electric

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"

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<sub>2</sub> Set

**Freezing unit for the freezing of pipes up to 2" without electricity**

Maintenance, repair and expansion work in sanitary and heating installation. No electrical connection required

### Application Benefits

- Flexible use, freezing possible without electricity
- Because of the low temperature (up to -79 °C) the dry ice enables a faster freezing as every other electrical freezing unit that uses refrigerant
- Piping up to 2" can be frozen with just one unit
- Freezer heads made out of extremely cold-resistant special plastic

### Technical Data

|                                   |          |
|-----------------------------------|----------|
| Working area diameter copper pipe | 10–54 mm |
| Working area diameter steel pipe  | 1/8–2"   |

Set without carbon dioxide bottles!

**RO**  
CASE



| Model                                                             | Weight   | PU | No.   |
|-------------------------------------------------------------------|----------|----|-------|
| ROFROST CO <sub>2</sub> 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 up 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**

ROSCOPE MINI 236

ROTHENBERGER App 237

ROCAM MINI HD 238

Locating module ROLOC PLUS HD 239

ROCAM 4 PLUS 240–242

Accessories video inspection 243



| 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                                                                     | <input type="radio"/>  | 25 mm camera head                                                                  | <input type="radio"/>                                                               | Ø 40–110 mm                                                                         | <input type="radio"/>            |
|                                                                                   |                        | 30 mm camera head                                                                  | <input type="radio"/>                                                               | <input type="radio"/>                                                               | <input type="radio"/>            |
|                                                                                   |                        | 40 mm camera head                                                                  | <input type="radio"/>                                                               | <input type="radio"/>                                                               | <input type="radio"/>            |
| Display size                                                                      | 2.5"                   | Display size                                                                       | 7"                                                                                  | 7"                                                                                  | 7"                               |
| Touchscreen                                                                       | <input type="radio"/>  | Touchscreen                                                                        | <input checked="" type="radio"/>                                                    | <input checked="" type="radio"/>                                                    | <input checked="" type="radio"/> |
| Cable length                                                                      | 1.2 m                  | Cable length                                                                       | 1 m                                                                                 | 22 m                                                                                | <input type="radio"/>            |
| Cable diameter                                                                    | 5.5 mm                 | Metre counter                                                                      | <input type="radio"/>                                                               | <input type="radio"/>                                                               | <input type="radio"/>            |
| Camera head                                                                       | Ø 8.5 mm               | Cable diameter                                                                     | 7 mm                                                                                | 7 mm                                                                                | <input type="radio"/>            |
| Self levelling                                                                    | 180° digital rotatable | Self levelling                                                                     | <input checked="" type="radio"/>                                                    | <input checked="" type="radio"/>                                                    | <input type="radio"/>            |
| Transmitter                                                                       | <input type="radio"/>  | Transmitter                                                                        | <input type="radio"/>                                                               | <input checked="" type="radio"/>                                                    | <input type="radio"/>            |
| Frequency                                                                         | <input type="radio"/>  | Frequency                                                                          | <input type="radio"/>                                                               | 512 Hz                                                                              | 512 Hz, 640 Hz, 33 kHz           |
| Picture format                                                                    | JPG                    | Picture format                                                                     | JPG                                                                                 | JPG                                                                                 | <input type="radio"/>            |
| Picture resolution                                                                | 320 × 240 px           | Picture resolution                                                                 | 1,920 × 1,080 px                                                                    | 1,920 × 1,080 px                                                                    | <input type="radio"/>            |
| Video format                                                                      | <input type="radio"/>  | Video format                                                                       | AVI                                                                                 | AVI                                                                                 | <input type="radio"/>            |
| Video resolution                                                                  | <input type="radio"/>  | Video resolution                                                                   | 1,920 × 1,080 px                                                                    | 1,920 × 1,080 px                                                                    | <input type="radio"/>            |
| Storage                                                                           | Built-in memory        | Storage                                                                            | SD card                                                                             | SD card                                                                             | <input type="radio"/>            |
| Wi-Fi transmitter                                                                 | <input type="radio"/>  | Wi-Fi transmitter                                                                  | <input checked="" type="radio"/>                                                    | <input checked="" type="radio"/>                                                    | <input type="radio"/>            |
| Protocol feature                                                                  | <input type="radio"/>  | Protocol feature                                                                   | <input checked="" type="radio"/>                                                    | <input checked="" type="radio"/>                                                    | <input type="radio"/>            |
| Audio recording                                                                   | <input type="radio"/>  | Audio recording                                                                    | via headphones                                                                      | via headphones                                                                      | <input type="radio"/>            |
| Data handling                                                                     | <input type="radio"/>  | Data handling                                                                      | via app                                                                             | via app                                                                             | via app                          |
| Page                                                                              | 236                    | Page                                                                               | 238                                                                                 | 238                                                                                 | 239                              |

## 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        | ●            | ●            | ●            |
| Cable length       | 30 m         | 65 m         | 16 m         |
| Metre counter      | ●            | ●            | ●            |
| 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      |
| Wi-Fi transmitter  | ●            | ●            | ●            |
| Protocol feature   | ●            | ●            | ●            |
| Audio recording    | ●            | ●            | ●            |
| Data handling      | via app      | via app      | via app      |
| <b>Page</b>        | <b>240</b>   | <b>241</b>   | <b>241</b>   |

## 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

#### 180° rotatable picture

Fast and precise analysis on a 2.5" display with triple zoom

#### Intuitive handling

Self-explanatory service in live and review mode

Quick inspection of hollow spaces before and after installations



Always ready to hand, due to handy belt clip



#### 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



#### Space-saving storage

can be easily wound up around

#### Accessories included

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



Magnet-accessory



Mirror-accessory

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 |

## 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

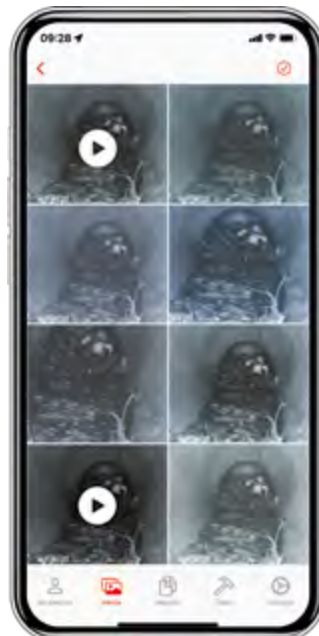


Available for iOS and Android!

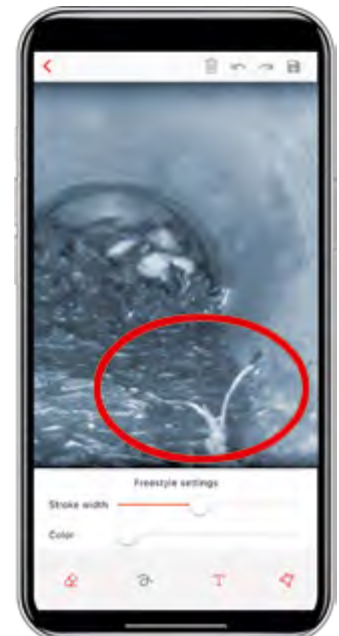
Live image



Gallery



Editing display



10

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 40–110 mm



#### Application Benefits

- Full-HD and TrueColor for fast and accurate analysis
- 22 m cable for more independence
- Optimized cable stiffness and head geometry to pass up to six 90° bends (50 mm tubes) / three 90° bends (40 mm tubes)
- Integrated Bluetooth® module for connecting headphones to add voice recording
- Wi-Fi module for perfect connection between smartphone and ROCAM MINI HD. With the help of the app, the entire gallery of the ROCAM MINI HD can be accessed and shared directly.
- Livestream function via app to share the screen with the customer for a professional appearance

#### Technical Data

|                              |                  |
|------------------------------|------------------|
| Battery voltage              | 18 V             |
| Application range            | Ø 40–110 mm      |
| Picture and video resolution | 1,920 × 1,080 px |
| Cable diameter               | 7 mm             |
| Camera head                  | Ø 25 mm          |
| Storage type                 | SD card 32 GB    |
| Locator transmitter          | 512 Hz           |
| Waterproof                   | 10 m             |
| Display                      | Touchscreen 7"   |

#### 7" Full-HD 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 40–110 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, RO CASE 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 |

## ROCAM MINI HD module ROLOC PLUS HD

### Probe locator for locating 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.

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

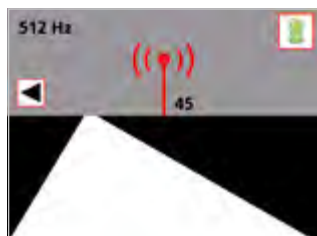
#### Technical Data

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

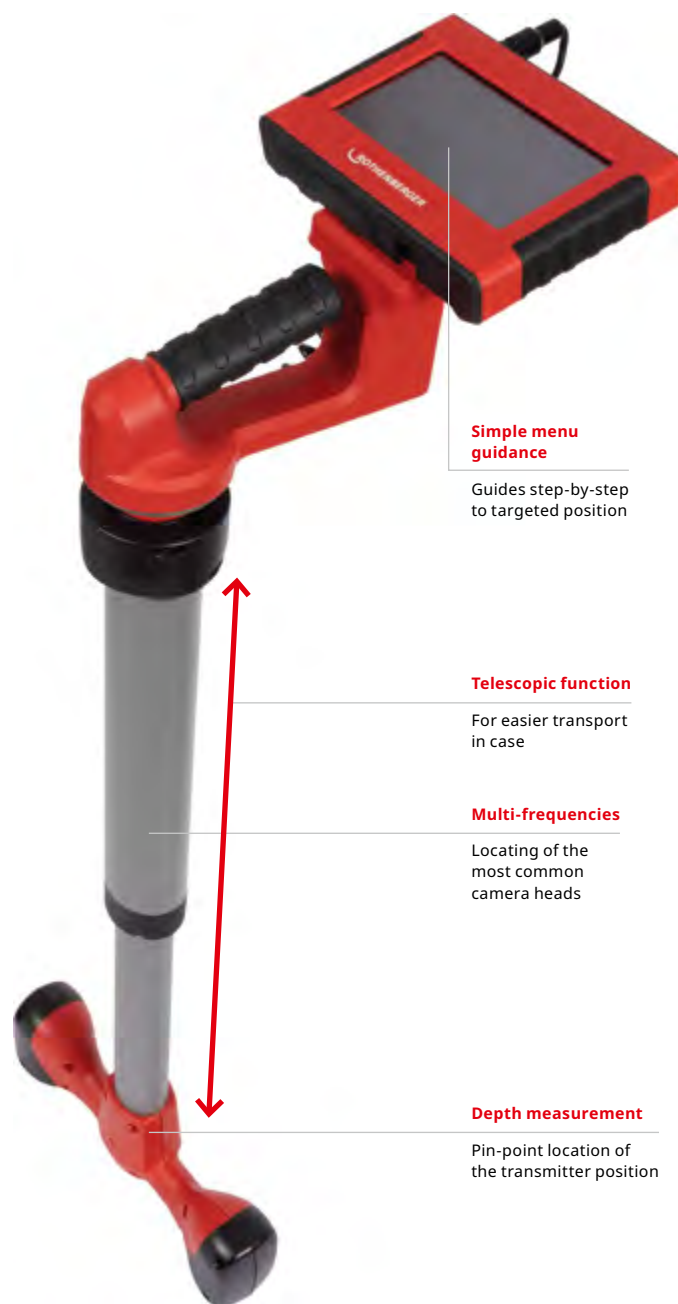
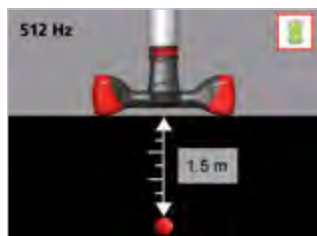
With the help of the ROLOC PLUS HD module the locating transmitter can be quickly and easily found



Target is left of the running direction. Correction of your direction to the left is necessary.



Depth measurement with a push of the button



#### Simple menu guidance

Guides step-by-step to targeted position

#### Telescopic function

For easier transport in case

#### Multi-frequencies

Locating of the most common camera heads

#### Depth measurement

Pin-point location of the transmitter position

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 |

### 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<br>Ø 30 mm, self-levelling and waterproof with 10 LEDs<br>Ø 40 mm, self-levelling and waterproof with 36 LEDs |
| Working range            | Ø 40–100 mm (mini module)<br>Ø 70–150 mm (30 mm camera head)<br>Ø 100–300 mm (40 mm camera head)                                              |
| Cable length             | 65 m version<br>30 m version<br>16 m mini module (optional)                                                                                   |
| Cable diameter           | 7 mm (30 m and 65 m reel)<br>5.5 mm (mini module)                                                                                             |
| Transmitter frequency    | 33 kHz                                                                                                                                        |
| Power supply             | Li-Ion battery 18 V / 4 Ah<br>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

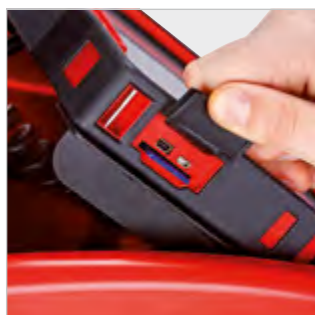
Voice recording for documentation possible

#### 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 18 V battery, RO BC14/36 charger, RO CASE 4414

| Model                                                   | Weight    | PU | No.        |
|---------------------------------------------------------|-----------|----|------------|
| ROCAM 4 PLUS 30 m cable, 30 mm camera head, EU          | 18.500 kg | 1  | 1500002613 |
| ROCAM 4 PLUS 30 m cable, 40 mm camera head, EU          | 18.500 kg | 1  | 1500002614 |
| ROCAM 4 PLUS 30 m cable, 40 mm camera head, mini module | 19.500 kg | 1  | 1000001938 |

## ROCAM 4 PLUS 65 meter

Inspection camera for pipes from Ø 40–300 mm with 65 m cable length, with integrated software for documentation and large removable 10.4" touchscreen

CAS



### 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

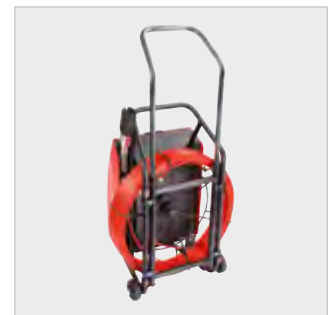
Set (No. 1500002615) includes: ROCAM 4 PLUS, 65 m cable, Ø 30 mm camera head, guidance ball, accessory bag including location transmitter, USB-cable, pencil, RO BP18/4, 4.0 Ah 18 V battery, RO BC14/36 charger, RO CASE 4414

| 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 |





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° curveability 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

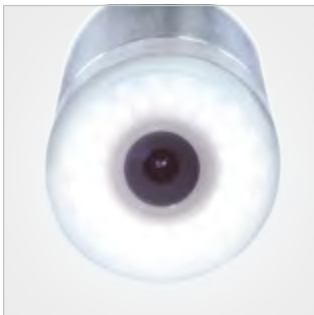
Technical Data

|             |                                                                                          |
|-------------|------------------------------------------------------------------------------------------|
| Camera head | Ø 30 mm with 10 LED lights<br>Ø 40 mm with 36 LED lights<br>self-leveling and waterproof |
| Brightness  | 175 lx (0.5 m), camera head Ø 30 mm<br>666 lx (0.5 m), camera head Ø 40 mm               |

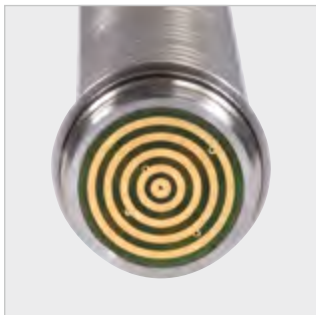
Automatic self-levelling



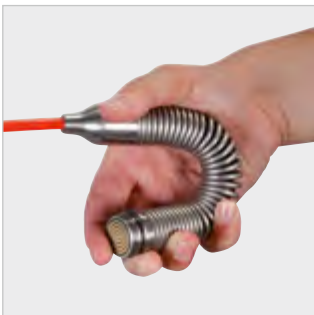
Excellent illumination



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 |

## 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 attachment spiral feather (rear)  
No. 69113



Brush attachment camera head (front)  
No. 69113

| Model                                  | Weight   | PU | No.   |
|----------------------------------------|----------|----|-------|
| Brush attachment Ø 100 mm <sup>1</sup> | 0.200 kg | 1  | 69113 |

| Model                                  | Weight   | PU | No.   |
|----------------------------------------|----------|----|-------|
| Brush attachment Ø 150 mm <sup>1</sup> | 0.300 kg | 1  | 69117 |

1) Use with guidance ball No. 69112 / 1500000817







## Flushing and pipe cleaning

|                                                    |                |
|----------------------------------------------------|----------------|
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## 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 <sup>1</sup> / 10 <sup>1</sup> / 16 / 22 mm | 8 <sup>1</sup> / 10 <sup>1</sup> / 16 / 22 mm | 8 <sup>1</sup> / 10 <sup>1</sup> / 16 / 22 mm | 16 <sup>1</sup> / 22 / 32 mm |
| Power              | 440 W       | 690 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               |

## 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        |
| <b>Page</b>        | <b>257</b>        | <b>258</b>  | <b>263</b> | <b>263</b>  | <b>264</b>     |

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        |
| <b>Page</b>        | <b>265</b>  | <b>265</b>  | <b>265</b>  | <b>265</b>   |

## Decalcifying

ROCAL 20



ROMATIC 20



## Demineralization

Cartridge PURE H<sub>2</sub>O

|                  |            |            |                     |            |          |          |
|------------------|------------|------------|---------------------|------------|----------|----------|
| Tank volume      | 15 l       | 15 l       | Dimension           | S          | M        | L        |
| Volume flow      | 40 l/min   | 40 l/min   | Weight              | 1.5 kg     | 2.8 kg   | 5.1 kg   |
| Delivery height  | 10 m       | 10 m       | Connection          | 3/4"       | 3/4"     | 3/4"     |
| Motor rating     | 150 W      | 150 W      | Max. temperature    | 60 °C      | 60 °C    | 60 °C    |
| Max. temperature | 50 °C      | 50 °C      | Max. pressure       | 4 bar      | 4 bar    | 4 bar    |
| Flow reversal    | Manual     | Automatic  | Max. water quantity | 5 l/min    | 10 l/min | 10 l/min |
| <b>Page</b>      | <b>251</b> | <b>251</b> | <b>Page</b>         | <b>252</b> |          |          |

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 |

## 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

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

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

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)

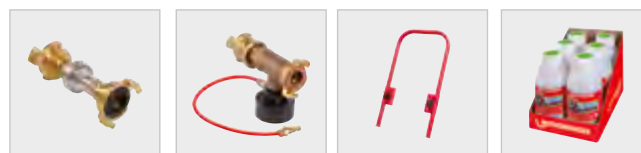


### Accessories

No.

|                          |            |
|--------------------------|------------|
| ROCLEAN Injector         | 1000000190 |
| Pressure regulator 2 bar | 1500000203 |
| ROPULS extension handle  | 1500003517 |

ROCLEAN cleaning and conservation on page 250





## 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.



1

2



## 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.



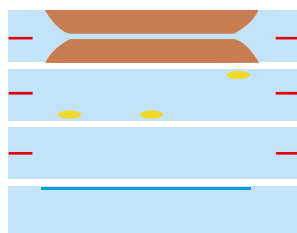
### Cleaning and preservation steps:

#### Before cleaning

**Step 1:**  
Mechanical cleaning

**Step 2:**  
Chemical cleaning

**Step 3:**  
Preserving



#### Model

#### Color code Weight PU

#### No.

Chemical cleaning:

|                          |        |          |   |            |
|--------------------------|--------|----------|---|------------|
| Radiator heating systems | Orange | 6.300 kg | 1 | 1500000200 |
| Surface heating systems  | Green  | 6.300 kg | 1 | 1500000201 |
| Preservative             | Blue   | 6.300 kg | 1 | 1500000202 |
| Disinfection             | Yellow | 6.300 kg | 1 | 1500000157 |

**ROCAL 20 / ROMATIC 20****Decalcifying pump with flow direction change**

For the quick decalcifying of heat exchangers, water pipes, water tanks, heat and cooling systems

**Application Benefits**

- With the help of the flow reversal (change of the direction of flow) even very hard calcifications and deposits can be loosened
- 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      |

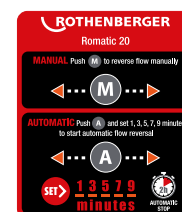


Fig. ROCAL 20

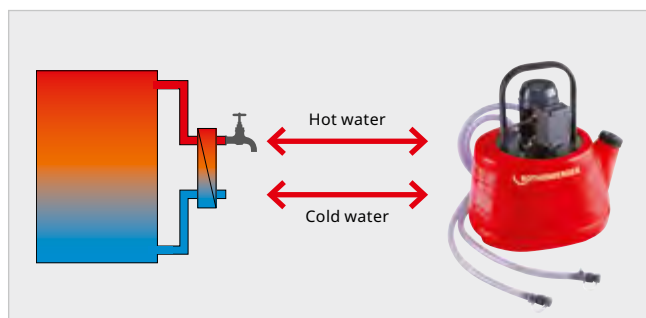


Fig. ROMATIC 20

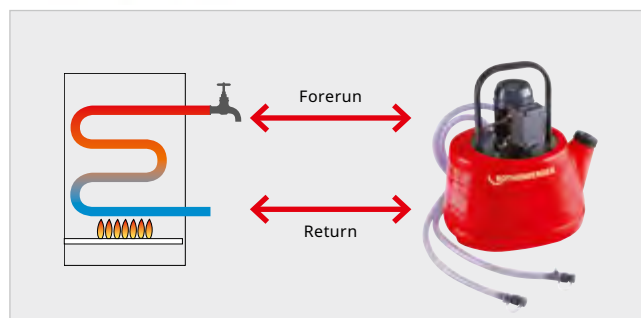
**Automatic  
flow reversal!**



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 1/2–1/2", 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

#### Demineralization cartridge PURE H<sub>2</sub>O

**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<sub>2</sub>O 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 <sup>1</sup>  | 2.000 l            | 4.000 l            | 7.000 l            |
| Capacity at 14°GH <sup>1</sup> | 140 l              | 280 l              | 500 l              |

| Model                                                | Weight   | PU | No.        |
|------------------------------------------------------|----------|----|------------|
| PURE H <sub>2</sub> O (S) demineralization cartridge | 1.800 kg | 1  | 1500004290 |
| PURE H <sub>2</sub> O (M) demineralization cartridge | 3.000 kg | 1  | 1500004322 |
| PURE H <sub>2</sub> O (L) demineralization cartridge | 6.200 kg | 1  | 1500004325 |
| PURE H <sub>2</sub> O 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

| Model            | Weight    | PU | No.        |
|------------------|-----------|----|------------|
| ROCAL Acid Multi | 30.000 kg | 1  | 1500000117 |
| ROCAL Acid Multi | 10.000 kg | 1  | 1500000116 |
| ROCAL Acid Multi | 5.000 kg  | 1  | 1500000115 |

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

● suitable ○ unsuitable

| 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

### 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 accidental spill

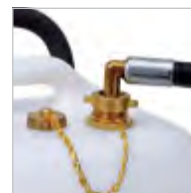
#### Technical Data

|             |      |
|-------------|------|
| 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

#### A dirt filter with sight glass

Filters residues out of the medium

#### 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



| 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

Professional force pump cleaner

The optimum introduction tool for the removal of obstructions in basins, bowls, tubs and toilets etc., using water pressure.

Application Benefits

- Optimal adaption to the job due to adjustable handle
- Good force transmission with ergonomic handles
- Optimal sealed system and therefore high suction and pressure power with single cast main body
- Simple handling with the perfect adaption to the drain and easy to use with ergonomic formed components

Quick—Compact—Handy!

Short adaptor



Long adaptor



Short and long adaptor included in scope of delivery!

| 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     |

#### Ergonomic handle with soft grip inlay

Safe grip and operation even at high speed

#### Spiral lock with flexible spiral and incorporated bulb head auger

Removes dirt in hard-to-reach spaces

#### Closed plastic spiral container

Clean use and sturdy construction

#### Hexagonal bolt

For conventional power drills

#### Spiral diameter

Available in 6, 8, 10 mm diameter

#### Knurled screw, change without tools

Switch from manual to electrical use within seconds

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 |

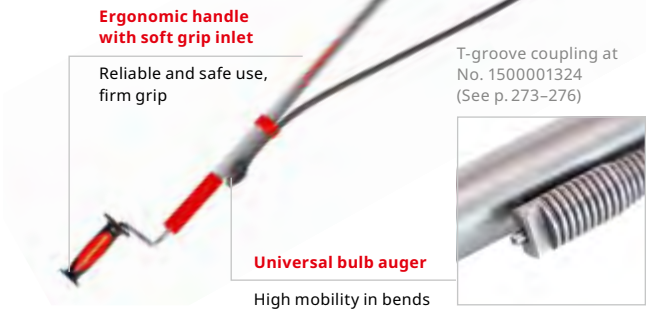
WC-BLITZ RO 3 Toilet Cleaner

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

Angle with plastic protection

No damage to ceramic surfaces in the visual rang



| 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    |



**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      |

### R 550

#### Drain cleaning machine for pipe Ø 20–100 mm

Reliable, high-performance drain cleaning machine with a variety of general purpose maintenance uses.

Especially light, compact and handy design: Ideal for the universal service use by pipe obstructions in connecting pipes from wash basins, toilets, sewage pipes, floor drains and roof drainage.



#### Application Benefits

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

#### 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.



#### Application Benefits

- Direct up take of 16 mm and 22 mm spirals
- Optional Ø 8 and 10 mm with adaptor magazine possible
- Maximum working length 50 m with Ø 16 mm S-spirals
- Maximum working length 60 m with Ø 22 mm S-spirals

#### Technical Data

|                       |             |
|-----------------------|-------------|
| Input power           | 690 W       |
| Frequency             | 50 Hz       |
| Voltage               | 230 V       |
| Spiral diameter       | 8–22 mm     |
| Working area diameter | 20–150 mm   |
| Working area Length   | 60 m        |
| Speed                 | 467 U / min |

| Model                                                 | Weight    | PU | No.   |
|-------------------------------------------------------|-----------|----|-------|
| R 600 with guide hose                                 | 20.900 kg | 1  | 72687 |
| R 600 with guide hose a. spiral-tool set (No. 72956X) | 58.900 kg | 1  | 19173 |

Tool sets starting on page 277



## 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



### R 650

#### Drain cleaning machine for pipe Ø 20–150 mm

For professional mobile drain cleaning. Compact, robust and powerful, even by the toughest pipe obstructions.

Perfectly suited for rough use and in extreme working conditions: Quiet operation and powerful cleaning action, even when cutting through roots or grinding out cement and lime deposits.



#### Application Benefits

- Double motor performance (cp. R 600)
- Flexible with drive lever that can be fitted on the side
- Direct up take of 22 mm and 16 mm spirals
- Optional 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.



#### 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

## 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

### Interchangeable drum

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



### Rubber feet

No damage to the floor

### 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 |

### 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

### 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), separating 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), separating pin (No. 72100), ROCASE (No. 1300003334) with inlay (No. 1300003372)

### RODRUM VarioClean

The RODRUM VarioClean is a compact drum machine for removing blockages in pipes from 40–100 mm diameter.

Through its clean and discrete work it is ideally suited for sanitary businesses, janitors, drain cleaners or for use in households, catering and hotels or public buildings because the dirty spiral moves into the drum during the return.

For the removal of blockages in sewage pipes of 40–100 mm in diameter. 10 mm spiral for pipe diameters from 40–70 mm  
13 mm spiral for pipe diameters from 50–100 mm.

#### Application Benefits

- CAS-battery 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 |

#### VarioClean-Elektronik

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

#### 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

#### 2 in 1 feeding unit

Suitable for Ø 10 mm and Ø 13 mm spirals

#### Interchangeable drum

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

#### Mount for tripod

Optimum working height for cleaning WC and washbasin sink drains



| 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

## 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 households, as well as public buildings like hotels or restaurants.

### Interchangeable drum

Fast change between Ø 13–16 mm spirals

### 3-in-1 feeding unit

No retrofitting necessary for different spiral diameters



## 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 households, as well as public buildings like hotels or restaurants.

### Interchangeable drum

Fast change between Ø 16–20 mm spirals

### 3-in-1 feeding unit

No retrofitting necessary for different spiral diameters



### 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 length, with tool set, EU | 45.500 kg | 1  | 1000001711 |
| RODRUM M 16, 15 m spiral length, with tool set, EU | 50.200 kg | 1  | 1000001712 |



### 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 length, with tool set, EU | 51.900 kg | 1  | 1000001713 |
| RODRUM L 20, 20 m spiral length, with tool set, EU | 68.000 kg | 1  | 1000001714 |



### 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.        | Accessories                                | Weight    | No.        |
|--------------------------------------------------|----------|------------|--------------------------------------------|-----------|------------|
| Straight auger, 20 mm <sup>1</sup>               | 0.320 kg | 1500002253 | Forked cutter 80, 20 mm <sup>1</sup>       | 0.150 kg  | 1500002263 |
| Funnel auger, 20 mm <sup>1</sup>                 | 0.550 kg | 1500002254 | Forked cutter 100, 20 mm <sup>1</sup>      | 0.200 kg  | 1500002264 |
| Bulb auger, 20 mm <sup>1</sup>                   | 0.400 kg | 1500002255 | Two-way root cutter 65, 20 mm <sup>1</sup> | 0.390 kg  | 1500002265 |
| Retrieving auger, 20 mm <sup>1</sup>             | 0.120 kg | 1500002256 | Two-way root cutter 90, 20 mm <sup>1</sup> | 0.460 kg  | 1500002266 |
| Peak-head auger, 20 mm <sup>1</sup>              | 0.400 kg | 1500002257 | Spiral 13 × 15 with inner core             | 10.800 kg | 1500002271 |
| Cross-blade cutter 50, 20 mm <sup>1</sup>        | 0.160 kg | 1500002258 | Spiral 16 × 15 with inner core             | 15.500 kg | 72918      |
| Cross-blade cutter 65, 20 mm <sup>1</sup>        | 0.230 kg | 1500002259 | Spiral 20 × 20 with inner core             | 33.500 kg | 1500002268 |
| Cross-blade cutter 90, 20 mm <sup>1</sup>        | 0.390 kg | 1500002260 | RODRUM tool kit 16 mm                      |           | 1000001731 |
| Chain-spinning head 4 chains, 20 mm <sup>1</sup> | 0.300 kg | 1500002261 | RODRUM tool kit 20 mm                      |           | 1000001732 |
| Forked cutter 60, 20 mm <sup>1</sup>             | 0.100 kg | 1500002262 |                                            |           |            |

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 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

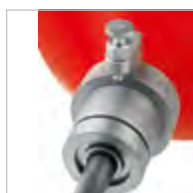


No. 72638

| 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 |

**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 |

**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 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 |

**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 750 / 80 / 100 SP / R 140 B

### Application Benefits

- Prevents contamination and damage



| Model                                                            | Weight   | PU | No.   |
|------------------------------------------------------------------|----------|----|-------|
| Spiral guide hose for R 750, for spiral 32 mm, spiral-length 4 m | 4.100 kg | 1  | 72559 |

## Spiral guide hose for R 600 / 650

### Application Benefits

- Prevents contamination and damage



| Model                                                                  | Weight   | PU | No.   |
|------------------------------------------------------------------------|----------|----|-------|
| Spiral guide hose for R 600 / 650, for spiral 22 mm, spiral-length 4 m | 2.800 kg | 1  | 72541 |

## 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 |

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## 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

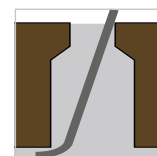
### Telescopic guide tube for kink-free insertion of pipe cleaning spirals up to 22 mm diameter in manholes

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

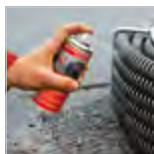
| Model                                                                                            | Weight | PU | No.   |
|--------------------------------------------------------------------------------------------------|--------|----|-------|
| Telescopic guide tube for spirals<br>Ø 16–22 mm, extended length 1,4–2,3 m, 3.000 kg<br>2 pieces |        | 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 |

## 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 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      |

## 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

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<br>many bends | Long distance<br>straight run | No clogging of the<br>spiral with dirt | Additional<br>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 |

## SMK-spirals

### Application Benefits



- Flexible spiral, for cleaning jobs with short distances with a succession of pipe bends
- Additional protection of the spiral from clogging with the plastic core



| Model                                                         | Weight   | PU | No.   |
|---------------------------------------------------------------|----------|----|-------|
| Spiral SMK, 16 mm (5/8"), length 2.3 m, wire 3 mm, R/K C 8    | 1.240 kg | 1  | 72433 |
| Spiral SMK, 22 mm (7/8"), length 4.5 m, wire 4.5 mm, R/K C 10 | 4.640 kg | 1  | 72442 |
| Spiral SMK, 32 mm (1.1/4"), length 4.5 m, wire 5 mm, R/K C 11 | 7.630 kg | 1  | 72452 |

## S-SMK-spirals

### Application Benefits



- Very stable spiral with increased wire diameter for long distances and less bends
- High rigidity, suitable for demanding work, such as root cutting, milling
- Additional protection of the spiral from clogging with the plastic core



| 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 |

## Standard spirals

### Application Benefits



- Flexible spiral, for cleaning jobs with short distances with a succession of pipe bends



| Model                                                              | Weight   | PU | No.   |
|--------------------------------------------------------------------|----------|----|-------|
| Spiral standard, 16 mm (5/8"), length 2.3 m, wire 3 mm, R/K C 8    | 1.050 kg | 1  | 72431 |
| Spiral standard, 22 mm (7/8"), length 4.5 m, wire 4.5 mm, R/K C 10 | 3.980 kg | 1  | 72441 |
| Spiral standard, 32 mm (1.1/4"), length 4.5 m, wire 5 mm, R/K C 11 | 6.290 kg | 1  | 72451 |

## S-spirals

### Application Benefits



- Very stable spiral with increased wire diameter for long distances and less bends
- High rigidity, suitable for demanding work, such as root cutting, milling



| Model                                                       | Weight   | PU | No.   |
|-------------------------------------------------------------|----------|----|-------|
| Spiral S, 16 mm (5/8"), length 2.3 m, wire 3.5 mm, R/K E 8  | 3.000 kg | 1  | 72428 |
| Spiral S, 22 mm (7/8"), length 4.5 m, wire 5 mm, R/K E 10   | 4.180 kg | 1  | 72443 |
| Spiral S, 32 mm (1.1/4"), length 4.5 m, wire 6 mm, R/K E 10 | 6.500 kg | 1  | 72453 |

## DuraFlex spirals

### Application Benefits



- Very light and flexible spirals, optimal for use with the battery-operated R600 VarioClean
- Zinc plating for extended service life



| Model                                            | Weight   | PU | No.        |
|--------------------------------------------------|----------|----|------------|
| DuraFlex spiral, SMK, 16 mm (5/8"), length 2.3 m | 0.800 kg | 1  | 1500003703 |
| DuraFlex spiral, SMK, 22 mm (7/8"), length 4.5 m | 3.800 kg | 1  | 1500003704 |

## Examples of use

### Tool expertise from ROTHENBERGER

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

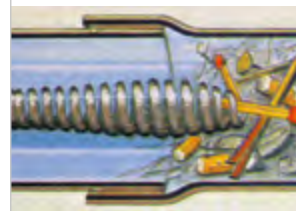
**Suitable for all ROTHENBERGER drain cleaning spirals with Ø 16 mm–5/8"; Ø 22 mm–7/8"; Ø 32 mm–1.1/4"**

See the following pages for more information on professional tools in various versions and dimensions for loosening obstructions and cleaning drains.

## Bulb auger



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



## Retrieving auger



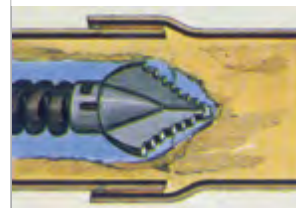
Special tool for retrieving objects from the pipe, e.g. textiles, spirals or tools



## Cross-blade cutter, serrated



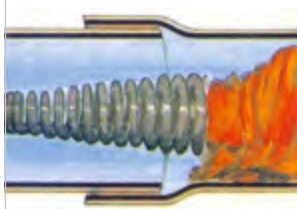
Special tool for opening up solidified pipe obstructions



## Funnel auger



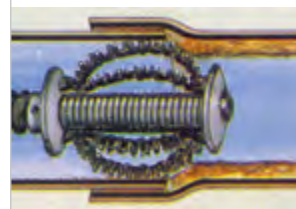
Tool for removing, opening or retrieving obstructions caused by, e.g. textiles



## Chain-spinning head



For concrete, cast iron and ceramic pipes. Intensive action.



## Spade head cutter



Ideally suited for slit or sludge deposits in pipes, and as a follow-up tool



## Carbide-tipped cutters



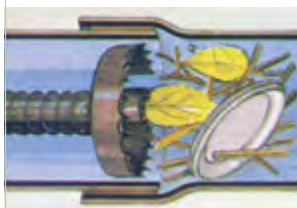
This carbide-tipped tool is used to remove the hardest obstructions such as cement, urine and water scale etc.



## Spiral sawtooth cutter



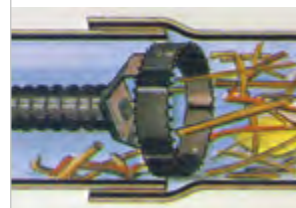
Special tool for chopping up small roots and other material that have become caught in the pipe



## Two-way root cutter



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



## Bulb auger long

### Application Benefits

- With the longer, more flexible range the bulb auger is considerably more flexible in curves. Pipe from Ø 40 mm



| Model                                                           | Weight   | PU | No.   |
|-----------------------------------------------------------------|----------|----|-------|
| Bulb auger long, coupling 16 mm (5/8"), working range 40–75 mm  | 0.220 kg | 1  | 72158 |
| Bulb auger long, coupling 22 mm (7/8"), working range 50–100 mm | 0.464 kg | 1  | 72208 |

## Straight auger

### Application Benefits

- Standard tool for investigating the nature of an obstruction
- For piercing or drilling through obstructions caused by textiles, paper, cellulose materials, kitchen refuse etc.
- For removing samples to determine a suitable clearing tool



| Model                                                            | Weight   | PU | No.   |
|------------------------------------------------------------------|----------|----|-------|
| Straight auger coupling 16 mm (5/8"), working range 40–75 mm     | 0.060 kg | 1  | 72161 |
| Straight auger coupling 22 mm (7/8"), working range 75–100 mm    | 0.170 kg | 1  | 72221 |
| Straight auger coupling 32 mm (1.1/4"), working range 100–250 mm | 0.350 kg | 1  | 72321 |

## Funnel auger

### Application Benefits

- For removing or opening up obstructions caused by textiles or paper
- Large grasping ability can also be used to retrieve spirals from drains



| Model                                                          | Weight   | PU | No.   |
|----------------------------------------------------------------|----------|----|-------|
| Funnel auger coupling 16 mm (5/8"), working range 50–100 mm    | 0.080 kg | 1  | 72165 |
| Funnel auger coupling 22 mm (7/8"), working range 110–150 mm   | 0.280 kg | 1  | 72222 |
| Funnel auger coupling 32 mm (1.1/4"), working range 100–250 mm | 0.500 kg | 1  | 72322 |

## Bulb auger short

### Application Benefits

- Suitable for tight pipe bends
- Standard, highly flexible tool for clearing light textile and paper obstructions



| Model                                                              | Weight   | PU | No.   |
|--------------------------------------------------------------------|----------|----|-------|
| Bulb Auger short, coupling 16 mm (5/8"), working range 40–75 mm    | 0.070 kg | 1  | 72163 |
| Bulb Auger short, coupling 22 mm (7/8"), working range 75–100 mm   | 0.220 kg | 1  | 72263 |
| Bulb Auger short, coupling 32 mm (1.1/4"), working range 75–250 mm | 0.490 kg | 1  | 72363 |

## Retrieving auger

### Application Benefits

- Special tool designed with a claw for retrieving textiles, tools, spirals etc



| Model                                                             | Weight   | PU | No.   |
|-------------------------------------------------------------------|----------|----|-------|
| Retrieving auger coupling 16 mm (5/8"), working range 50–75 mm    | 0.035 kg | 1  | 72162 |
| Retrieving auger coupling 22 mm (7/8"), working range 75–150 mm   | 0.110 kg | 1  | 72203 |
| Retrieving auger coupling 32 mm (1.1/4"), working range 75–250 mm | 0.240 kg | 1  | 72325 |

## Drop-head auger

### Application Benefits

- Ideal for particularly tight pipe bends, branches and small-diameter drain downpipes



| Model                                                          | Weight   | PU | No.   |
|----------------------------------------------------------------|----------|----|-------|
| Drop-head auger coupling 16 mm (5/8"), working range 50–75 mm  | 0.060 kg | 1  | 72159 |
| Drop-head auger coupling 22 mm (7/8"), working range 60–100 mm | 0.180 kg | 1  | 72264 |



### Four-blade cutter

#### Application Benefits

- For cutting through and removing tough obstructions
- For the removal of sludge deposits
- Ideal with S-spirals

| <div>  <div>No. 72154</div> </div> <div>  <div>No. 72164</div> </div> |          |    |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----|-------|
| Hardened spring steel blades!                                                                                                                                                                                                           |          |    |       |
| 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 |

### Spade head cutter

#### Application Benefits

- Curved special tool for silt and sludge deposits

|  <div>No. 72261</div> |          |    |       |
|----------------------------------------------------------------------------------------------------------|----------|----|-------|
| Model                                                                                                    | Weight   | PU | No.   |
| Coupling 22 mm (7/8"), working range 100–150 mm                                                          | 0.150 kg | 1  | 72261 |
| Coupling 32 mm (1.1/4"), working range 100–150 mm                                                        | 0.250 kg | 1  | 72360 |

### Grease cutter

#### Application Benefits

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



| Model                                          | Weight   | PU | No.   |
|------------------------------------------------|----------|----|-------|
| Coupling 16 mm (5/8"), working range 40–75 mm  | 0.030 kg | 1  | 72169 |
| Coupling 16 mm (5/8"), working range 50–75 mm  | 0.040 kg | 1  | 72170 |
| Coupling 16 mm (5/8"), working range 60–100 mm | 0.050 kg | 1  | 72171 |
| Coupling 22 mm (7/8"), working range 60–125 mm | 0.080 kg | 1  | 72234 |

### Spiral sawtooth cutter

#### Application Benefits

- Special tool for chopping up small roots, branches and other materials
- Not suitable for plastic pipes!



| Model                                            | Weight   | PU | No.   |
|--------------------------------------------------|----------|----|-------|
| Coupling 16 mm (5/8"), working range 50–75 mm    | 0.040 kg | 1  | 72166 |
| Coupling 22 mm (7/8"), working range 75–100 mm   | 0.100 kg | 1  | 72229 |
| Coupling 32 mm (1.1/4"), working range 75–100 mm | 0.210 kg | 1  | 72329 |

### Cross-blade cutter, serrated

#### Application Benefits

- 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!



| 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

#### Application Benefits

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



No. 72284



Improved mobility!

| Model                                           | Weight   | PU | No.     |
|-------------------------------------------------|----------|----|---------|
| <b>Without ring, with 2 chains</b>              |          |    |         |
| 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   |
| <b>Without ring, with 4 chains</b>              |          |    |         |
| 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!

### Without ring, with 2 or 4 chains and spikes

| Model                                                                                                           | Weight   | PU | No.   |
|-----------------------------------------------------------------------------------------------------------------|----------|----|-------|
| <b>Without ring, with 2 chains</b>                                                                              |          |    |       |
| 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 |
| <b>Without ring, with 4 chains</b>                                                                              |          |    |       |
| 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 |



No. 72278

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 |

## Two-way root cutter

### Application Benefits

- With hardened spring steel cutter for chopping up roots in both directions
- Recommended for use with S- or SMK-spirals
- Not suitable for use with plastic pipes

### Replaceable blades!



| Model                                             | Weight   | PU | No.   |
|---------------------------------------------------|----------|----|-------|
| Coupling 22 mm (7/8"), working range 100–125 mm   | 0.250 kg | 1  | 72265 |
| Coupling 22 mm (7/8"), working range 125–200 mm   | 0.290 kg | 1  | 72266 |
| Coupling 32 mm (1.1/4"), working range 100–125 mm | 0.290 kg | 1  | 72365 |
| Coupling 32 mm (1.1/4"), working range 125–200 mm | 0.330 kg | 1  | 72366 |

## Serrated forked cutter

### Application Benefits

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

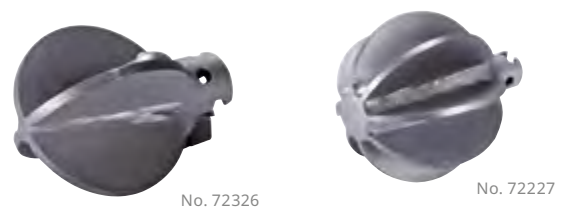


| Model                                             | Weight   | PU | No.   |
|---------------------------------------------------|----------|----|-------|
| Coupling 22 mm (7/8"), working range 100–150 mm   | 0.230 kg | 1  | 72250 |
| Coupling 22 mm (7/8"), working range 125–150 mm   | 0.240 kg | 1  | 72251 |
| Coupling 32 mm (1.1/4"), working range 120–200 mm | 0.260 kg | 1  | 72350 |
| Coupling 32 mm (1.1/4"), working range 125–200 mm | 0.240 kg | 1  | 72351 |

## Ball head cutter

### Application Benefits

- Perfectly suited for use in pipes with hard incrustations such as lime, urine scale etc.
- Suitable for downpipes, its round shape ensures excellent curve mobility even at 90°



| Model                                   | Weight   | PU | No.   |
|-----------------------------------------|----------|----|-------|
| <b>4 Blades</b>                         |          |    |       |
| 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"), range 100–125 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 |
| <b>8 Blades</b>                         |          |    |       |
| Coupl. 22 mm (7/8"), range 125–150 mm   | 1.025 kg | 1  | 72227 |
| Coupl. 22 mm (7/8"), range 125–150 mm   | 1.225 kg | 1  | 72228 |
| Coupl. 32 mm (1.1/4"), range 125–200 mm | 1.108 kg | 1  | 72327 |
| Coupl. 32 mm (1.1/4"), range 150–200 mm | 1.256 kg | 1  | 72328 |

**Tool set L, 16 mm, for R 550 / 600 / 650**
**Ø 16 mm, 10 pieces**
**RO  
CASE**

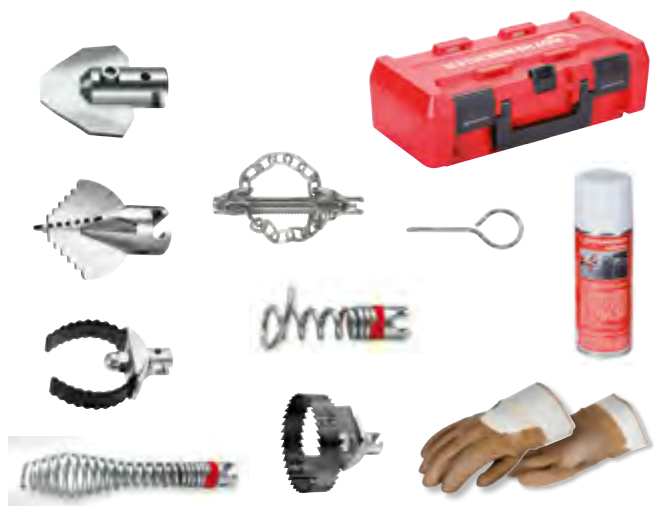

Set (No. 72936) includes: ROCASE (No. 1300003334) with inlay (No. 1300003372), separating key 16 mm (No. 72100), retrieving auger 16 mm (No. 72162), bulb auger 16 mm (No. 72163), serrated forked cutter 16 mm (No. 72164), blade cutter 16/25 mm (No. 72169), cross-blade cutter 16/45 mm (No. 72177), chain-spinning 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**
**Ø 22 mm, 11 pieces**
**RO  
CASE**


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**

Standard Ø 16 / 22 mm

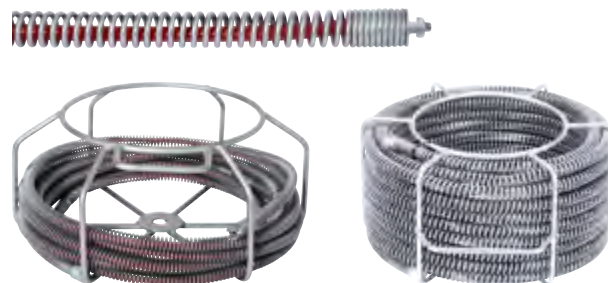


Set (No. 1500003705) includes: spiral basket 16 mm (No. 72110), 5 x 16 mm DuraFlex spirals (No. 1500003703), straight auger 16 mm (No. 72161), bulb auger 16 mm (No. 72163), blade cutter 16 / 25 mm (No. 72169), separating pin 16 mm (No. 72100), spiral basket 22 mm (No. 72112), 5 x 22 mm DuraFlex spirals (No. 1500003704), 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



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



| Model                                    | Weight   | PU | No.   |
|------------------------------------------|----------|----|-------|
| Extension negative 16 mm, positive 22 mm | 0.140 kg | 1  | 72461 |
| Extension negative 22 mm, positive 32 mm | 0.320 kg | 1  | 72463 |

Safety T-couplings

for Standard- and SMK-spirals

For the preparation of damaged spirals.

Fixing of broken spirals!

Application Benefits

- Replacing broken spiral couplings



| 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

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 delivery           | 13 l/min          |
| Rating                  | 2.3 kW            |
| Max. working length     | 20 m              |
| Speed                   | 1,400 rpm         |

Ø 150 mm



Scope of delivery: HD 13 / 100 (No. 76020), hose reel with 20 m special high-pressure hose (No. 72812) with couplings and pipe cleaning nozzle (No. 76089)

| Model       | Weight    | PU | No.   |
|-------------|-----------|----|-------|
| HD 13 / 100 | 45.000 kg | 1  | 76020 |

### HD 17 / 190

190 bar high-pressure cleaner with three-phase motor



#### Application Benefits

- Three-phase motor, self-priming up to 2 m
- Air-filled transport wheels, easy to navigate stairs

#### Technical Data

|                         |                     |
|-------------------------|---------------------|
| Max. operating pressure | 190 bar             |
| Electric motor          | Three phase (400 V) |
| Pump delivery           | 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 forward jet spray, 5 holes, R 1/4"     | 0.040 kg | 1  | 76065 |
| Pipe cleaning nozzles without forward 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 |







## Plastic pipe welding

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|                                       |         |
|---------------------------------------|---------|
| <b>Socket welding</b>                 |         |
| Socket welding units / heating plates | 304–307 |

|                    |         |
|--------------------|---------|
| <b>Accessories</b> |         |
| 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 <sup>1</sup>                                                       | Up to Ø 400 mm <sup>1</sup>                                                         | Up to Ø 160 mm <sup>1</sup>                                                          | 40–160 mm <sup>1</sup> / 40–315 mm <sup>1</sup>                                       |
| 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                                                                                   |

## 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 |
| <b>Page</b>         | <b>306</b>                   | <b>304</b>     |

## 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         |
| <b>Page</b>         | <b>307</b>     | <b>307</b>     | <b>307</b>     |

## 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          |
| <b>Page</b>         | <b>308</b> | <b>310</b>       | <b>311</b>       |

## The new generation of ROWELD hydraulic controls for butt welding

The ROWELD hydraulic butt welding machine is available in a Premium CNC, Professional and Standard Version.

### Everything at a glance ...

|                                                      | Type Premium CNC       | Type Professional      | Type Standard                   |
|------------------------------------------------------|------------------------|------------------------|---------------------------------|
| <b>Operation</b>                                     | automatic              | manual                 | manual                          |
| <b>Available sizes</b>                               | 90–630 mm              | 40–1,200 mm            | 40–1,200 mm                     |
| <b>Pressure display</b>                              | digital                | analogue               | analogue                        |
| <b>Temperature control</b>                           | optimized <sup>1</sup> | optimized <sup>1</sup> | standard                        |
| <b>Clamping system</b>                               | single                 | single                 | multilayer<br>(single optional) |
| <b>Service</b>                                       | extended               | extended               | standard <sup>2</sup>           |
| <b>Datalogging</b>                                   | 10,000 protocols       | ○                      | optional                        |
| <b>Accordance to normatives</b>                      | DVS / ISO              | DVS / ISO              | ○                               |
| <b>Weight optimized machine</b>                      | ●                      | ●                      | ○                               |
| <b>Optimized power consumption for generator use</b> | ●                      | ●                      | ○                               |
| <b>Automatic parameter calculation</b>               | ●                      | ○                      | ○                               |
| <b>CNC-control</b>                                   | ●                      | ○                      | ○                               |

1) Temperature control  $\pm 5^{\circ}\text{C}$

2) Only spare parts



## Special features ...



Fig. similar



### Type Premium CNC

- Lightweight frame and longlife components.
- Triple coating of heating elements for a longer lifetime and better heat distribution.
- Simple operation Via touch control panel.
- Full documentation of the welding process.



### Type Professional

- Lightweight frame and longlife components.
- Triple coating of heating elements for a longer lifetime and better heat distribution.



### Type Standard

- Timer and temperature controller integrated 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.

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## 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

#### 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<sup>1</sup>

| 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 |

<sup>1</sup>) ROWELD basic sets consist of: The basic unit with high-pressure hoses and 4 base clamping units, an hydraulic device, heating element, milling device, adjusting box, set of tools and transport box. The desired reduction clamping elements can be ordered separately in the desired size or as a set for the respective machine size.

## ROWELD type Professional

### Hydraulic butt welding machine Ø 40–1,200 mm

For butt welding of PE, PP and PVDF pipes and fittings on the construction site, in the pipe trench and in workshops. The hydraulic system with infinitely variable pressure adjustment, pressure accumulator and easy-to-read pressure gauge ensures reliable operation through the use of durable and low-maintenance components.

#### Working range:

| Description | 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

Fig. similar

### Application Benefits

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

#### 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<sup>1</sup>

| 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      |

<sup>1</sup>) ROWELD basic sets consist of: The basic unit with high-pressure hoses and 4 base clamping units, an hydraulic device, heating element, milling device, adjusting box, set of tools and transport box. The desired reduction clamping elements can be ordered separately in the desired size or as a set for the respective machine size.

### ROWELD type 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

#### Flexible

The 3rd basic clamping element can be moved flexibly



#### Robust, torsionally rigid frame

Allows reliable weldings in Virtually any environment

#### Simple operation

Easy monitoring of all necessary parameter



Supply of power for heating element and trimmer unit by the hydraulic. Additional plugs for external data logger (optional accessories)



Simple & save monitoring of all necessary welding parameters



Multilayer-inserts for the needed pipe sizes included in the machine sets



Angled frame sizes 450/500/630 mm ensure a better handling during the welding process



### ROWELD plastic pipe welding machines type Standard<sup>1</sup>

| Model                     | Working 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 |

<sup>1</sup>) ROWELD standard sets consist of: The basic unit with high-pressure hoses and 4 base clamping units, an hydraulic device, heating element, milling device, adjusting box, set of tools, multilayer inserts and transport box.

## Reduction inserts sets

The reduction clamp sets are made of aluminum half shells. When needed they will be fixed in the basic clamps by screws to weld pipes and fittings with smaller diameter

Reducer clamp sets are recommended for all workers who need the complete range of reducer clamps. The set includes 6 wide half shells and 2 small half shells per dimension. They are suitable for gas, water and industrial applications.

### Application Benefits

- Easy reducing the basic clamps by reducer inserts
- All possible reducer inserts are combined in a set



Reduction clamp sets



Reduction clamps wide



Reduction clamps small

| 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

#### CNC controlled welding

Entering the pipe parameters via touch display

**Exchange of the clamping jaws possible**

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



**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



Machine for workshop W315



Machine for workshop W500



Machine for workshop W800

Figures similar

| 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

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



ROWELD P110

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

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

ROCASE 4414

Additional space for tools and accessories

ROWELD Saniline No. 54004  
Fig. similar

**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

- Versatile for difficult situations with the removable heating plates
- Protects against unintentional starting and derailing of the trimmer unit
- Single and double-sided trimming possible
- Warp-resistant for minimum drag and low pressure transfer loss
- 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            |

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

Protection against unintentional start and jump-out

#### Heating element, can be taken out

Flexible, for difficult positions

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

#### Stop adjustable on both sides

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



ROWELD P250A

#### 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 continuous 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 accessory
- 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      |

## 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



### 3 m welding cable

Big working radius

### Robust housing

Robust

### Clear illuminated display

Visual control of welding process

### Simple and intuitive operation

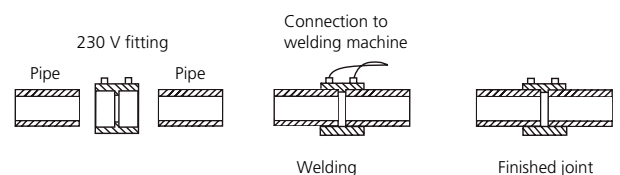
Icon-based software control with automatic welding parameter recognition



90° angled plugs



Robust packaging in ROCASE



| Model                            | Weight   | PU | No.        |
|----------------------------------|----------|----|------------|
| ROWELD ROFUSE SANI 315 230 V     | 1.500 kg | 1  | 1500002598 |
| ROWELD ROFUSE SANI 315 in ROCASE | 3.900 kg | 1  | 1000002631 |
| ROFUSE SANI 160 / 315 230 V, CH  | 1.200 kg | 1  | 054230Z    |
| ROWELD ROFUSE SANI 160 in ROCASE | 2.400 kg | 1  | 1000002630 |

#### ROWELD P63 S-6 Sword

##### Socket welder Ø 20–63 mm

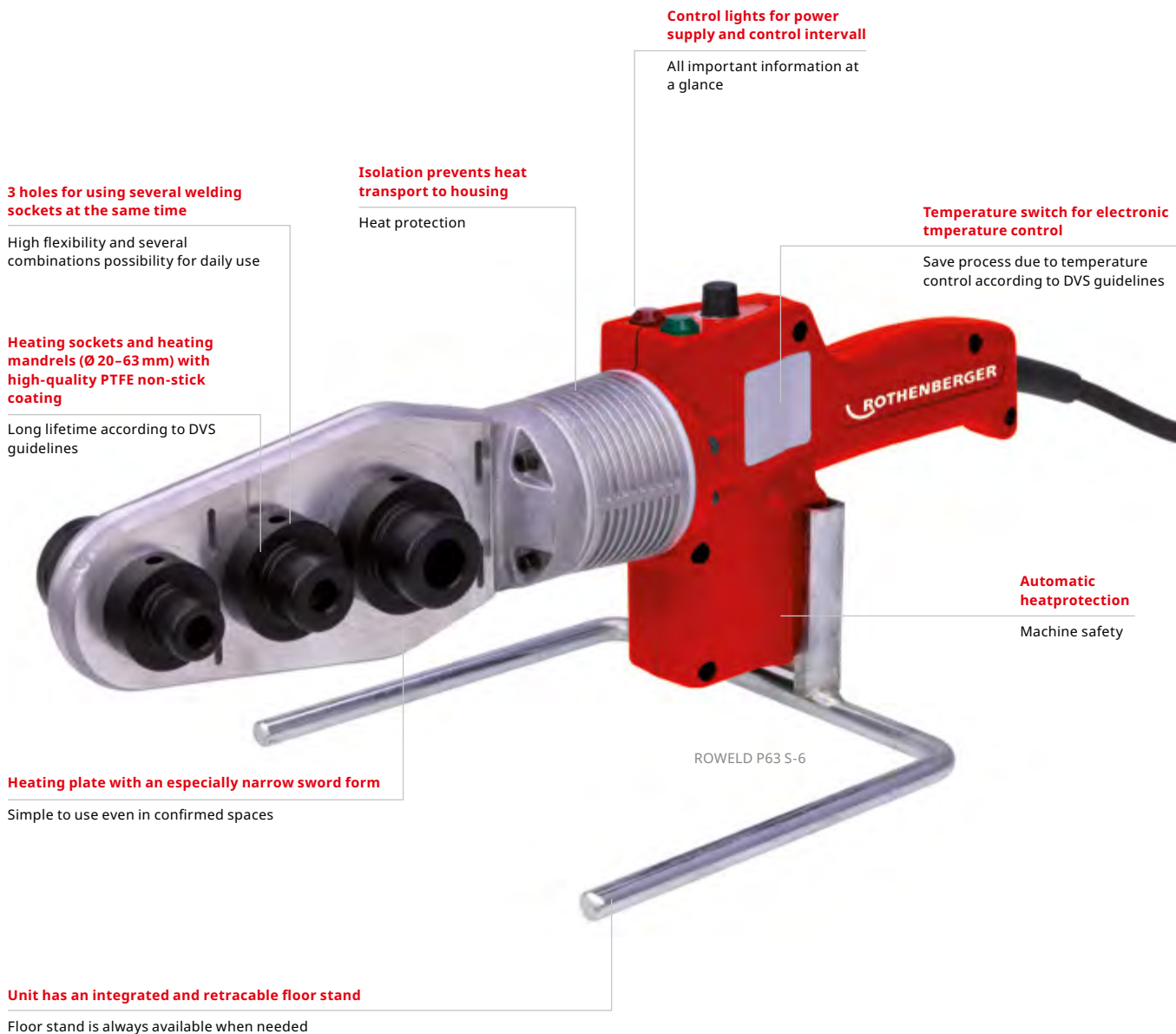
socket welder for fittings Ø 20–63 mm. Up to 3 welding combinations are possible at the same time.

##### Application Benefits

- High flexibility and combination possibilities in daily use
- Long lifetime according to DVS guidelines
- All important informations at a glance
- Process safety due to temperature control according to DVS 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                    |



**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 temperature control in accordance to DVS, CEN and ISO standards
- With high quality PTFE non-stick coating, long lifetime in accordance to DVS guidelines
- Electronic temperature control as well as protection against unintentional adjustment of the temperature
- Saving time and costs due to heating plate quick change system
- Optimized temperature all over the working range
- 4 holes for welding socket and mandrels



ROWELD P125 Socket Welder

Heating spigots / Heating sockets



| Model                                                  | Weight    | PU | No.   |
|--------------------------------------------------------|-----------|----|-------|
| ROWELD P125 bare tool electronic, 110 V                | 3.100 kg  | 1  | 55322 |
| ROWELD P125 bare tool electronic, 230 V                | 3.100 kg  | 1  | 55321 |
| ROWELD P125 set elektronik, 63–125 mm, 230 V           | 17.050 kg | 1  | 55546 |
| Adaptor plates with non-stick Teflon coating, 2 pieces | 1.150 kg  | 1  | 55536 |
| Floor stand                                            | 0.440 kg  | 1  | 55539 |

### Heating spigots and sockets for ROWELD P125

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

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



| Model                                    | Weight   | PU | No.   |
|------------------------------------------|----------|----|-------|
| Heating spigots / Heating sockets 16 mm  | 0.060 kg | 1  | 55585 |
| Heating spigots / Heating sockets 18 mm  | 0.080 kg | 1  | 55587 |
| Heating spigots / Heating sockets 19 mm  | 0.080 kg | 1  | 55588 |
| Heating spigots / Heating sockets 20 mm  | 0.080 kg | 1  | 55589 |
| Heating spigots / Heating sockets 25 mm  | 0.100 kg | 1  | 55590 |
| Heating spigots / Heating sockets 32 mm  | 0.170 kg | 1  | 55591 |
| Heating spigots / Heating sockets 40 mm  | 0.260 kg | 1  | 55592 |
| Heating spigots / Heating sockets 50 mm  | 0.370 kg | 1  | 55593 |
| Heating spigots / Heating sockets 63 mm  | 0.600 kg | 1  | 55594 |
| Heating spigots / Heating sockets 90 mm  | 1.330 kg | 1  | 55596 |
| Heating spigots / Heating sockets 110 mm | 2.070 kg | 1  | 55597 |
| Heating spigots / Heating sockets 125 mm | 2.330 kg | 1  | 55598 |

## ROWELD HE heating plates

**Butt welding heating element for pipes and fittings made of PE, PP and PVDF with Ø 20-250 mm**

Heating elements with high-quality PTFE non-stick coating for flexible working on the pipeline or stationary working on the workbench with table clamp piece.

### 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 regulation and control as well as protection against 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

| Model                               | Weight   | PU | No.        |
|-------------------------------------|----------|----|------------|
| Peeling device,<br>20–75 mm         | 2.300 kg | 1  | 1500004346 |
| Peeling device,<br>90–315 mm        | 6.900 kg | 1  | 1500004347 |
| Peeling device,<br>180–400 mm       | 9.900 kg | 1  | 1500004348 |
| Rotary peeling chain,<br>200–800 mm | 9.600 kg | 1  | 1500004349 |



No. 1500004346



No. 1500004347



No. 1500004348



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

| 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 |



Re-Rounding clamp

## ROCUT UKS 160 / 355

High performance orbital circular saw

For cutting plastic pipes made of PE, PP and PVC at construction site and workshop.

### Application Benefits

- Offset-free and right-angled cutting
- Efficient working, high speed cutting
- Safety work due to sawblade protection
- Optimal pipe centering

### Technical Data

|                       |                         |
|-----------------------|-------------------------|
| Input power           | 1,750 W                 |
| Voltage               | 230 V                   |
| Working area diameter | 160–355 mm              |
| Power plug type       | Plug type F (CEE 7 / 4) |
| Mains frequency       | 50 / 60 Hz              |



### Sawblade protection

Safe operation



Circular saw

### Central clamping

Perfect pipe centering

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



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



### Rubberised guide rollers

Right-angled cuts with no misalignment

| 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

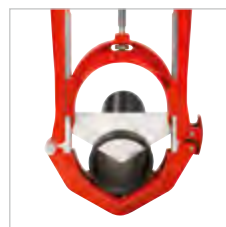
### Technical Data

|                       |          |
|-----------------------|----------|
| Working area diameter | < 315 mm |
| Cutting material      | PE       |

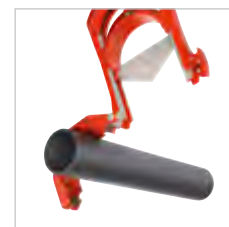


ROCUT XL 125

An optimised cutting angle for easier pipe cutting



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



| Model               | Weight    | PU | No.        |
|---------------------|-----------|----|------------|
| ROCUT XL 125 mm 4"  | 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 |

## Plastic pipe chamfering unit

**With replaceable blades Ø 16–160 mm For 15° outer chamfers on plastic pipe**

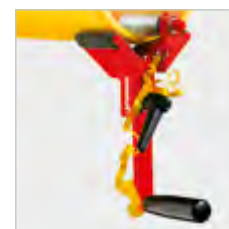
With this tool 15° chamfers can easily be produced on plastic pipes.

### 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 |









## Refrigeration and air-conditioning technology

|                                            |                |
|--------------------------------------------|----------------|
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### Complete solutions

|                                              | ROKLIMA MULTI 4F                                                                  | ROCADDY 120 R32 Analog<br>ROCADDY 120 R32 CL Analog                                | ROCADDY 120 R32 Digital<br>ROCADDY 120 R32 CL Digital                               |
|----------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                              |  |  |  |
| Refrigerants class A1<br>(R134a, R410A etc.) | ●                                                                                 | ●                                                                                  | ●                                                                                   |
| Refrigerants class A2<br>(R32, R1234yf etc.) | ○                                                                                 | ●                                                                                  | ●                                                                                   |
| CO <sub>2</sub> subcritical (R744)           | ○                                                                                 | ○                                                                                  | ●                                                                                   |
| System size                                  | < 24 kW                                                                           | < 24 kW                                                                            | < 24 kW                                                                             |
| <b>Page</b>                                  | <b>316</b>                                                                        | <b>318</b>                                                                         | <b>318</b>                                                                          |

### Refrigeration circuit control

|                                              | ROCOOL 600                                                                          | 2- and 4-ways<br>manifold<br>connection 5/16"                                                | 2- and 4-ways<br>manifold<br>connection 1/4"                                                  | Pressure hoses                                                                        |
|----------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                              |  |  |  |  |
| Refrigerants class A1<br>(R134a, R410A etc.) | ●                                                                                   | ●                                                                                            | ●                                                                                             | ●                                                                                     |
| Refrigerants class A2<br>(R32, R1234yf etc.) | ●                                                                                   | ●                                                                                            | ○                                                                                             | ●                                                                                     |
| CO <sub>2</sub> subcritical (R744)           | ●                                                                                   | ○                                                                                            | ○                                                                                             | ●                                                                                     |
| System size                                  | all                                                                                 | all                                                                                          | all                                                                                           | all                                                                                   |
| <b>Page</b>                                  | <b>319</b>                                                                          | <b>320</b>                                                                                   | <b>320</b>                                                                                    | <b>321</b>                                                                            |

## Evacuation

|                                              | ROAIRVAC<br>R32 1.5                                                               | ROAIRVAC<br>R32 CL 2.0                                                            | ROAIRVAC<br>R32 3.0                                                               | ROAIRVAC<br>R32 CL 5.0                                                             | ROAIRVAC<br>R32 6.0                                                                 | ROAIRVAC<br>R32 9.0                                                                 |
|----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                              |  |  |  |  |  |  |
| Refrigerants class A1<br>(R134a, R410A etc.) | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
| Refrigerants class A2<br>(R32, R1234yf etc.) | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
| CO <sub>2</sub> 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<br>(R134a, R410A etc.) | ●                                                                                   | ●                                                                                     |
| Refrigerants class A2<br>(R32, R1234yf etc.) | ○                                                                                   | ●                                                                                     |
| Refrigerants class A3<br>(R290, R650a etc.)  | ○                                                                                   | ●                                                                                     |
| CO <sub>2</sub> 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.

#### 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 transport

#### 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 storage 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

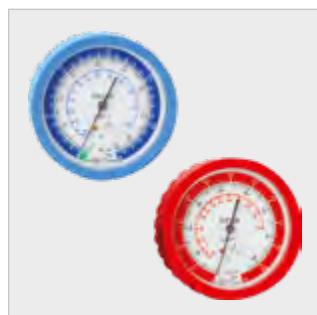
#### Plastic capillary hose

Safe, leak-free filling due to shut-off valve



13

Shock-resistant low pressure and high pressure gauges for various refrigerants



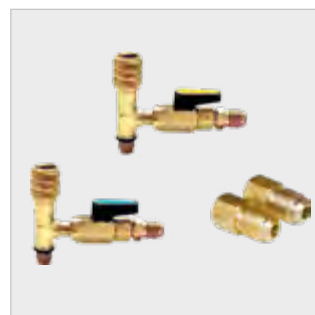
Secure storage of all accessories



Pressure hoses: 2.5 m long with shut-off valve



Bottle adaptor No. 173204/05 for scale and 1/4" reducing pieces

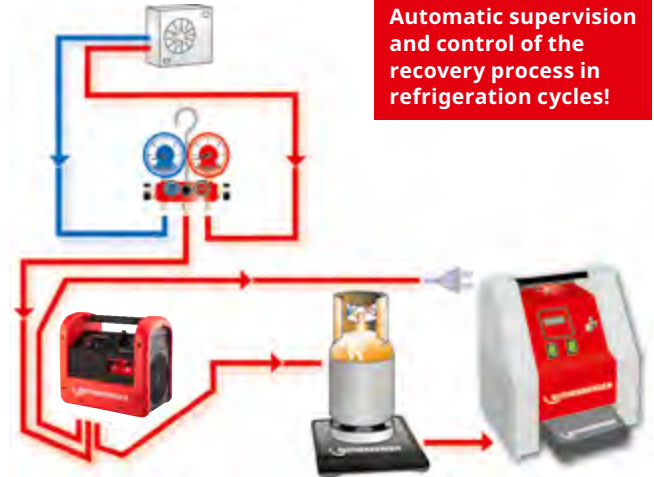


## ROKLIMA MULTI 4F

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×reducer pieces 1/4" SAE F-5/16" SAE M (No. 170016), precision digital scale up to 100 kg, automatic control, vacuum and pressure switch, mineral oil (No. 169200)

Secure storage of accessories: pressure hoses bottle adaptor, plastic capillary hose

Precision scale up to 100 kg  
Resolution: 10 g  
Accuracy: ± 1 %



| Model                                    | Weight    | PU | No.        |
|------------------------------------------|-----------|----|------------|
| ROKLIMA MULTI 4F                         | 17.000 kg | 1  | 1000000138 |
| Reducer pieces<br>1/4" SAE F-5/16" SAE M | 0.100 kg  | 1  | 170016     |

Ergonomic and compact



Light



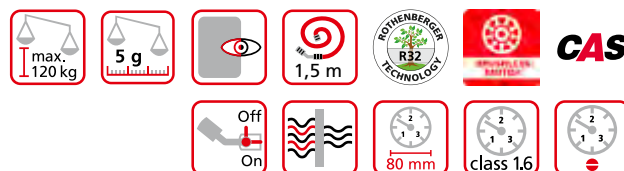


**ROCADDY 120 R32 (CL) Analog / Digital****Universal sets for evacuation and charging**

The universal set ROCADDY is suitable for the installation, maintenance and repair of refrigeration and air conditioning systems and heat pumps.

**Application Benefits**

- Everything you need within reach
- Flexible use with the individual use of the tools
- Easy to transport
- Electronic digital scale ROSCALE 120 with a weighing capacity of 120 kg and a measuring accuracy per measuring step of 5 g
- 2-stage high vacuum pump ROAIRVAC (corded / accumulator) with integrated vacuum gauge and solenoid check valve



- 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" SAEF-1/4" SAE M (No. 89501), 2 × 5/16" SAEF-1/4" SAE M (No. 01700RD), 5/16" SAEF-1/4" SAE F (No. 170016), bottle connection 1/4" (No. 173205), bottle connection 5/16" (No. 173204), mineral oil (0,4I), TUBE CUTTER 35 (No. 70027), MINICUT II PRO (No. 70402), transport case (No. 169051)

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" SAEF-1/4" SAE M (No. 89501), 2 × 5/16" SAEF-1/4" SAE M (No. 01700RD), 5/16" SAEF-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 (0,4I), 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 R32 |           |    |            |
| ROCADDY 120 R32 Analog          | 20.000 kg | 1  | 1000002560 |
| ROCADDY 120 R32 Digital         | 19.000 kg | 1  | 1000002561 |

| 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

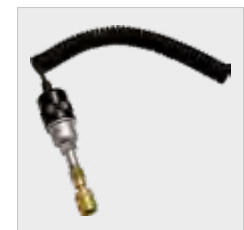
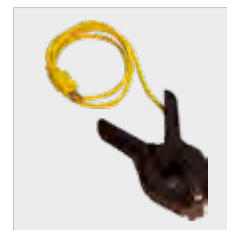
#### Connection of the Red Box

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

Set (No. 1000000539) includes: Red box, data viewer software, connection cable, external power supply

| 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 |

| Model                                                      | Weight   | PU | No.        |
|------------------------------------------------------------|----------|----|------------|
| Red box, software, connection cable, external power supply | 0.338 kg | 1  | 1000000539 |
| Temperature sensor                                         | 0.120 kg | 1  | 1000000540 |
| Vacuum probe                                               | 0.155 kg | 1  | 1000000541 |

Analog manifolds

2- and 4-way manifolds

The ROTHENBERGER 4-way manifolds are used for the commissioning and maintenance of air conditioning and refrigeration systems as well as heat pumps.

Pressure gauge 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 |

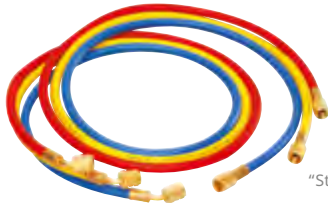


### 3-piece pressure hose sets

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 |
| <div>R22</div> <div>R134a</div> <div>R407C</div> <div>R404A</div> |          |    |            |
| 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 |
| <div>R410A</div> <div>R32</div>                                   |          |    |            |
| 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 |

### Tool set Climate I and II

Practical tool set with all tools required

For the installation and maintenance of refrigeration systems and heat pumps.

#### Application Benefits

- Monitor temperature and pressure
- Quality hoses with high bursting pressure
- Pipe cutter for all pipe cross-sections from 3–35 mm (1/8"–1.1/8")
- Measurement of ambient and ventilator air temperature
- Clean, kink-free bending of all common pipe cross-sections
- Optimum flaring connections for all types of air-conditioner

**Set Climate I (No. 170604) includes:** 2-way manifold (No. 170501), set of pressure hoses standard 1/4" SAE, TUBE CUTTER 35 C (No. 070027C), MINICUT pipe cutter (No. 070401C), thermometer, set of bending springs 3/8"–1/2"–5/8", universal flaring tool (No. 222601), plastic case

**Set Climate II (No. 170605) includes:** 2-way manifold (No. 1000001426), set of pressure hoses standard 5/16" SAE, TUBE CUTTER 35 C (No. 070027C), MINICUT pipe cutter (No. 070401C), thermometer, set of bending springs 3/8"–1/2"–5/8", reeling flaring tool (No. 222402), plastic case

| Model               | Weight   | PU | No.    |
|---------------------|----------|----|--------|
| Tool set Climate I  | 2.300 kg | 1  | 170604 |
| Tool set Climate II | 2.400 kg | 1  | 170605 |



R410A R32 R22 R134a R407C R404A



"Plus" series

| "Plus" series with ball valve                                     | Weight   | PU | No.        |
|-------------------------------------------------------------------|----------|----|------------|
| <div>R22</div> <div>R134a</div> <div>R407C</div> <div>R404A</div> |          |    |            |
| 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 |
| <div>R410A</div> <div>R32</div>                                   |          |    |            |
| 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 |

The ideal introduction into a whole new area of business!



R32 R22 R407C R404A



No. 170604



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 cm<sup>3</sup> nitrogen bottle included—complete set



Ideal for split air-conditioning units and heat pumps!



950 cm<sup>3</sup> nitrogen bottle included

Complete Set can be used without large Nitrogen bottle

Spring loaded pressure reducing valve

Simple and safe handling

Fine scaled 1.0 pressure gauge

Precise reading of the testing pressure

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 cm<sup>3</sup> 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 cm <sup>3</sup> | 2.900 kg | 1  | 259018     |
| Nitrogen bottle à 950 cm <sup>3</sup>   | 1.235 kg | 6  | 259008     |

ROLEAK PRO

Electronic leak detection device for locating leaks in refrigeration systems (3 g/a)

Application Benefits

- Durable and highly sensitive sensor tip with a leak detection rate of 3 g/a within 3 seconds
- Suitable for R32
- Simple determination of the refrigerant concentration
- Adjustment of the sensor tips zero measurement point for simple detection of the leak
- Reference leak for functionality test included
- Easy accessibility of even hard to reach leaks



|       |     |       |       |       |       |     |
|-------|-----|-------|-------|-------|-------|-----|
| R410A | R22 | R134a | R407C | R404A | R507A | R32 |
|-------|-----|-------|-------|-------|-------|-----|

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 |

**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**

|               | <b>R32 2.0 CL</b>        | <b>R32 5.0 CL</b>        |
|---------------|--------------------------|--------------------------|
| 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                   |

**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

**Battery LED indicator**

Easy management of remaining battery power

**Multiple battery systems**

Suitable for AMPShare or CAS battery systems

**Brushless motor**

For wear-free working and a longer life time

**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**

|                                                          | <b>Weight</b> | <b>PU</b> | <b>AMPShare-No.</b> | <b>CAS-No.</b> |
|----------------------------------------------------------|---------------|-----------|---------------------|----------------|
| 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     |

## 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





Evacuation

ROAIRVAC series

| Typ           | ROAIRVAC R32 1.5                   | ROAIRVAC R32 3.0                   | ROAIRVAC R32 6.0                     | ROAIRVAC R32 9.0                     |
|---------------|------------------------------------|------------------------------------|--------------------------------------|--------------------------------------|
| No.           | 1000002399                         | 1000002713                         | 1000001231                           | 1000002714                           |
| Pump rating   | 1.5 CFM / 42 l / min /<br>2.5 m³/h | 3.0 CFM / 85 l / min /<br>5.1 m³/h | 6.0 CFM / 170 l / min /<br>10.2 m³/h | 9.0 CFM / 255 l / min /<br>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<br>fluid: 1.85 kg/min<br>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**

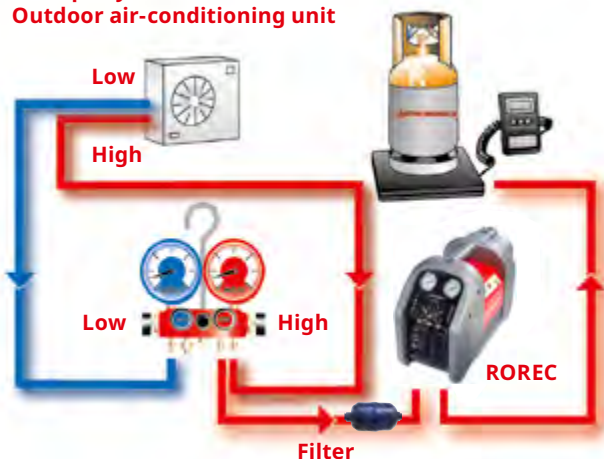
Protects the unit from overheating

**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 |

ROREC Pro A3

Refrigerant extractor

Refrigerant extraction unit with high extraction capacity for complete emptying of refrigeration and air conditioning systems.

Application benefits

- Explosion-proof: Suitable for refrigerants of classes A1, A2L, A2 and A3 (e. g. R290)
- Compact design and weight of less than 12 kg
- Digital display and one-button operation
- Maintenance-free operation due to oil-free 2-piston compressor
- 4-pole motor guarantees longevity of the machine
- Automatic shutdown and automatic start as soon as the pressure rises again
- Draining of refrigerant residues through PURGE function

Digital display

Clearly structured display of the measured pressure values

Low pressure switch

Automatic shut-off and automatic restart once the pressure increases again

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     |

Technical data

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| Recovery rate         | gaseous: 0.5 kg/min; 30 kg/h<br>fluid: 3.5 kg/min; 210 kg/h<br>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                                                                                      |





## 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.    |
|---------------------------------------------------|----------|----|--------|
| <b>R32</b> 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 |





## SANIFRESH

### Deodorising cleaning spray

#### Application Benefits

- Removes the threat of disease and allergies—practical and ecologically friendly solution for removing mites, dust, bacteria and spores
- Spray is applied directly to affected surface
- Economical spray can with spray nozzle and spray tube
- Removes unpleasant odours. Pleasant mint smell



| Model                | Weight   | PU | No.   |
|----------------------|----------|----|-------|
| SANIFRESH 12 bottles | 3.960 kg | 1  | 85800 |

## Bottle connection and adaptors

### For refrigerant bottles

For use with new refrigerant bottles on existing equipment



| Model                                                                     | No.        |
|---------------------------------------------------------------------------|------------|
| Adapter 1/2" to 1/4" SAE                                                  | 170901     |
| Adaptor 1/4" SAE M, 5/16" SAE F, with valve trigger                       | 01700RD    |
| Adapter 1/4" SAE F to 5/16" SAE, M connection                             | 170016     |
| Adapter 1/4" SAE M, 3/8" SAE F                                            | 89501      |
| Adapter 3/8" SAE M, 1/4" SAE F                                            | 89503      |
| Bottle adapter 1/4" connection                                            | 173205     |
| Bottle adapter 5/16" connection                                           | 173204     |
| Bottle adapter W21.8 × 1/4" SAE, M connection, seal for 2 l sized bottles | 170950     |
| Bottle adapter W21, 8 × 1/4" SAE, M connection (left)                     | 1500003381 |
| 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!**



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<br>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



Fig. similar

| Model                                           | Weight   | PU | No.    |
|-------------------------------------------------|----------|----|--------|
| Plate fin comb<br>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 (HFCW refrigerant)                 | CHCLF <sub>2</sub>                | 0.05 | 1,810 |                   |
| R134a (HFCW-chlorine-free refrigerant) | CF <sub>3</sub> CH <sub>2</sub> F | 0    | 1,430 |                   |
| R32 (HFCW-chlorine-free refrigerant)   | CH <sub>2</sub> F <sub>2</sub>    | 0    | 675   |                   |
| R404A (HFCW-chlorine-free blends)      | 52 % R143a, 44 % R125, 4 % R134a  | 0    | 3,922 |                   |
| R507 (HFCW-chlorine-free blends)       | 50 % R143a, 50 % R125             | 0    | 3,985 |                   |
| R407C (HFCW-chlorine-free blends)      | 23 % R32, 25 % R125, 52 % R134a   | 0    | 1,774 | 7.5 K             |
| R410A (HFCW-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<br>mm / inch | Metric   | Wall thickness<br>mm / inch | Flare outer diameter with<br>R22-, R134a-, R404-, R407C<br>air-conditioners | Flare outer diameter with<br>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:  $^{\circ}\text{C} \times 1.8 + 32 = ^{\circ}\text{F}$ Conversion from °F in °C:  $(^{\circ}\text{F} - 32) : 1.8 = ^{\circ}\text{C}$ 

| °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<br>(max. mm) | Internal diameter<br>(min. mm) | Lodes per inch | Increment<br>(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             |
| 1 1/16"-14 |            | 26.947                      | 25.024                         | 14             | 1.814             |
| 1 1/8"-12  |            | 28.529                      | 26.284                         | 12             | 2.117             |
| 1 1/4"-12  | 7/8"       | 31.704                      | 29.459                         | 12             | 2.117             |
| 1 3/8"-12  |            | 34.877                      | 32.634                         | 12             | 2.117             |
| 1 1/2"-12  | 1"         | 38.052                      | 35.809                         | 12             | 2.117             |









## Universal tools

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#### Pliers

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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 |                  |              |              |                  |                  |
| Page          | 342                   | 342              | 342          | 342          | 342              | 342              |

## ROGRIP pliers

ROGRIP F 10" 1K

ROGRIP F 10" 2K

ROGRIP XL

## Water pump pliers

SP 7"

SP 10"

SP 12"



|               |                       |              |                   |                       |                  |                  |
|---------------|-----------------------|--------------|-------------------|-----------------------|------------------|------------------|
| Working range | Ø 60 mm (2")          | Ø 60 mm (2") | Ø 102 mm (3.1/2") | Ø 34 mm (1")          | Ø 43 mm (1.1/4") | Ø 48 mm (1.1/2") |
| Length        | 254 mm (10")          | 254 mm (10") | 440 mm (16")      | 175 mm (7")           | 250 mm (10")     | 300 mm (12")     |
| Weight        | 0.470 kg              | 0.480 kg     | 1.400 kg          | 0.150 kg              | 0.290 kg         | 0.460 kg         |
| Material      | Chrome vanadium steel |              |                   | Chrome vanadium steel |                  |                  |
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## Water pump pliers

SPK 7"

SPK 10"

SPK 12"

## Corner pipe wrenches 45°

„Super S" 10"

„Super S" 12"



|               |                       |                  |                  |                       |              |
|---------------|-----------------------|------------------|------------------|-----------------------|--------------|
| Working range | Ø 34 mm (1")          | Ø 43 mm (1.1/4") | Ø 48 mm (1.1/2") | Ø 22 mm (1/2")        | Ø 34 mm (1") |
| Length        | 175 mm (7")           | 250 mm (10")     | 300 mm (12")     | 250 mm (10")          | 300 mm (12") |
| Weight        | 0.165 kg              | 0.315 kg         | 0.475 kg         | 0.400 kg              | 0.810 kg     |
| Material      | Chrome vanadium steel |                  |                  | Chrome vanadium steel |              |
| Page          | 345                   | 345              | 345              | 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"



### One-handed pipe wrench ALUDUR

ALUDUR 10"



ALUDUR 14"



ALUDUR 18"



|               |                       |                       |                  |              |                  |
|---------------|-----------------------|-----------------------|------------------|--------------|------------------|
| Working range | Ø 168 mm (6")         | Ø 203 mm (8")         | Ø 48 mm (1.1/2") | Ø 60 mm (2") | Ø 73 mm (2.1/2") |
| Length        | 1,200 mm (48")        | 1,500 mm (60")        | 250 mm (10")     | 350 mm (14") | 450 mm (18")     |
| Weight        | 15.800 kg             | 24.000 kg             | 0.480 kg         | 0.990 kg     | 1.630 kg         |
| Material      | Chrome vanadium steel | Chrome vanadium steel | Aluminium        | Aluminium    | Aluminium        |
| Page          | 348                   | 348                   | 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 forged | Steel, drop forged | Steel, drop forged |
| 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 forged | Steel, drop forged | Steel, drop forged | Steel, drop forged |
| 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 particularly 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 <sup>1)</sup>: 10" pliers up to 2" pipe diameter

#### Technical Data

|                       |                       |
|-----------------------|-----------------------|
| Working area diameter | 2"                    |
| Working area diameter | 0–60 mm               |
| Material              | Chrome vanadium steel |

| Model             | Weight   | PU | No.        |
|-------------------|----------|----|------------|
| ROGRIP M, 7", 1K  | 0.235 kg | 6  | 1000002697 |
| ROGRIP M, 7", 2K  | 0.250 kg | 6  | 1000002698 |
| ROGRIP M, 10", 1K | 0.470 kg | 6  | 1000002699 |
| ROGRIP M, 10", 2K | 0.495 kg | 6  | 1000002700 |

## 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"



| 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 |

#### 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

Thanks to the ROTHENBERGER curve-shape design the 7" ROGRIP has the same gripping capacity of a normal 10" WAPU!



#### 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

#### Safety blocking system

Prevents unintentional opening and enables up to 50 % faster adjustment



Thanks to the ROTHENBERGER curve-shape design the 7" ROGRIP has the same gripping capacity of a normal 10" WAPU!

## ROGRIP XL

### Quick adjustable water pump pliers

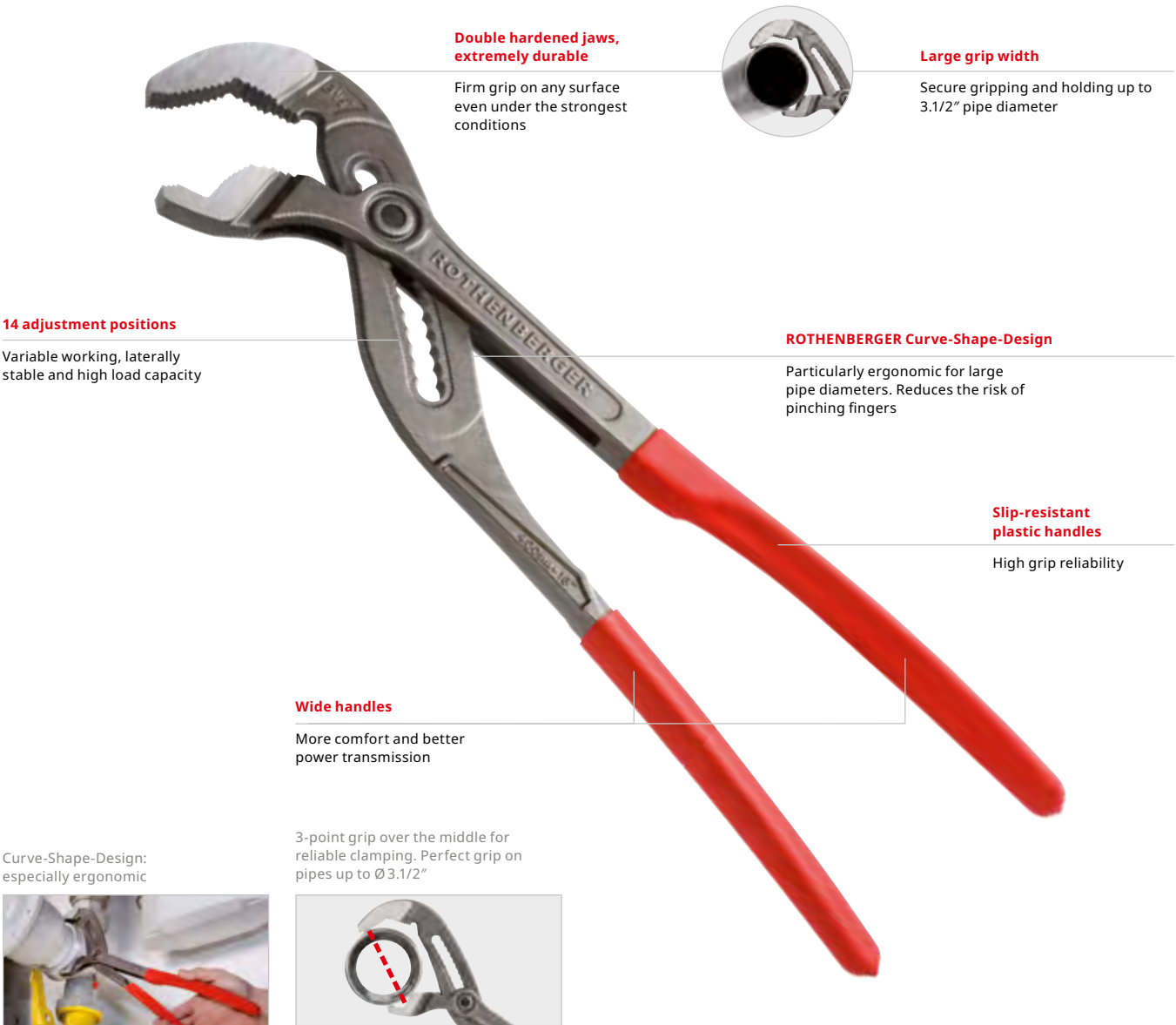
#### Application Benefits

- 16" pliers up to 3.1/2" pipe diameters
- 3-point grip: reliable clamping and perfect grip up to the maximum pipe diameter.
- ROTHENBERGER Curve-Shape-Design: especially ergonomic by large pipe diameters. Reduces the danger of fingers getting clamp
- Wide handles for more comfort and better power transmission
- 14 adjustment positions for variable working

#### Technical Data

|                       |                       |
|-----------------------|-----------------------|
| Working area diameter | 3.1/2"                |
| Working area diameter | 102 mm                |
| Material              | Chrome vanadium steel |

Enourmos gripping width of 3.1/2"—  
reliable grip during application



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 |



| 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**



### 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



3 pieces set (No. 070130X) includes: pipe wrench 1" (No. 070122X), pipe wrench 1.1/2" (No. 070123X), pipe wrench 2" (No. 070124X)

4 pieces set (No. 070135X) includes: pipe wrench 1" (No. 070122X), pipe wrench 1.1/2" (No. 070123X), wapu SP 10" (No. 70528), TUBE CUTTER 35 (No. 70027)

3 pieces set (No. 070140X) includes: pipe wrench 1" (No. 070122X), pipe wrench 1.1/2" (No. 070123X), wapu SP 10" (No. 70528)



No. 070130X



No. 070135X



No. 070140X

| 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 hardened
- 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° angled



| 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 and heel jaw can be purchased separately
- Monobloc cast iron body with high strength, double T-profile, forged jaw and hooks, fine polished, teeth set against the turning direction, induction hardened, tempered and non-slip adjusting screw



### US-Norm GGG-W-651 Type II Class A



| Model          | Size           | Weight    | PU | No.   | Hook  | Jaws  |
|----------------|----------------|-----------|----|-------|-------|-------|
| 160 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%: extremely 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

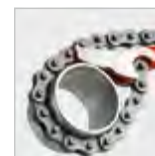


| Model        | Size           | Weight   | PU | No.   | Hook  | Jaws  |
|--------------|----------------|----------|----|-------|-------|-------|
| 350 mm (14") | 60 mm (2")     | 0.895 kg | 1  | 70115 | 70203 | 70192 |
| 450 mm (18") | 73 mm (2.1/2") | 1.495 kg | 1  | 70116 | 70204 | 70194 |

## Chain Pipe wrench 4" R/L

### Application Benefits

- Profile handle made of drop forged chrome vanadium steel, polished head with hardened special tooth 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 |

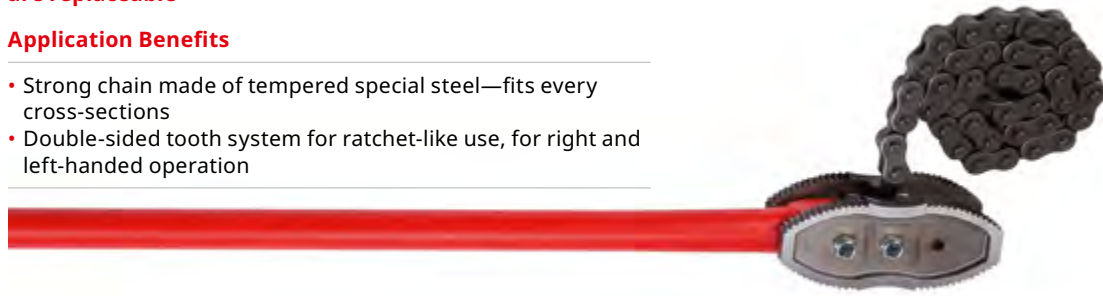


## Chain pipe wrench HEAVY DUTY

**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**

### Application Benefits

- Plastic jaws guarantee a secure and gentle grip, especially for chrome-plated fittings or polished surfaces
- High-quality DURAMANT surface coating

**Plastic jaws, gentle grip!**



| 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**

### Grinded plane-parallel jaws

For gentle gripping on high-quality fittings – No scratching

### Size scale

Quick presetting of nut size

### Two handle versions

Good grip when gripping thanks to the choice between plunge grip and multi-component grip

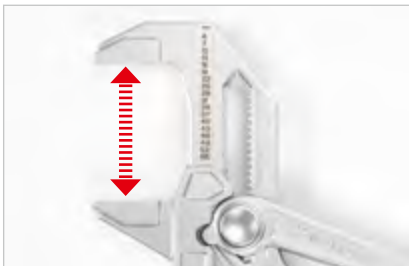
### Wrench size up to 52 mm

Replaces complete wrench set up to a maximum of 52 mm

### Chrome plated surface

Robust and durable coating

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 |

## 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 |

## 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 |

## 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 with special stepped key design
- Combination key enables installation and removal of radiator valve nipples, return fittings and short tap extensions
- 1/2" ratchet, quick and easy installation

1/2" ratchet

Quick and easy assembly

| Model                                    | Weight   | PU | No.   |
|------------------------------------------|----------|----|-------|
| UNI stepped key nipples, 3/8-1/2-3/4-1"  | 0.120 kg | 1  | 73298 |
| UNI stepped key set with ratchet, 3/8-1" | 0.670 kg | 10 | 73297 |
| Gas Stepped key                          | 0.160 kg | 1  | 73280 |
| Reversible ratchet, 1/2"                 | 0.550 kg | 1  | 27180 |



## Sanitary four way key

**Chrome vanadium steel**

### Application Benefits

- Four external hexagonal 3/8", 1/2", 3/4", 1" up to 100 mm and installation and removal of heating valves and tank connectors
- Three inner threads M8, M10 and M12 for hanger bolts



| Model                                      | Weight   | PU | No.    |
|--------------------------------------------|----------|----|--------|
| Sanitary four way key with multifunctional | 0.640 kg | 1  | 351043 |

## Sanitary four way key

**Chrome vanadium steel**

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- 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!



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

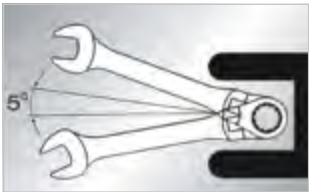
- Can also be used in confined working positions due to movable ring ratchet
- Precise work due to fine-running ratchet (72 teeth)



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<br>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<br>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 |

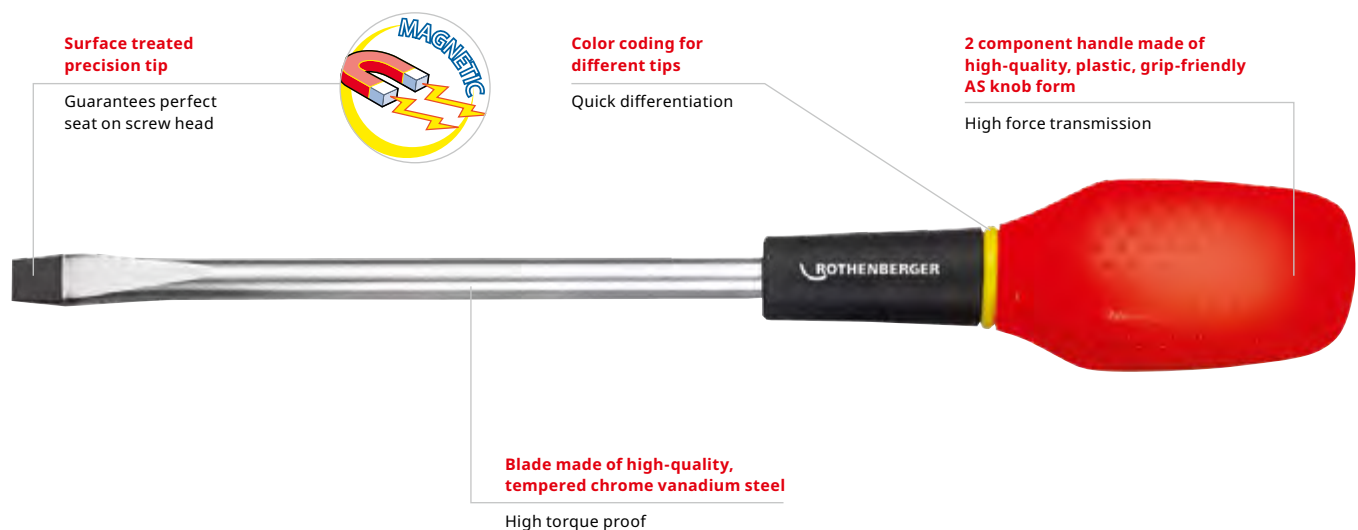
## EUROLINE screwdriver set

### 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      | Phillips      |
|--|---------------|---------------|
|  | No. 73571     | 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)

Constant strenghtened blade with metal cap



| Model                                          | Weight   | PU | No.   |
|------------------------------------------------|----------|----|-------|
| Chisel screwdriver set EUROLINE IMPAKT, 5 pcs. | 0.750 kg | 1  | 73575 |

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.

#### Application Benefits

- With horizontal and head levels
- One side with 1/2" external screw thread



Precise Installation!



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 x 92 (No. 854381), turning handle (No. 854382), threaded rod M10 x 130 (No. 854383), cartridge body 32 x 131 (No. 854384), cartridge extractor with thread (No. 854385), cartridge extractor with hook (No. 854386), cartridge extractor 20 x 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  $0.029^{\circ} = 0.5 \text{ mm/m}$



| 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****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 multi insulation stripper****Application Benefits**

- Improvement of the common insulation stripper and does not need an adjusting screw
- Ideally suitable to strip Ø 5–16 mm cable coatings
- The stripping function enables cable stripping of single- or multicore cables up to Ø 5.0 mm



| Model                                | Weight   | PU | No.        |
|--------------------------------------|----------|----|------------|
| Electrical multi insulation stripper | 0.230 kg | 1  | 1500003167 |

**Electrical long nose pliers****Application Benefits**

- Inductive hardened blade to ensure a higher service life
- Integrated M10 ring spanner to tighten/loosen nuts and screws
- Grab wires precisely, the serrated gripping surface ensures a tight, firm grip



| Model                       | Weight   | PU | No.        |
|-----------------------------|----------|----|------------|
| Electrical long nose pliers | 0.200 kg | 1  | 1500003168 |

**Electrical edge cutter****Application Benefits**

- Inductive hardened blade to ensure a higher service life
- Wave profile of the blade provides an anti-slip function: The wire does not slip out while being cut
- Comfortable handling thanks to ergonomic 3 K handles



| Model                        | Weight   | PU | No.        |
|------------------------------|----------|----|------------|
| Electrical power edge cutter | 0.210 kg | 1  | 1500003164 |
| Electrical power edge cutter | 0.300 kg | 1  | 1500003166 |

**Voltage Detector E-Detector 90–1000 V****Application Benefits**

- The non-contact voltage tester detects AC voltage in a range of 90–1,000 V
- When voltage is detected, a red LED lights up. In addition, a flashlight is attached to the voltage tester.



| Model                                 | Weight   | PU | No.        |
|---------------------------------------|----------|----|------------|
| Voltage Detector E-Detector 90–1000 V | 0.030 kg | 1  | 1500003374 |

**Electrical installation pliers****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, 230V, AMP, EU (No. 1000003858), RO CASE 4212 schwarz (No. 1300003649), RO CASE 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 2.0Ah battery (No. 1000001652), RO BC14/36 charger EU (No. 1000001654), quick change chuck, quick change bit holder, belt hook and bit case, RO CASE 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 |

**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**

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 × 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 × Poz: 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 dismantled 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 2.0Ah 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 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        |



No. 1300003338

Set (No.1000001649) includes: RO AG8000 angle grinder, RO BP18/4 4.0Ah 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 |

**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 | Aluminium alloying | 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

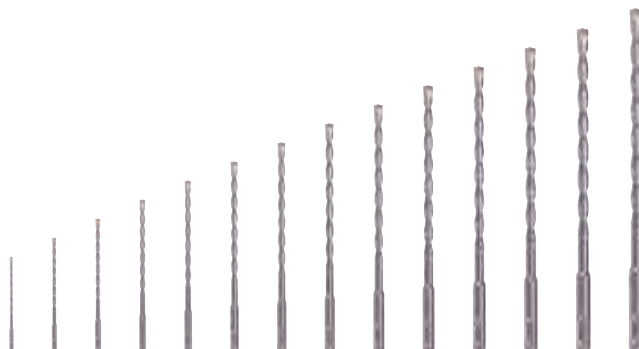


Do not use defective grinding/cutting discs

## 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**



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), RO CASE 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 |



# 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.



## 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 Applications



No. 1000003859



No. 1000003860



No. 1000003864



No. 1000003863



No. 1000003858



14

| 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

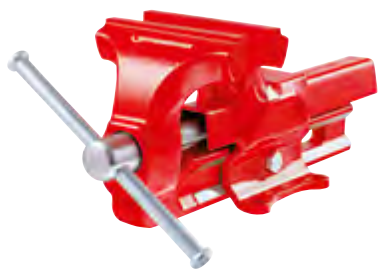
With forged and hardened pipe clamping jaws, steel forged underneath the parallel vice jaws



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 |

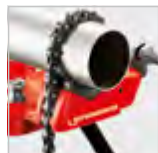
## Chain pipe vice

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 conversion 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 |

## 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 |

## 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 |

## 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 |

## Working tool 1/8–2"

With pipe vice

### Application Benefits

- Collapsible, stable, non-slip frame
- With folding pipe vice, bending holes and large tool tray



| Model               | Weight    | PU | No.   |
|---------------------|-----------|----|-------|
| Working tool 1/8–2" | 21.000 kg | 1  | 70740 |

## Universal workbench

Workbench for all kinds of work

### 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,<br>280 × 360 × 230 mm | 1.500 kg | 1  | 1500002182 |

Trendy shoulder toolbox

**Tool shoulder bag for the most important tools. With many compartments and an adjustable shoulder strap**

The practical tool shoulder bag is ideal for transporting hand tools.

Application Benefits

- Lots of storage room for all your tools



| Model                                         | Weight   | PU | No.    |
|-----------------------------------------------|----------|----|--------|
| Trendy shoulder toolbox<br>250 × 220 × 140 mm | 0.580 kg | 1  | 402308 |

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<br>toolbox | 4.730 kg | 1  | 402312 |

Tool bag universal

**Tool shoulder bag for the most important tools. With many compartments and an adjustable shoulder strap**

The practical tool shoulder bag is ideal for transporting hand tools.

Application Benefits

- Very light handy bag for the most important tools
- Volume approx. 11 l



| Model                                     | Weight   | PU | No.        |
|-------------------------------------------|----------|----|------------|
| Tool bag universal,<br>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



Fig. 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



Overview case system

|                    | ROCASE 4212                                                                                         | ROCASE 4407                                                                                         | ROCASE 4414                                                                                         | ROCASE 6414                                                                                           | ROCASE 6427                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|                    | <br>No. 1300003334 | <br>No. 1300005506 | <br>No. 1300003541 | <br>No. 1300003336 | <br>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             | 5.7l                                                                                                | 6.3l                                                                                                | 14.9l                                                                                               | 23.5l                                                                                                 | 48.2l                                                                                                 |
| Weight             | 0.630 kg                                                                                            | 1.200 kg                                                                                            | 1.300 kg                                                                                            | 1.890 kg                                                                                              | 2.640 kg                                                                                              |
| Color              | red, anthracite                                                                                     | red                                                                                                 | red, anthracite                                                                                     | red                                                                                                   | red                                                                                                   |
| Quantity of inlays | 7                                                                                                   |                                                                                                     | 16                                                                                                  | 6                                                                                                     | 3                                                                                                     |



| Model                                                  | Weight   | PU | No.        |
|--------------------------------------------------------|----------|----|------------|
| ROCASE 4212 red, without inlay, 39 × 19 × 12 cm        | 0.630 kg | 1  | 1300003334 |
| ROCASE 4212 anthracite, without inlay, 39 × 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

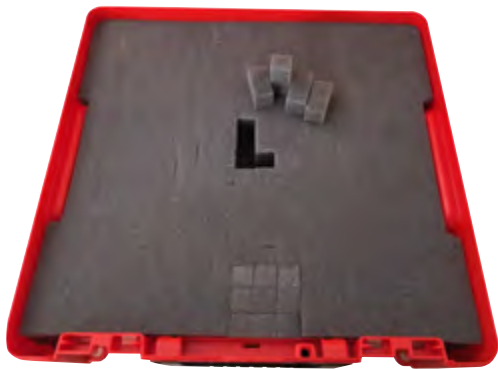
The foam inlay is designed to be used in the ROCASE 4212 to safely store other high quality products for transportation



| 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 bucket 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<br>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 1,5 m    |  Lock button                       |  Bayonet coupling                        |  Push lock                               |  Thread lock                    |
|  Pressure gauge display adjustable |  Pressure gauge class 1–6    |  Pressure gauge size 80 mm       |  Counter display                       |  Measuring accuracy up to Xg           |  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 30 m                     |  Sturdy casing                         |  Pressure hose ball valve     |
|  Transport case                    |  RO CASE RO CASE 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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