

# MAIN CATALOG 2022





Cordless Alliance System:

# One battery, many solutions.



## ROTHENBERGER is part of it!

Discover cordless freedom! Profit from **100% compatibility** of machines, battery packs and chargers in one cross-manufacturer system! With CAS the **world's most powerful battery pack system** in the industry from Metabo and more than **30 years of battery pack competency** are now available for ROTHENBERGER machines. How do you benefit from it? **Maximum reliability**, clear **cost advantages** and **high investment reliability**.

More information can be found at [www.cordless-alliance-system.com](http://www.cordless-alliance-system.com)



# Welcome to ROTHENBERGER!

We at ROTHENBERGER are driven by the needs of plumbers, service technicians and installers. We develop pipe tools and machines that assist craftspeople, to ensure construction sites are always under control.

To achieve this, we see the world through your eyes, familiarise ourselves closely with your everyday work and listen to you if you provide us with suggestions or criticism. In addition, all of our new products undergo an on-site endurance test. Only if they pass this test do they make it to the market.

If you are able to complete your work cleanly, quickly, easily and profitably, and go home happy, then we have done a good job.







## Focus on users

ROTHENBERGER was founded as a trading house in 1949. As early as 1967 ROTHENBERGER has developed the first system solution, the **R-System**. It consisted of tools for expanding, extracting and bending pipes – revolutionary equipment enabling installers to connect pipes without fittings, significantly speeding up the installation process.

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





## Solutions for professionals: systems that fit.

Our system solutions extend beyond tools:  
Transport and store equipment and machines in  
the **ROCASE** system. Re-use our **ROBOX** packaging  
as containers for consumables in the **ROCASE**.  
Use our **CAS**<sup>1)</sup> batteries to operate more than 280  
compatible machines.



**100% COMPATIBLE**

## Service for professionals: always prepared.

The **RO SERVICE+** takes care of  
maintenance and repairs: Our Service  
After Sales team quickly gets equipment  
back up and running without any detours,  
because we have your tool collected  
where you are and also deliver it to you  
at the construction site, upon request.<sup>2)</sup>



<sup>1)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)

<sup>2)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries





## We are here for you.

You can reach us through many channels – the website [rothenberger.com](https://rothenberger.com), by email at [info@rothenberger.com](mailto:info@rothenberger.com), by phone on our customer hotline and on our technical customer service hotline.



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\*Detailed guarantee terms at <https://rothenberger.com/gb-en/5-year-replacement-warranty>  
(Only in participating countries)



# Cutting

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### Pipe cutters for metal, plastic, MLP

|                       | TC 35 DURAMAG   | TC 35 DURAMAG MLP   | TC 35 PRO INOX DURAMAG  | TC 42 PRO   |  |
|-----------------------|---|---|---|---|--|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 6-35 mm (1/4-1.3/8")  | 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")  |  |
| <b>Dimensions:</b>    | 150 x 60 x 40 mm  | 150 x 60 x 40 mm  | 150 x 60 x 40 mm  | 160 x 60 x 40 mm  |  |
| <b>Weight:</b>        | 255 g   | 255 g   | 255 g   | 550 g   |  |
| <b>Extras:</b>        | Internal pipe deburrer, spare cutter wheel  | Internal pipe deburrer, spare cutter wheel  | Internal pipe deburrer, spare cutter wheel  | Internal pipe deburrer, spare cutter wheel  |  |
| <b>Suitable for:</b>  | Cu, brass, Al, thin-walled steel pipes  | PE-, PP-, PVDF-, PVC, plastic-coated pipes  | Stainless steel   | Cu, brass, Al, thin-walled steel pipes  |  |
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|                       | TC 42 XL   | TC 42 PRO MLP  | TC 42 PRO PVC  | TC 42 PRO INOX   | TC CSST  |
|-----------------------|--|--|--|--|--|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 6-42 mm (1/4-1.5/8")   | Ø 6-42 mm (1/4-1.5/8")   | Ø 6-42 mm (1/4-1.5/8")   | Ø 6-42 mm (1/4-1.5/8")   | Ø 10-42 mm (3/8"-1.5/8")   |
| <b>Dimensions:</b>    | 166 x 67 x 54 mm   | 160 x 60 x 40 mm   | 160 x 60 x 40 mm   | 160 x 60 x 40 mm   | 166 x 67 x 54 mm   |
| <b>Weight:</b>        | 430 g  | 550 g  | 550 g  | 550 g  | 430 g  |
| <b>Extras:</b>        | Internal pipe deburrer, spare cutter wheel   | Internal pipe deburrer, spare cutter wheel   | Internal pipe deburrer, spare cutter wheel   | Internal pipe deburrer, spare cutter wheel   | Spare cutter wheel   |
| <b>Suitable for:</b>  | Cu, brass, Al, thin-walled steel pipes   | PE, PP, PVDF, plastic-coated pipes   | PE, PP, PVDF, plastic-coated pipes   | Stainless steel  | Corrugated INOX pipes up to 0.2 mm   |
| <b>Page</b>           | <b>15</b>  | <b>28</b>  | <b>28</b>  | <b>19</b>  | <b>19</b>  |

|                       | MINICUT I PRO   | MINICUT II PRO  | MINICUT 2000 30 PRO   | MINI MAX 50   | TUBE CUTTER 30 PRO  |
|-----------------------|---|---|---|---|---|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 3-16 mm (1/8-5/8")  | Ø 6-22 mm (1/4-7/8")  | Ø 3-22 mm (1/8-7/8")  | Ø 3-28 mm (1/8-1.1/8")  | Ø 3-30 mm (1/8-1.3/8")  |
| <b>Dimensions:</b>    | 46 x 35 x 22 mm   | 55 x 38 x 22 mm   | 70 x 40 x 30 mm   | 80 x 60 x 30 mm   | 150 x 60 x 28 mm  |
| <b>Weight:</b>        | 110 g   | 125 g   | 140 g   | 270 g   | 305 g   |
| <b>Extras:</b>        | Spare cutter wheel, spare axle  | Spare cutter wheel, spare axle  | Spare cutter wheel, spare axle  | Spare cutter wheel, spare cutter wheel  | Internal pipe deburrer, spare cutter wheel  |
| <b>Suitable for:</b>  | Cu, brass, Al, thin-walled steel pipes  | Cu, brass, Al, thin-walled steel pipes  | Cu, brass, Al, thin-walled steel pipes  | Cu, brass, Al, thin-walled steel pipes  | Cu, brass, Al, thin-walled steel pipes  |
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### Pipe cutters for metal

|                       | <b>TUBE CUTTER 50</b>   | <b>TUBE CUTTER 30 PRO INOX</b>  | <b>Automatic pipe cutter size 1</b>   | <b>Automatic pipe cutter size 2</b>   | <b>Chain pipe cutter</b>  |
|-----------------------|---|---|---|---|---|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 12-50 mm (1/2-2")   | Ø 3-30 mm (1/8-1.1/8")  | Ø 6-67 mm (1/4-2.5/8")  | Ø 50-127 mm (2-5")  | Ø 20-100 mm (1-4")  |
| <b>Dimensions:</b>    | 175 x 75 x 30 mm  | 150 x 60 x 28 mm  | 240 x 110 x 50 mm   | 360 x 80 x 70 mm  | 370 x 280 x 250 mm  |
| <b>Weight:</b>        | 520 g   | 305 g   | 755 g   | 755 g   | 575 g   |
| <b>Extras:</b>        | Internal pipe deburrer, spare cutter wheel  | Internal pipe deburrer, spare cutter wheel  | Internal pipe deburrer, spare cutter wheel  | Internal pipe deburrer  | –   |
| <b>Suitable for:</b>  | Cu, brass, Al, thin-walled steel pipes  | Stainless steel, thin-walled steel pipes  | Cu, brass, Al, thin-walled steel pipes, plastic-coated pipes                      | Cu, brass, Al, thin-walled steel pipes, plastic-coated pipes                        | Cu, brass, Al, thin-walled steel pipes, plastic-coated pipes                        |

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|                       | <b>ROSLICE 12 mm</b>   | <b>ROSLICE 15 mm</b>   | <b>ROSLICE 18 mm</b>   | <b>ROSLICE 22 mm</b>   | <b>TUBE CUTTER INOX</b>  |
|-----------------------|--|--|--|--|--|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 12 mm (1/2")   | Ø 15 mm (5/8")   | Ø 18 mm (3/4")   | Ø 22 mm (7/8")   | Ø 6-60 mm (1/4-2.3/8")   |
| <b>Dimensions:</b>    | 48 x 48 x 35 mm  | 48 x 48 x 35 mm  | 58 x 58 x 35 mm  | 58 x 58 x 35 mm  | 230 x 110 x 40 mm  |
| <b>Weight:</b>        | 230 g  | 240 g  | 250 g  | 260 g  | 780 g  |
| <b>Extras:</b>        | –  | –  | –  | –  | –  |
| <b>Suitable for:</b>  | Cu   | Cu   | Cu   | Cu   | Stainless steel  |

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|                       | <b>ENORM 4"</b>   | <b>SUPER 1.1/4"</b>   | <b>SUPER 2"</b>   | <b>SUPER 1.1/4" INOX</b>   | <b>SUPER 2" INOX</b>   |
|-----------------------|---|---|---|--|--|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 60-115 mm (2-4")  | Ø 10-42 mm (1/8-1.1/4")   | Ø 10-60 mm (1/8-2")   | Ø 10-42 mm (3/8-1.1/4")  | Ø 10-60 mm (3/8-2")  |
| <b>Dimensions:</b>    | 600 x 175 x 55 mm   | 270 x 80 x 35 mm  | 370 x 100 x 55 mm   | 280 x 110 x 40 mm  | 370 x 100 x 55 mm  |
| <b>Weight:</b>        | 7,105 g   | 1,040 g   | 2,155 g   | 1,040 g  | 2,155 g  |
| <b>Extras:</b>        | –   | –   | –   | –  | –  |
| <b>Suitable for:</b>  | Steel   | Steel   | Steel   | Stainless steel  | Stainless steel  |

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### Plastic shears

**ROCUT TC 26**



**ROCUT TC 32**



**ROCUT PS 35**



**ROCUT PS 26/42 S**



|                       |                            |                            |                            |                            |
|-----------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>Working range:</b> | Ø 0-26 mm (0-1")           | Ø 0-32 mm (0-1.1/4")       | Ø 6-35 mm (1/4-1.3/8")     | Ø 6-42 mm (1/4-1.5/8")     |
| <b>Dimensions:</b>    | 190 x 80 x 30 mm           | 210 x 60 x 30 mm           | 215 x 195 x 40 mm          | 290 x 240 x 40 mm          |
| <b>Weight:</b>        | 370 g                      | 220 g                      | 740 g                      | 950 g                      |
| <b>Suitable for:</b>  | PP, PE, PEX, PB, PVDF, MLP | PP, PE, PEX, PB, PVDF, MLP | PP, PE, PEX, PB, PVDF, MLP | PP, PE, PEX, PB, PVDF, MLP |

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**ROCUT TC 42**



**ROCUT TC 42  
Twin Cut**



**ROCUT TC 50**



**ROCUT TC 63**



**ROCUT TC 75**



|                       |                            |                       |                            |                            |                            |
|-----------------------|----------------------------|-----------------------|----------------------------|----------------------------|----------------------------|
| <b>Working range:</b> | Ø 0-42 mm (0-1.5/8")       | Ø 0-20 / 20-42 mm     | Ø 0-50 mm (0-2")           | Ø 0-63 mm (0-2.1/2")       | Ø 0-75 mm (0-3")           |
| <b>Dimensions:</b>    | 210 x 100 x 25 mm          | 235 x 105 x 20 mm     | 260 x 120 x 25 mm          | 280 x 130 x 30 mm          | 480 x 165 x 35 mm          |
| <b>Weight:</b>        | 447 g                      | 550 g                 | 600 g                      | 700 g                      | 1,740 g                    |
| <b>Suitable for:</b>  | PP, PE, PEX, PB, PVDF, MLP | PP, PE, PEX, PB, PVDF | PP, PE, PEX, PB, PVDF, MLP | PP, PE, PEX, PB, PVDF, MLP | PP, PE, PEX, PB, PVDF, MLP |

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### Cutting

**ROCUT 110**



**ROCUT 160**



|                             |                              |                              |
|-----------------------------|------------------------------|------------------------------|
| <b>Suited for:</b>          | PE, PP, PVC, PEX, PVDF, PB** | PE, PP, PVC, PEX, PVDF, PB** |
| <b>Outer pipe diameter:</b> | Ø 32 - 110 mm                | Ø 110 - 160 mm               |
| <b>Wall thickness:</b>      | Up to max. 16 mm*            | Up to max. 16 mm*            |
| <b>Operation mode:</b>      | Manual                       | Manual                       |
| <b>Function:</b>            | Cutting, chamfering          | Cutting, chamfering          |

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### Plastic pipe cutters

**TC 67 PL**

**TC 125 PL**

**TC 168 PL**


|                       |   |   |   |
|-----------------------|---|---|---|
| <b>Working range:</b> | Ø 6-67 mm (1/4-2.5/8")                                  | Ø 50-125 mm (2-5")                                      | Ø 110-168 mm (4.3/8-6.5/8")                             |
| <b>Dimensions:</b>    | 230 x 110 x 40 mm                                       | 360 x 180 x 50 mm                                       | 390 x 220 x 50 mm                                       |
| <b>Weight:</b>        | 700 g   | 1,600 g   | 1,700 g   |
| <b>Extras:</b>        | Internal pipe deburrer, spare cutter wheel              | Internal pipe deburrer                                  | Internal pipe deburrer                                  |
| <b>Suitable for:</b>  | PE, PP, PEX, PB, PVDF-pipes, sound-isolated drain pipes | PE, PP, PEX, PB, PVDF-pipes, sound-isolated drain pipes | PE, PP, PEX, PB, PVDF-pipes, sound-isolated drain pipes |

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### Pipe saws

**PIPECUT mini**


|                         |  |
|-------------------------|--|
| <b>Working range:</b>   | < Ø 110 mm   |
| <b>Suitable for:</b>    | Copper, plastic, C-steel, cast iron or stainless steel, mounting rails, threaded bolts, aluminium cover plates, wood, panels |
| <b>Power:</b>           | 18V CAS battery system   |
| <b>Speed:</b>           | 4150 rpm / 28-30 m/s   |
| <b>Weight:</b>          | 4.3 kg (without battery)   |
| <b>Dimensions:</b>      | 330 x 246 x 258 mm   |
| <b>Saw blade clamp:</b> | Ø 20 mm  |
| <b>Modular system:</b>  | Pipe saw, circular saw, plunge saw, cross-cutting saw  |

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# Cutting

## Cutting metal, manual

### 1 TUBE CUTTER 35 / 42 Pro

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



#### Product profile

##### APPLICATION AREA

###### TC 35 / TC 42

For copper, brass, aluminium, thin-walled steel pipes  
TC 35 Ø 6 - 35 mm / TC 42 Ø 6 - 42 mm

###### TC 35 MLP / TC 42 Pro MLP

PE, PP, PVDF, plastic-coated pipes, PVC hard plastic pipes  
TC 35 MLP Ø 6 - 35 mm / TC 42 Pro MLP Ø 6 - 42 mm

###### TC 35 INOX / TC 42 Pro INOX

Stainless steel pipes  
TC 35 INOX Ø 6 - 35 mm / TC 42 INOX Ø 6 - 42 mm

##### KEY FEATURES

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

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

Two guide rollers  
with recess

Cuts near to flares

Exact telescopic guide

Precise cutting

Cutter wheel  
compartment

Spare cutter wheel  
always within reach

Always within reach

Retractable internal  
pipe deburrer

Easy turning of the  
adjustment knob

Quick adjustment of the  
working area

For copper and aluminium



For MLP pipes



For INOX (stainless steel) pipes



For refrigeration technology





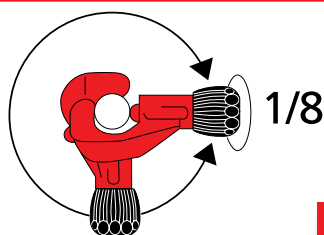
## TUBE CUTTER 35 DURAMAG counter display

Counter display includes six  
TUBE CUTTER 35 DURAMAG

### Product profile

#### KEY FEATURES

- Improved performance
- Higher stability with noticeably less weight



Constant, tight working radius  
of 123 mm



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



No. 1000002002



No. 070027DB

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

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

| Model  | mm     | inch          | g     |   | No.          |
|--|--------|---------------|-------|---|--------------|
| TUBE CUTTER 35 DURAMAG (Cu, brass, Al, thin-walled pipe) | 6 - 35 | 1/4" - 1.3/8" | 255   | 4 | 70027        |
| Handtool set prepare to press                            | 6 - 35 | 1/4" - 1.3/8" | 460   | 1 | 1000002002   |
| TUBE CUTTER 35 DURAMAG counter display (6 pcs.)          | 6 - 35 | 1/4" - 1.3/8" | 1,700 | 1 | 070027DB     |
| TUBE CUTTER 35 DURAMAG MLP                               | 6 - 35 | 1/4" - 1.3/8" | 255   | 4 | 70108        |
| TUBE CUTTER 35 PRO INOX DURAMAG (stainless steel)        | 6 - 35 | 1/4" - 1.3/8" | 255   | 4 | 70055        |
| TUBE CUTTER 35 INOX + cutter wheel set, ROBOX            | 6 - 35 | 1/4" - 1.3/8" | 500   | 1 | 1000002222 * |
| TUBE CUTTER 42 PRO (Cu, brass, thin-walled steel pipe)   | 6 - 42 | 1/4" - 1.5/8" | 550   | 4 | 70029        |
| TUBE CUTTER 42 PRO MLP                                   | 6 - 42 | 1/4" - 1.5/8" | 550   | 1 | 70109        |
| TUBE CUTTER 42 PRO PVC                                   | 6 - 42 | 1/4" - 1.5/8" | 550   | 4 | 70072        |
| TUBE CUTTER 42 PRO INOX (stainless steel)                | 6 - 42 | 1/4" - 1.5/8" | 550   | 1 | 70070        |

\* ROBOX system p. 336

## TUBE CUTTER 42 XL

Pipe cutter for the precise cutting of metal  
pipes Ø 6 - 42 mm (1/4 - 1.5/8")

### Product profile

#### APPLICATION AREA

- New cutter wheel: 20x more cuts\*\*
- 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

#### KEY FEATURES

**Application area:** For copper, brass, aluminium, stainless steel and thin-walled steel pipes Ø 6 - 42 mm with a wall thickness of up to 1.2 mm

\*\* Stainless steel compared to TC 42 Pro

| Model                       | g   |   | No.        |
|-----------------------------|-----|---|------------|
| TUBE CUTTER 42 XL           | 500 | 1 | 1000001748 |
| Spare cutter wheel (5 pcs.) | 20  | 1 | 070056D    |



# Cutting

## Cutting metal, manual

### 1 ROTRAC 28 / 42

High-precision pipe cutter,  
Ø 3 - 42 mm (1/8 - 1.5/8")



#### KEY FEATURES

- 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   | mm     | inch         | g   | No.               |
|---|--------|--------------|-----|-------------------|
| ROTRAC 28                                     | 3 - 28 | 1/8 - 1.1/8" | 220 | <b>70010</b>      |
| ROTRAC 42                                     | 6 - 42 | 1/4 - 1.5/8" | 255 | <b>70011</b>      |
| ROTRAC 28 PLUS chrome, limited edition        |        |              | 220 | <b>1000000046</b> |
| Spare axle                                    |        |              | 5   | <b>70080</b>      |
| Spare cutter wheel INOX                       |        |              | 2   | <b>070007X</b>    |
| Spare cutter wheel (3 pcs.) for Cu, Al, brass |        |              | 20  | <b>070007D</b>    |

### MINICUT I PRO / II PRO

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



Ideal for maintenance and repair work!



#### KEY FEATURES

- For copper, brass, aluminium, thin-walled steel pipes
- Compact design with small working radius (38 mm and/or 1.1/2" I PRO/42 mm and/or 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

| Model                       | mm     | inch       | g   | No.            |
|-----------------------------|--------|------------|-----|----------------|
| MINICUT I PRO               | 3 - 16 | 1/8 - 5/8" | 115 | <b>70401</b>   |
| MINICUT II PRO              | 6 - 22 | 1/4 - 7/8" | 125 | <b>70402</b>   |
| Spare cutter wheel (5 pcs.) |        |            | 20  | <b>070017D</b> |
| Spare axle                  |        |            | 5   | <b>70041</b>   |

### MINICUT 2000

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

Ergonomic design of body and knob with seating surface for the hand during turning



#### KEY FEATURES

- For copper, brass, aluminium, thin-walled steel pipes
- Compact design with small working radius (45 mm and/or 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

| Model                       | mm     | inch       | g   | No.            |
|-----------------------------|--------|------------|-----|----------------|
| MINICUT 2000                | 3 - 22 | 1/8 - 7/8" | 140 | <b>70105</b>   |
| Spare cutter wheel (5 pcs.) |        |            | 20  | <b>070017D</b> |
| Spare axle                  |        |            | 5   | <b>70041</b>   |

### MINI MAX

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

Ergonomic design of body and knob with seating surface for the hand during turning



Set (No. 1000002191) includes:  
MINICUT I PRO pipe cutter, 3 - 16 mm (No. 70401), MINI MAX pipe cutter, 3 - 28 mm (No. 70015), ROBOX B2350 (No. 1500002641)

#### KEY FEATURES

- For copper, brass, aluminium, thin-walled steel pipes
- Compact design with very small working radius (58 mm and/or 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

| Model                       | mm     | inch         | g   | No.            |
|-----------------------------|--------|--------------|-----|----------------|
| MINI MAX                    | 3 - 28 | 1/8 - 1.1/8" | 270 | <b>70015</b>   |
| Spare cutter wheel (5 pcs.) |        |              | 20  | <b>070017D</b> |
| Spare axle                  |        |              | 5   | <b>70041</b>   |



### TUBE CUTTER 30 PRO / 50

Copper pipe cutter Ø 3 - 50 mm (1/8 - 2")

#### KEY FEATURES

- For copper, brass, aluminium, thin-walled steel pipes
- Two guide rollers with recess for cuts near flares
- Retractable internal deburrer and spare cutter wheel in handle



No. 71019

| Model              | mm      | inch         | g   |   | No.          |
|--------------------|---------|--------------|-----|---|--------------|
| TUBE CUTTER 30 PRO | 3 - 30  | 1/8 - 1.1/8" | 305 | 4 | <b>71019</b> |
| TUBE CUTTER 50     | 12 - 50 | 1/2 - 2"     | 520 | 1 | <b>70065</b> |

| Model                       | g  |   | No.            |
|-----------------------------|----|---|----------------|
| Spare cutter wheel (5 Pcs.) | 20 | 1 | <b>070017D</b> |
| Spare axle                  | 5  | 1 | <b>70041</b>   |

### Automatic ratchet telescopic pipe cutter

Telescopic pipe cutter Ø 6 - 67 mm (1/4 - 2.5/8")

#### KEY FEATURES

- For copper, brass, aluminium, thin-walled steel pipes as well as plastic-coated pipes
- 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                              | mm     | inch         | g   |    | No.            |
|------------------------------------|--------|--------------|-----|----|----------------|
| Size 1                             | 6 - 67 | 1/4 - 2.5/8" | 755 |    | <b>70030</b>   |
| Size 1 spare deburring blade       |        |              | 5   | 10 | <b>21652</b>   |
| Size 1 spare cutter wheel (5 pcs.) |        |              | 20  | 1  | <b>070017D</b> |
| Size 2 spare cutter wheel (2 pcs.) |        |              | 20  |    | <b>070057D</b> |
| Size 2 spare deburring blade       |        |              | 5   | 10 | <b>21652</b>   |

| Model                          | mm       | inch   | g     | No.              |
|--------------------------------|----------|--------|-------|------------------|
| Size 2                         | 50 - 127 | 2 - 5" | 1,850 | <b>70142</b>     |
| Size 1 spare axle              |          |        | 20    | <b>70042</b>     |
| Size 1 spare deburrer complete |          |        | 5     | <b>750004100</b> |
| Size 2 spare axle              |          |        | 5     | <b>751004200</b> |

### Chain pipe cutter

For pipes Ø 20 - 100 mm (1 - 4")

#### KEY FEATURES

- For copper, brass, aluminium, thin-walled steel pipes as well as plastic-coated pipes
- 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



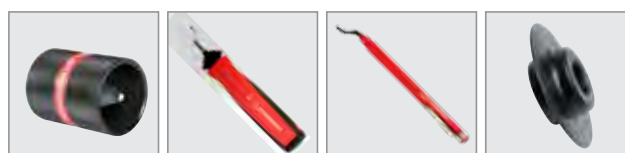
| Model                    | mm       | inch   | g   | No.          |
|--------------------------|----------|--------|-----|--------------|
| Chain pipe cutter        | 20 - 100 | 1 - 4" | 575 | <b>70285</b> |
| Spare cutter wheel chain |          |        | 180 | <b>70286</b> |



No. 70285

#### ACCESSORIES

| Model                                      |           | No.               |
|--|-----------|-------------------|
| Internal / external deburrer, Ø 6 - 35 mm  | <b>26</b> | <b>1500000237</b> |
| Internal / external deburrer, Ø 10 - 54 mm | <b>26</b> | <b>1500000236</b> |
| GRATFIX                                    | <b>28</b> | <b>21655</b>      |
| UNIGRAT                                    | <b>28</b> | <b>21660</b>      |
| Spare cutter wheels                        | <b>15</b> |                   |



# Cutting

## Cutting metal, manual

1

### ROSLICE

Copper pipe cutter Ø 12 - 22 mm (1/2 - 1.1/8")



#### Ergonomic form

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



Pipe cutting possible near the wall



#### Indicates rotating direction

Quick cutting with just a few turns

#### KEY FEATURES

- 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

#### Self-clamping and self-alignment

Prevents the deformation of the pipe

#### Non-slip surface

Reliable grip

| Model                       | mm/inch             | g    | No.            |
|-----------------------------|---------------------|------|----------------|
| ROSLICE                     | 12 mm               | 240  | <b>88812</b>   |
| ROSLICE                     | 15 mm               | 230  | <b>88815</b>   |
| ROSLICE                     | 18 mm               | 260  | <b>88818</b>   |
| ROSLICE                     | 22 mm               | 250  | <b>88822</b>   |
| ROSLICE                     | 3/4"                | 240  | <b>88832</b>   |
| Spare cutter wheel (5 pcs.) | 1/2", 12 mm         | 36.3 | <b>088840D</b> |
| Spare cutter wheel (5 pcs.) | 5/8"-7/8", 15-22 mm | 34.6 | <b>088841D</b> |
| Spare cutter wheel (5 pcs.) | 1/2"-3/4", 18 mm    | 37.4 | <b>088842D</b> |

### TUBE CUTTER 30 PRO INOX

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

INOX



#### 2 guide rollers with recess

Cut near flares



Precise cutting of stainless steel pipes



#### Internal deburrer

Retractable

#### Cutter wheel compartment

Spare cutter wheel always within reach

#### KEY FEATURES

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

| Model                       | mm     | inch         | g   | No.            |
|-----------------------------|--------|--------------|-----|----------------|
| TC 30 PRO INOX              | 3 - 30 | 1/8 - 1.1/8" | 305 | <b>71085</b>   |
| Spare cutter wheel (5 pcs.) |        |              | 20  | <b>070056D</b> |
| Spare axle                  |        |              | 5   | <b>70041</b>   |







**TUBE CUTTER INOX**

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

**KEY FEATURES**

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

**12 x ball bearings!**

| Model                       |  mm |  inch |  g |  | No.          |
|-----------------------------|--|--|---|---|--------------|
| TUBE CUTTER INOX 6 - 60     | 1/4 - 2.3/8"   | 305  | 1   |   | <b>70340</b> |
| Spare cutter wheel (2 pcs.) |  | 20   | 1   |   | <b>70341</b> |

12x ball bearings

Extremely stable, fast and direct guidance of the pipe

**INOX**



Easy turning of the adjustment knob

Quick adjustment of the working area

Metal casing made of aluminium





Rugged and robust

**TUBE CUTTER 35 / 42 PRO INOX**

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

**KEY FEATURES**

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



| Model          |  mm |  inch |  g |  | No.          |
|----------------|--|--|---|---|--------------|
| TC 35 INOX     | 6 - 35   | 1/4 - 1.3/8"   | 440   | 4   | <b>70055</b> |
| TC 42 PRO INOX | 6 - 42   | 1/4 - 1.5/8"   | 510   | 1   | <b>70070</b> |

Set (No. 100000222) includes: TUBE CUTTER 35 INOX, (No. 70055), cutter wheel f. TC 35 + TC 30 PRO + TC 42 XL, 5 pcs. (No. 070056D), ROBOX B2350 (No. 1500002641)

**INOX**

Easy turning of the adjustment knob

Quick adjustment of the working area

| Model                       |  g |  | No.            |
|-----------------------------|---|---|----------------|
| Spare cutter wheel (5 pcs.) | 20  | 1   | <b>070056D</b> |
| Spare deburring blade       | 10  | 10  | <b>21652</b>   |

**TUBE CUTTER CSST**



Pipe cutter for the precise cutting of corrugated INOX pipes Ø 10 - 42 mm (3/8" - 1.5/8")

**KEY FEATURES**

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

**APPLICATION AREA**

Corrugated pipes with a wall thickness of up to 0.2 mm

| Model                           |  kg |  | No.               |
|---------------------------------|--|---|-------------------|
| TUBE CUTTER CSST 42 mm          | 0.5  | 1   | <b>1000001747</b> |
| Cutter wheel CSST pipe (5 pcs.) |  | 1   | <b>1000002077</b> |

Cutter wheel compartment

Spare cutter wheel always within reach

Easy turning of the adjustment knob

Quick adjustment to the pipe diameter

Wide bearing surface

Ideal force distribution while cutting

Special cutter wheel

For thin-walled corrugated INOX pipes

Guide rollers next to the cutter wheel

Perfect guidance of corrugated pipes

# Cutting

## Cutting metal, manual

1

### ENORM 4"

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



#### KEY FEATURES

- Wide rollers for secure guiding of cutter wheel on pipe
- Easy pressure control for optimum force transmission onto the pipe

#### KEY FEATURES

- Long service life with the hardened cutter wheel made of high-alloyed steel
- Burr-free cutting allows immediate thread cutting

Thread for handle



Handle (included in delivery)



Anti-slip surface

Reliable grip



| Model                       | mm       | inch   | g     | No.            | Model      | g | No.          |
|-----------------------------|----------|--------|-------|----------------|------------|---|--------------|
| ENORM 4"                    | 60 - 115 | 2 - 4" | 7,105 | <b>70060</b>   | Spare axle | 5 | <b>70064</b> |
| Spare cutter wheel (2 pcs.) |          |        | 20    | <b>070061D</b> |            |   |              |

### SUPER 1.1/4" and 2"

Stainless steel pipe cutter Ø 10 - 60 mm (1/8 - 2")

#### KEY FEATURES (SUPER/SUPER INOX)

- Wide rollers for secure guiding of cutter wheel on pipe
- Easy pressure control for optimum force transmission onto the pipe

### SUPER 1.1/4" and 2" INOX

Stainless steel pipe cutter Ø 10 - 60 mm (1/8 - 2")

#### KEY FEATURES (SUPER/SUPER INOX)

- Long service life with the hardened cutter wheel made of high alloy steel
- Burr-free external cutting allows for immediate thread cutting

Precise cutting of stainless steel pipes



INOX



| Model                              | mm      | inch         | g     | No.              | Model                              | mm      | inch         | g     | No.              |
|------------------------------------|---------|--------------|-------|------------------|------------------------------------|---------|--------------|-------|------------------|
| SUPER 1.1/4"                       | 10 - 42 | 1/8 - 1.1/4" | 1,040 | <b>70040</b>     | SUPER 1.1/4" INOX                  | 10 - 42 | 1/8 - 1.1/4" | 1,040 | <b>70086</b>     |
| SUPER 2"                           | 10 - 60 | 1/8 - 2"     | 2,155 | <b>70045</b>     | SUPER 2" INOX                      | 10 - 60 | 1/8 - 2"     | 2,155 | <b>70087</b>     |
| 1.1/4" spare cutter wheel (3 pcs.) |         |              | 20    | <b>070046D</b>   | 1.1/4" spare cutter wheel (2 pcs.) |         |              | 20    | <b>070088D</b>   |
| 1.1/4" spare axle                  |         |              | 5     | <b>701011500</b> | 1.1/4" spare axle                  |         |              | 5     | <b>701011500</b> |
| 2" spare cutter wheel (3 pcs.)     |         |              | 20    | <b>070051D</b>   | 2" spare cutter wheel (2 pcs.)     |         |              | 20    | <b>070089D</b>   |
| 2" spare axle                      |         |              | 5     | <b>70053</b>     | 2" spare axle                      |         |              | 5     | <b>70053</b>     |

#### ACCESSORIES

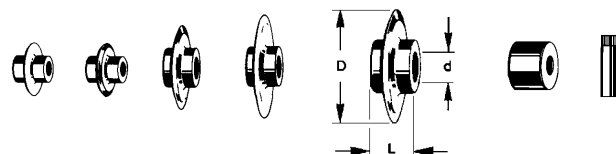


| Model                                      |           | No.               |
|--|-----------|-------------------|
| Internal / external deburrer, Ø 6 - 35 mm  | <b>32</b> | <b>1500000237</b> |
| Internal / external deburrer, Ø 10 - 54 mm | <b>32</b> | <b>1500000236</b> |
| GRATFIX                                    | <b>34</b> | <b>21655</b>      |
| UNIGRAT                                    | <b>34</b> | <b>21660</b>      |
| Spare cutter wheels                        | <b>21</b> |                   |



## Pipe cutters, cutting wheels and spare parts

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



1



| Pipe cutter type        | Model for pipe - Ø      | No.         | Cutting wheel No. | Sizes d, L, D mm                    | Cutting depth | 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 / 5.90 / 18.5                   | 3.0           | 70041           | 4.7 / 14 / M3             | 70023            | -                   | Copper pipe (Cu),                          |
| MINICUT II PRO          | 6 - 22 mm               | 70402       | 070017D           | 4.8 / 5.90 / 18.5                   | 3.0           | 70041           | 4.7 / 14 / M3             | 70023            | -                   | brass pipe (Ms),                           |
| MINICUT 2000            | 3 - 22 mm               | 70105       | 070017D           | 4.8 / 5.90 / 18.5                   | 3.0           | 70041           | 4.7 / 14 / M3             | -                | -                   | aluminium pipe (Al),                       |
| MINIMAX                 | 3 - 28 mm               | 70015       | 070017D           | 4.8 / 5.90 / 18.5                   | 3.0           | 70041           | 4.7 / 14 / M3             | -                | -                   | thin-walled steel pipe (Fe),               |
|                         |                         |             |                   |                                     |               |                 |                           |                  |                     | PVC hard plastic pipe, plastic-coated pipe |
| TUBE CUTTER 30 PRO      | 3 - 30 mm               | 71019       | 070017D           | 4.8 / 5.90 / 18.5                   | 3.0           | 70041           | 4.7 / 14 / M3             | 70067            | -                   | Copper pipe (Cu),                          |
| TUBE CUTTER 35 + 35 C   | 6 - 35 mm               | 070027(C)   | 070017D           | 4.8 / 5.90 / 18.5                   | 3.0           | 70041           | 4.7 / 14 / M3             | 70067            | 21652               | brass pipe (Ms),                           |
| TUBE CUTTER 42 PRO      | 6 - 42 mm               | 70029       | 070017D           | 4.8 / 5.90 / 18.5                   | 3.0           | 70041           | 4.7 / 14 / M3             | 70067            | 21652               | aluminium pipe (Al),                       |
|                         |                         |             |                   |                                     |               |                 |                           |                  |                     | thin-walled steel pipe (Fe),               |
| TUBE CUTTER 35 MLP      | 6 - 35 mm               | 70108       | 070188D           | 4.8 / 5.90 / 19.3                   | 4.0           | 70041           | 4.7 / 14 / M3             | 70067            | 21652               | PVC hard plastic pipe,                     |
| TUBE CUTTER 42 PRO MLP  | 6 - 42 mm               | 70109       | 070188D           | 4.8 / 5.90 / 19.3                   | 4.0           | 70041           | 4.7 / 14 / M3             | 70067            | 21652               | plastic-coated pipe                        |
| TUBE CUTTER 50          | 12 - 50 mm              | 70065       | 070017D           | 4.8 / 5.90 / 18.5                   | 3.0           | 70006           | 4.7 / 16 / M4             | -                | -                   | Multi-layered composite pipe               |
| AUTOMATIC pipe cutter   | Size 1                  | 70030       | 070017D           | 4.8 / 5.90 / 18.5                   | 3.0           | 70042           | 4.7 / 16 / M4             | -                | 21652               | Cu, Ms, Al, Fe thin-walled                 |
|                         |                         | 70031       | 070028D           | 4.8 / 5.90 / 23.6                   | 7.0           | 70042           | 4.7 / 16 / M4             | -                | 21652               | PE, PP, VPE, PB and PVDF pipes             |
|                         |                         | 70142       | 070057D           | 8.0 / 14.0 / 29.0                   | 7.0           | 751004200       | 7.9 / 23.5 / 1/4"         | -                | 21652               | thin-walled Cu, Ms, Al, Fe                 |
|                         | Size 2                  |             | 055054D           | 8.0 / 13.0 / 40.0                   | 13.0          | 751004200       | 7.9 / 23.5 / 1/4"         | -                | 21652               | PE, PP, VPE, PB and PVDF pipes             |
|                         |                         |             | 055053D           | 8.0 / 13.0 / 30.5                   | 8.0           | 751004200       | 7.9 / 23.5 / 1/4"         | -                | 21652               | thin-walled PP pipes                       |
|                         |                         |             | 055074D           | 8.0 / 11.0 / 45.0                   | 16.0          | 751004200       | 7.9 / 23.5 / 1/4"         | -                | 21652               | PE, PP, VPE, PB and PVDF pipes             |
|                         | Size 3                  |             | 055074D           | 8.0 / 11.0 / 45.0                   | 16.0          | 751004200       | 7.9 / 23.5 / 1/4"         | -                | 21652               | PE, PP, VPE, PB and PVDF pipes             |
|                         |                         |             | 055053D           | 8.0 / 11.0 / 30.5                   | 8.6           | 751004200       | 7.9 / 23.5 / 1/4"         | -                | 21652               | thin-walled PP pipes                       |
|                         |                         | 70033       |                   |                                     |               |                 |                           |                  |                     |  |
|                         |                         |             |                   |                                     |               |                 |                           |                  |                     |  |
| TUBE CUTTER 28          | 3 - 28 mm               | 70010       | 070007D           | 4.8 / 3.0 / 16.0                    | 2.5           | 70080 + 70081   | 4.7 / 9 / SR              | 80679            | -                   | Cu, Ms, Al, Fe thin-walled                 |
| TUBE CUTTER 42          | 3 - 42 mm               | 70011       | 070007D           | 4.8 / 3.0 / 16.0                    | 2.5           | 70080 + 70081   | 4.7 / 9 / SR              | 80679            | -                   | Cu, Ms, Al, Fe thin-walled                 |
| TUBE CUTTER 42 PRO PVC  | 6 - 42 mm               | 70072       | 070028D           | 4.8 / 5.90 / 23.6                   | 7.0           | 70041           | 4.7 / 14 / M3             | 70067            | -                   | PE, PP, VPE, PB and PVDF pipes             |
| Steel pipe cutter SUPER | 1/8" - 1.1/4" 1/8" - 2" | 70040 70045 | 070046D 070051D   | 7.5 / 14.0 / 25.7 9.0 / 17.0 / 31.5 | 5.5 6.0       | 701011500 70053 | 7.4 / 30 / - 8.9 / 35 / - | 70047 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 / 5.90 / 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 / 5.90 / 18.5                   | 4.0           | 70041           | 4.7 / 14 / M3             | 70068            | 21652               | Stainless steel pipe                       |
| SUPER INOX              | 1/8" - 1.1/4" 1/8" - 2" | 70086       | 070088D           | 4.8 / 5.90 / 19.3                   | 4.0           | 701011500       | 7.4 / 30 / -              | 70047            | -                   | Stainless steel pipe                       |
|                         |                         | 70087       | 070089D           | 9.0 / 19.0 / 31.5                   | 7.0           | 70053           | 8.9 / 35 / -              | 70052            | -                   | Stainless steel pipe                       |
| Chain pipe cutter       | 100 mm                  | 70285       | -                 | 4.0 / 3.80 / 17.8                   | 3.0           | -               | -                         | -                | Spare chain 70286   | Cu, Ms, Al, Fe thin-walled                 |

# Cutting

## Cutting plastic / MLP, manual

### 1 ROCUT

#### Plastic pipe shears up to Ø 75 mm (3")

The ROTHENBERGER plastic pipe shears for highest quality requirements. Knife blades deliver clean and straight cuts on pipe diameters up to 75 mm of plastic types currently used in installations. The aluminium construction makes for precise operation and long life.

#### Product profile

##### APPLICATION AREA

For precise cutting of PP, PE, PEX, PB, PVC, PVDF and MLP pipes up to Ø 75 mm

##### KEY FEATURES

- 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

##### KEY FEATURES

- Secure grip with the rubberised handles
- Shear arms lockable in transport position

##### TECHNICAL DATA

##### ROCUT Professional:

**TC 42:** Ø 0 - 42 mm

**TC 50:** Ø 0 - 50 mm

**TC 63:** Ø 0 - 63 mm

**TC 75:** Ø 0 - 75 mm

##### ROCUT Standard:

**TC 26:** Ø 0 - 26 mm

**TC 32:** Ø 0 - 32 mm

**PS 35:** Ø 6 - 35 mm

**PS 26/42:** Ø 6 - 42 mm





### ROCUT 42 Twin Cut

Shear for cutting all common plastic pipes with a diameter of 0–42 mm

With the ROCUT 42 Twin Cut you can cut faster, clean and straight and with even less effort on all common plastic pipes up to 42mm.

#### Product profile

##### APPLICATION AREA

Manual plastic pipe shear for cutting PP-, PE-, PEX-, PB- and PVDF pipes up to Ø 42 mm.

##### KEY FEATURES

- Combines due to its unique function two shears: pipes can be cut in the one cut or ratchet cut function
- With the one cut function pipes can be cut 80% faster. You also save time since little calibration is needed.<sup>1)</sup>
- Ratchet cut function: if the pipe dimension is too large or the material too thick for a one cut, the shear automatically switches into the ratchet mode

##### KEY FEATURES

- 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.<sup>2)</sup>

##### TECHNICAL DATA

**Working range direct cut:** Ø 0 – 20mm

**Working range ratchet cut:** Ø 20 – 42mm

**Blade:** V-Contour , PTFE coated

**Suitable for:** PP, PE, PEX, PB, PVDF

**Product weight:** 550g

#### PTFE coated blade

Less force needed for a straight cut

#### Innovative mechanism

Shear automatically switches from one to ratchet cut function

#### Non-slip handles

Good grip while working

#### Symmetric reset lever

Comfortable resetting for left- and right-handers

#### Two stage pipe holder

For pipes 0–20 and 20–42mm. Less cutting effort, less deformation.

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

mm

inch

g

No.

ROCUT 42 Twin Cut

0 - 42

0 - 1.5/8"

550

1

1000003011

Spare blade for ROCUT 42 Twin Cut

0 - 42

0 - 1.5/8"

120

1

1000003104

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

<sup>2)</sup> Internally tested. In comparison to the previous ROCUT TC 42 without PTFE coated blade.

# Cutting

## Cutting plastic / MLP, manual

### 1 ROCUT TC 50 / TC 75 Professional

Plastic pipe shears up to Ø 75 mm (3")



No. 52010



No. 52015

### ROCUT TC 26 / TC 32 PS 26 / PS 42 S / PS 35 S

Plastic pipe shears up to Ø 42 mm (1.5/8")  
(TC 32 for multi-layer composite pipes MLP)



No. 52005



No. 52040

### ROCUT TC 63 Professional

Plastic pipe shears up to Ø 63 mm (2.1/2")  
(TC 63 Professional for PVC pipes)



No. 55005 / No. 55015

| Model                          | mm     | inch         | g     |   | No.   |
|--------------------------------|--------|--------------|-------|---|-------|
| ROCUT TC 26                    | 0 - 26 | 0 - 1"       | 370   | 4 | 52005 |
| ROCUT TC 32                    | 0 - 32 | 0 - 1.1/4"   | 220   | 4 | 52040 |
| ROCUT PS 35                    | 6 - 35 | 1/4 - 1.3/8" | 740   | 4 | 55005 |
| ROCUT PS 26 / 42 S, adjustable | 6 - 42 | 1/4 - 1.5/8" | 950   | 1 | 55015 |
| ROCUT TC 42 Professional       | 0 - 42 | 0 - 1.5/8"   | 447   | 4 | 52000 |
| ROCUT TC 50 Professional       | 0 - 50 | 0 - 2"       | 600   | 6 | 52010 |
| ROCUT TC 63 Professional       | 0 - 63 | 0 - 2.1/2"   | 700   | 6 | 52030 |
| ROCUT TC 75 Professional       | 0 - 75 | 0 - 3"       | 1,600 | 1 | 52015 |

## ACCESSORIES

|           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| No. 52041 | No. 55006 | No. 55007 | No. 52042 | No. 52011 | No. 52031 | No. 52016 |
|           |           |           |           |           |           |           |

| Model  | mm     | inch         | g   |   | No.   |
|--|--------|--------------|-----|---|-------|
| Spare stainless steel blade for TC 32              | 0 - 32 | 0 - 1.1/4"   | 120 | 1 | 52041 |
| Spare stainless steel blade for PS 35 S            | 6 - 35 | 1/4 - 1.3/8" | 30  | 1 | 55006 |
| Spare stainless steel blade for PS 26 / 42 S       | 6 - 42 | 1/4 - 1.5/8" | 60  | 1 | 55007 |
| Spare stainless steel blade for TC 42 Professional | 0 - 42 | 0 - 1.5/8"   | 120 | 1 | 52042 |
| Spare stainless steel blade for TC 50 Professional | 0 - 50 | 0 - 2"       | 120 | 1 | 52011 |
| Spare stainless steel blade for TC 63 Professional | 0 - 63 | 0 - 2.1/2"   | 130 | 1 | 52031 |
| Spare stainless steel blade for TC 75 Professional | 0 - 75 | 0 - 3"       | 190 | 6 | 52016 |

### ROCUT 110 / ROCUT 160

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

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

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

##### KEY FEATURES

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

##### TECHNICAL DATA

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

No. 55035



**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)

No. 55063



**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)

Handheld operation



Clamping in a parallel vice



ROCUT 160 with cutter blade



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



| Model         | Working range Ø mm | kg  | No.   |
|---------------|--------------------|-----|-------|
| ROCUT 110 set | 50, 75, 110        | 3.9 | 55035 |

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

#### ACCESSORIES

| Model                              | g     | kg | No.        |
|------------------------------------|-------|----|------------|
| Cutter blade for internal deburrer | 10    | 10 | 21652      |
| ROCASE inlay                       | 377   |    | 1300005864 |
| ROCASE 4414 red w/o inlay          | 1,300 |    | 1300003541 |
| Internal deburrer with blade       | 150   |    | 55018      |





# Cutting

## Cutting plastic / MLP, manual

1



### ROCUT 110

#### Basic unit Ø 32 - 110 mm

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

| Model  | mm  | g     | No.          |
|--|-----|-------|--------------|
| Basic unit ROCUT 110                             | 110 | 2,450 | <b>55020</b> |
| Clamping set*                                    | 100 | 110   | <b>55048</b> |
| Clamping set*                                    | 90  | 150   | <b>55021</b> |
| Clamping set*                                    | 80  | 170   | <b>55047</b> |
| Clamping set*                                    | 75  | 210   | <b>55022</b> |
| Clamping set*                                    | 63  | 220   | <b>55023</b> |
| Clamping set*                                    | 56  | 270   | <b>55024</b> |
| Clamping set*                                    | 50  | 290   | <b>55025</b> |
| Clamping set*                                    | 40  | 300   | <b>55027</b> |
| Clamping set*                                    | 32  | 330   | <b>55026</b> |
| *Clamping set (1 set = 2 semi-circular segments) |     |       |              |



### ROCUT 160

#### Basic unit Ø 110 - 160 mm

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

| Model  | mm  | g     | No.          |
|--|-----|-------|--------------|
| Basic unit ROCUT 160                             | 160 | 3,450 | <b>55030</b> |
| Clamping set*                                    | 140 | 180   | <b>55031</b> |
| Clamping set*                                    | 125 | 250   | <b>55032</b> |
| Clamping set*                                    | 110 | 310   | <b>55033</b> |
| *Clamping set (1 set = 2 semi-circular segments) |     |       |              |



### HM cutter clade inserts

#### ROCUT 110 and ROCUT 160

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



### Cutter wheels

#### ROCUT 110 and ROCUT 160

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



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

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

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

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

##### TECHNICAL DATA

|            |              |                 |
|------------|--------------|-----------------|
| TC 67 PL:  | 6 - 67 mm    | 1/4 - 2.5/8"    |
| TC 125 PL: | 50 - 125 mm  | 2 - 5"          |
| TC 168 PL: | 110 - 168 mm | 4.3/8" - 6.5/8" |



No. 70033



No. 070031D

Removable  
internal pipe  
deburrer



| Model     | mm        | inch         | Cutting-<br>depth | kg  |   | No.   |
|-----------|-----------|--------------|-------------------|-----|---|-------|
| TC 67 PL  | 6 - 67    | 1/4 - 2.5/8" | 7.0               | 0.7 | 4 | 70031 |
| TC 125 PL | 50 - 125  | 2 - 5"       | 13.0              | 1.6 | 1 | 70032 |
| TC 168 PL | 110 - 168 | 4 - 6.5/8"   | 16.0              | 1.7 | 1 | 70033 |

Cutting wheels, spare parts 21

### Jacket pipe cutter

For cutting of grooved plastic protective pipe  
(corrugated hose) up to 32 mm

##### KEY FEATURES

- Ideal tool for the removal of the protective hose on pipes
- Very robust
- Simple and precise use
- Saves time in comparison to conventional use of a blade



| Model                 | mm        | No.   |
|-----------------------|-----------|-------|
| Jacket pipe cutter    | 0 - 32 mm | 21500 |
| Spare blade ROCUT PPD |           | 21505 |

# Cutting

## Cutting plastic / MLP, manual

### 1 TUBE CUTTER 35 MLP / 42 PRO MLP / 42 PRO PVC

Telescopic pipe cutter Ø 6 - 42 mm (1/4 - 1.5/8")

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES





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





##### TECHNICAL DATA

|                       |           |              |
|-----------------------|-----------|--------------|
| <b>TC 35 MLP:</b>     | 6 - 35 mm | 1/4 - 1.3/8" |
| <b>TC 42 PRO MLP:</b> | 6 - 42 mm | 1/4 - 1.5/8" |
| <b>TC 42 PRO PVC:</b> | 6 - 42 mm | 1/4 - 1.5/8" |



No. 70108

| Model                                    |  |  |  |  | No.            |
|--|---|---|---|---|----------------|
| TC 35 MLP                                | 6 - 35  | 1/4 - 1.3/8"  | 440   | 4   | <b>70108</b>   |
| Spare cutter wheel TC 35/42 MLP (5 pcs.) | 19  | 1   |   |   | <b>070188D</b> |

| Model                                 |  |  |  |  | No.            |
|---------------------------------------|---|---|---|---|----------------|
| TC 42 PRO MLP                         | 6 - 42  | 1/4 - 1.5/8"  | 510   | 1   | <b>70109</b>   |
| TC 42 PRO PVC                         | 6 - 42  | 1/4 - 1.5/8"  | 510   | 4   | <b>70072</b>   |
| Spare cutter wheel TC 42 PVC (3 pcs.) |   |   | 10  |   | <b>070028D</b> |




### ROBO Super

#### Safety saw frame

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




| Model  | Clamping width mm |  g | No.          |
|--|-------------------|---|--------------|
| ROBO Super saw frame including saw blade HSSE 4 Plus (No. 71213) | 300               | 680   | <b>71206</b> |

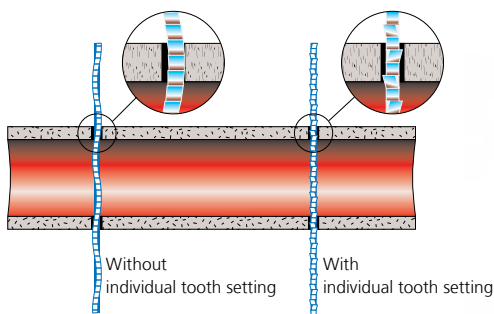
### Metal saw frame

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

Cross-slotted squared clamping piece



| Model                             | Clamping width mm |  g | No.           |
|-----------------------------------|-------------------|---|---------------|
| Metal saw frame without saw blade | 300               | 530   | <b>300013</b> |




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.

### ROBO Mini

#### Small saw frame

- Handle with ergonomic form enables powerful sawing in tight spaces
- Large dimension tightening screw





| Model   | Clamping width mm |  g | No.          |
|---|-------------------|---|--------------|
| ROBO Mini including UNIVERSAL saw blade (No. 71217) | 150               | 160   | <b>71222</b> |

### UNI small saw PUK

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



| Model  | Clamping width mm |  g |  | No.           |
|--|-------------------|---|---|---------------|
| PUK static, with UNIVERSAL saw blade               | 150               | 100   |   | <b>842100</b> |
| PUK adjustable, with UNIVERSAL saw blade (w. App.) | 150               | 140   |   | <b>71215</b>  |
| UNIVERSAL saw blade for metal                      | 150 (32 TPI)      | 20  | 12  | <b>71217</b>  |
| Saw blade for wood                                 | 150 (14 TPI)      | 20  | 12  | <b>71216</b>  |



### HSSE 4 Plus

#### Bimetal hand saw blade

Highly flexible spring band steel with fused HSSE cutter

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



| Model       | mm  | TPI |  g |  | No.          |
|-------------|-----|-----|---|---|--------------|
| HSSE 4 Plus | 300 | 24  | 20  | 100   | <b>71213</b> |

# Cutting

## Sawing, electric

### 1 PIPECUT mini

#### Cordless combi-pipe saw

New way of cutting: precise, versatile, independent

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- Copper, plastic, C-steel, cast iron or stainless steel can be reliably cut in an 90 degree angle up to a pipe diameter of 110 mm
- Cut mounting rails or threaded bolts -easy and fast
- Transform the PIPECUT mini into a circular saw, into a plunge saw or into a cross-cutting saw

##### KEY FEATURES

- Three new, high-quality saw blades
- Stationary and mobile use
- CAS battery system for maximum independence

##### TECHNICAL DATA

**Power supply:** 18V CAS battery system

**Idle speed:** 4150 rpm / 28-30 m/s

**Saw blade clamp:** Ø 20 mm

**Product dimension:** 330 x 246 x 258 mm

**Product weight:** 4.3 kg (without battery)

#### Powerful 18V battery

Up to 140 cuts with just one battery charge (18V/4.0Ah, C-steel Ø42mm)

#### 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 includes:

PIPECUT mini Baretool, guide rails for cutting pipes, DURACUT Uni saw blade, pipe support stand and ROCASE 6427 with inlay



1



No. 1000003165

| Model  | kg  |   | No.        |
|--|-----|---|------------|
| PIPECUT mini, DURACUT Uni saw blade, with pipe support stand, with ROCASE 6427   | 5.4 | 1 | 1000003374 |
| PIPECUT mini, DURACUT Uni saw blade, with pipe support stand, with ROCASE 6427, CAS battery Li-Power 4.0Ah 18V and battery charger EU                            | 6.2 | 1 | 1000003165 |
| PIPECUT mini, DURACUT Uni saw blade, with pipe support stand, with ROCASE 6427, CAS battery Li-Power 4.0Ah 18V and battery charger EU, with cross cut guide rail | 6.8 | 1 | 1000003398 |

### ACCESSORIES



| Model   | kg   |   | No.        |
|---|------|---|------------|
| DURACUT Uni saw blade   | 0.1  | 1 | 1500003621 |
| Universal saw blade for copper, plastic, profiles, threaded rods, aluminium- and decor plates | 0.1  | 1 | 1500003673 |
| DURACUT St saw blade  | 0.1  | 1 | 1500003674 |
| Steel saw blade for steel and cast iron pipes   | 0.1  | 1 | 1500003694 |
| INOX Saw blade for INOX-pipes   | 0.4  | 1 | 1500003694 |
| Cross cut guide rail  | 0.5  | 1 | 1500003693 |
| Pipe support stand  | 30.0 | 1 | 070690X    |
| Workbench installer, 1200x550x835 mm  |      |   |            |
| RO BP18/4, 4.0Ah 18V Li-Power battery   | 0.66 | 1 | 1000001653 |
| RO BP18/4, 4.0Ah 18V Li-HD battery  | 0.59 | 1 | 1000002548 |
| RO BP18/8, 8.0Ah 18V Li-HD battery  | 0.98 | 1 | 1000002549 |
| RO BC14/36 battery charger, 230V, EU  | 0.58 | 1 | 1000001654 |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries

<sup>2)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)



# Cutting

## Deburring, chamfering and calibration

### 1 Universal internal and external deburrer

#### Quick and easy deburring Ø 4 - 54 mm (1/8 - 2")

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






No. 11006



No. 1500000237



No. 1500000236

| Model  |  mm |  inch |  g | No.               |
|--|--|---|---|-------------------|
| Internal and external deburrer for copper and plastic                | 4 - 36   | 1/8 - 1.3/8"  | 30  | <b>11006</b>      |
| Internal and external deburrer for copper and INOX (stainless steel) | 6 - 35   | 1/4 - 1.3/8"  | 100   | <b>1500000237</b> |
| Internal and external deburrer for copper and INOX (stainless steel) | 10 - 54  | 1/2 - 2"  | 390   | <b>1500000236</b> |

### Deburrer adaptor I/II

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

#### Product profile

#### KEY FEATURES

- User-friendly solution for deburring pipes "internal and external"
- Saves time
- Precise, burr-free deburring without effort

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



No. 11045

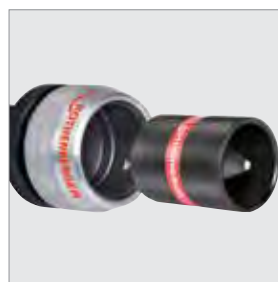


No. 11044

#### Drive shaft

For the deburring with portable screwdriver or drill

| Model                                  | g   | No.          |
|--|-----|--------------|
| Deburrer adaptor I for No. 1500000237  | 160 | <b>11044</b> |
| Deburrer adaptor II for No. 1500000236 | 280 | <b>11045</b> |



# Cutting

## Deburring, chamfering and calibration

### 1 GRATFIX HSS / UNIGRAT

#### Deburrer

##### KEY FEATURES

- 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!





UNIGRAT (No. 21660)



GRATFIX HSS (No. 21655)



Nr. 1 (No. 21652)

| Model                                      |  g |  | No.          |
|--|---|---|--------------|
| UNIGRAT with HSS deburring blade           | 30  | 10  | <b>21660</b> |
| GRATFIX with deburring blade No. 1         | 50  |   | <b>21655</b> |
| GRATFIX with deburring blade No. 1 - 2 - 3 | 80  |   | <b>21651</b> |
| HSS deburring blade No. 1 Universal        | 10  | 10  | <b>21652</b> |





## ROGRAT MLP deburrer and chamfering tool

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

### KEY FEATURES

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

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

### True to size guiding and calibration pin

Increased safety, protects O-ring from damage

### Star handle with screw-bit attachment and quick locking mechanism

High force transmission


### Shock-resistant protective sleeve

Protects from injury

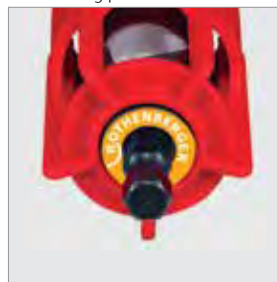


Fig. ROGRAT MLP deburrer set

## ROGRAT MLP system - manual chamfering attachments

| ROGRAT type | Press system | Pipe measurement mm | Color code |  | No.   |
|-------------|--------------|---------------------|------------|---|-------|
| TH 16       | Henco / MHS  | 16.0 x 2.00         | ●          | 53  | 14122 |
| TH 26       |              | 26.0 x 3.00         | ●          | 108   | 14126 |


### Color coding prevents confusion



### System optimised chamfer



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

| Model        | For size mm  |  | No.   |
|--------------|--------------|---|-------|
| TH Henco/HMS | 16 - 20 - 26 | 760   | 14250 |
| Basic handle |              | 250   | 14000 |





# RODIA

## diamond core drilling

|  |         |
|--|---------|
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| Characteristics diamond drill bits                           | 40      |
| <b>Hand-operated drilling</b>                                |         |
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# RODIA diamond core drilling

## System overview

2

### Hand-operated drilling

**RODIADRILL  
Ceramic**



**RODIADRILL 160**



**RODIADRILL 200**



**RODIACUT 150,  
RODIADRILL 160**



|  | Hand-operated     | Hand-operated   | Hand-operated           | Hand-operated / stationary |
|--|-------------------|-----------------|-------------------------|----------------------------|
| <b>Stationary drilling in concrete:</b>    | Ø 6 - 67 mm       | Ø 10 - 132 mm   | Ø 10 - 200 mm           | Ø 10 - 132 mm              |
| <b>Stationary drilling in masonry:</b>     | Ø 6 - 67 mm       | Ø 32 - 162 mm   | Ø 32 - 225 mm           | Ø 10 - 152 mm              |
| <b>Hand-operated drilling in concrete:</b> | Ø 6 - 35 mm       | Ø 10 - 82 mm    | Ø 10 - 82 mm            | Ø 10 - 82 mm               |
| <b>Hand-operated drilling in masonry:</b>  | Ø 6 - 67 mm       | Ø 32 - 162 mm   | Ø 32 - 250 mm           | Ø 32 - 162 mm              |
| <b>Power output:</b>                       | 800 W             | 1,400 W         | 2,400 W                 | 1,400 W                    |
| <b>Speed transmission:</b>                 | 2-gear            | 2-gear          | 3-gear                  | 2-gear                     |
| <b>Nominal speed:</b>                      | 3,600 / 6,400 rpm | 500 / 1,050 rpm | 600 / 1,250 / 3,200 rpm | 500 / 1,050 rpm            |
| <b>Torque:</b>                             | 4 / 7 Nm          | 55 / 27 Nm      | 71 / 34 / 17 Nm         | 55 / 27 Nm                 |
| <b>Weight:</b>                             | 3.4 kg            | 6.7 kg          | 7.2 kg                  | 16.7 kg                    |

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### Drill bits

**High SPEED Plus-natural stone\***



**DX- High SPEED Plus\***



**SPEED STAR DX\***



|                             |  |  |  |
|-----------------------------|--|--|--|
| <b>Connection:</b>          | G 1/2"   | G 1/2", 1.1/4" UNC   | G 1/2", 1.1/4" UNC   |
| <b>Drill bit diameter:</b>  | Ø 6 - 67 mm                                    | Ø 20 - 300 mm  | Ø 10 - 500 mm  |
| <b>Working length:</b>      | up to Ø 10 mm = 50 mm<br>from Ø 12 mm = 120 mm | G 1/2", 400 mm working length<br>1.1/4" UNC, 430 mm working length | G 1/2", 400 mm working length<br>1.1/4" UNC, 430 mm working length |
| <b>Application:</b>         | wet  | wet and dry  | wet and dry  |
| <b>Tiles:</b>               | ☺☺☺  | ☺  | ☺☺   |
| <b>Granite:</b>             | ☺☺☺  | ☺  | ☺☺   |
| <b>Marble:</b>              | ☺☺☺  | ☺  | ☺☺   |
| <b>Brick:</b>               | ☺☺   | ☺☺☺**  | ☺☺☺**  |
| <b>Masonry:</b>             | ☺  | ☺☺☺**  | ☺☺**   |
| <b>Lime-sand brick:</b>     | ☺  | ☺☺☺**  | ☺☺**   |
| <b>Asphalt:</b>             | ☺☺   | ☺☺☺**  | ☺☺☺**  |
| <b>Screed:</b>              | ☺☺   | ☺☺☺  | ☺☺   |
| <b>Concrete:</b>            | ☺☺☺  | ☺☺☺  | ☺☺   |
| <b>Reinforced concrete:</b> | ☺☺☺  | ☺☺   | ☺☺☺  |

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\* Special lengths and diameters on request, \*\* Suitable for dry drilling, ☺☺☺ Ideally suited ☺☺ Very suitable ☺ Suitable

### Stationary drilling

**RODIACUT 150,  
RODIADRILL 200**



**RODIACUT 250,  
RODIADRILL 200**



**RODIACUT 250,  
RODIADRILL 500**



**RODIACUT 400 PRO,  
RODIADRILL 500**



|  | Hand-operated / stationary | Hand-operated / stationary | Stationary          | Stationary           |
|--|----------------------------|----------------------------|---------------------|----------------------|
| <b>Stationary drilling in concrete:</b>    | Ø 10 - 152 mm              | Ø 10 - 200 mm              | Ø 32 - 250 mm       | Ø 32 - 400* (500) mm |
| <b>Stationary drilling in masonry:</b>     | Ø 10 - 152 mm              | Ø 32 - 225 mm              | Ø 32 - 250 mm       | Ø 32 - 400* (500) mm |
| <b>Hand-operated drilling in concrete:</b> | Ø 10 - 82 mm               | Ø 10 - 82 mm               |                     |                      |
| <b>Hand-operated drilling in masonry:</b>  | Ø 32 - 250 mm              | Ø 32 - 250 mm              |                     |                      |
| <b>Power output:</b>                       | 2,400 W                    | 2,400 W                    | 3,000 W             | 3,000 W              |
| <b>Speed transmission:</b>                 | 3-gear                     | 3-gear                     | 3-gear              | 3-gear               |
| <b>Nominal speed:</b>                      | 600 / 1,250 / 3,200 rpm    | 600 / 1,250 / 3,200 rpm    | 215 / 430 / 785 rpm | 215 / 430 / 785 rpm  |
| <b>Torque:</b>                             | 71 / 34 / 17 Nm            | 71 / 34 / 17 Nm            | 185 / 107 / 55 Nm   | 185 / 107 / 55 Nm    |
| <b>Weight:</b>                             | 17.2 kg                    | 25.2 kg                    | 30.1 kg             | 39.8 kg              |

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\* Drilling range with distance plate expandable up to 500 mm

# RODIA diamond core drilling

## Characteristics diamond drill bits

### Space welding

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

#### SPACE WELDING

**Wet and dry drilling with new technology:**

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

### PRISMACUT

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

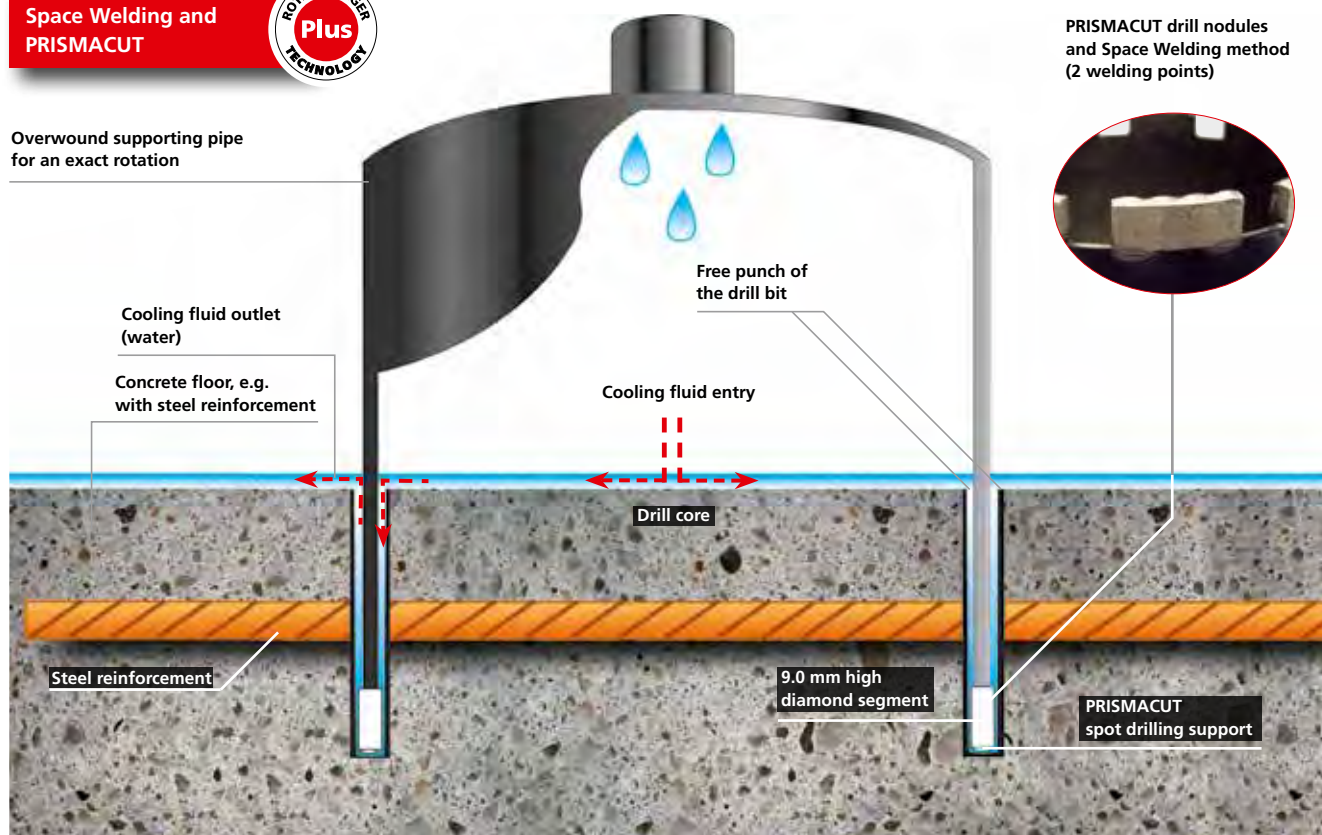
#### PRISMACUT

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

#### Space Welding and PRISMACUT



Overwound supporting pipe for an exact rotation



### DX High Speed Plus universal drill bits

Space welding universal wet and dry drill bits for Ø 10 - 300 mm



DX-HIGH SPEED PLUS  
universal drill bits on  
page 47

### SPEED STAR DX

Space welding wet and dry drill bits for different diameters in the range of 10 - 500 mm



SPEED STAR DX  
drill bits on page 48



# RODIA diamond core drilling

## Hand-operated and stationary drilling

### RODIADRILL Ceramic

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

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



2

#### Product profile

##### APPLICATION AREA

##### Hand-operated wet drilling in:

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

##### KEY FEATURES

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

##### TECHNICAL DATA

|                                    |                                |               |
|------------------------------------|--------------------------------|---------------|
| <b>2-speed transmission:</b>       | 1. gear speed                  | 2. gear speed |
| <b>Nominal speed:</b>              | 3,600 rpm                      | 6,400 rpm     |
| <b>Drilling range in mm:</b>       | Ø 25 - 67                      | Ø 6 - 25      |
| <b>Voltage:</b>                    | 230 V                          |               |
| <b>Power input/output:</b>         | 1,150 W / 800 W                |               |
| <b>Charging rate:</b>              | 3.6 A                          |               |
| <b>Maximum drilling depth:</b>     | 400 mm (depending on material) |               |
| <b>Minimum distance to wall:</b>   | 30 mm from drill hole center   |               |
| <b>Minimum distance to corner:</b> | 30 mm from drill hole center   |               |
| <b>Weight:</b>                     | 3.4 kg                         |               |

#### Integrated 1 litre water tank

Sufficient supply for 4 - 6 drill holes and can be rotated when working in confined spaces

#### Quick change system drill bit adaptor

Toolless quick change for G 1/2" drill bits

#### Connection for external water supply

Ideal solution for serial drillings

**11-part set (No. FF40150) includes:** drill motor RODIADRILL Ceramic (No. FF40150), 1 high speed plus drill bit each Ø 6 - 10 mm (No. FF44806, FF44808, FF44810), 3 x quick change adapter (No. FF35751), spanners sizes 24 and 27 (No. FF70024, FF70027), hexagonal key (No. 321523), ROCASE 6414 (No. 1300003336), ROCASE inlay (No. 1300005582)

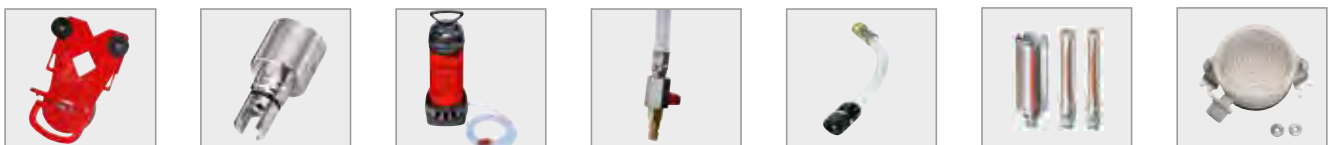
| Model                  | kg  | No.     |
|------------------------|-----|---------|
| RODIADRILL Ceramic set | 3.4 | FF40150 |



"Aqua-stop button" – water pressure valve with quantity adjustment

Perfectly regulated flow of the water quantity

#### ACCESSORIES



| Model                            | No.        | Model                              | No.        |
|----------------------------------|------------|------------------------------------|------------|
| Quick change adaptor             | FF35751    | Water supply hose with "aqua-stop" | FF35302    |
| Pressurized water container 10 l | 52 FF35028 | HSP Nature stone drill bits        | 48         |
| Special water supply hose        | FF35301    | Water collection ring, stationary  | 52 FF35700 |

<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
RO SERVICE+ only valid in participating countries

# RODIA diamond core drilling

## Hand-operated and stationary drilling

### 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

#### Product profile

##### APPLICATION AREA

###### RODIADRILL 160:

Stationary wet drilling in (reinforced) concrete: Ø 10 - 132 mm  
Hand-operated wet drilling in (reinforced) concrete: Ø 10 - 82 mm  
Hand-operated dry drilling in masonry: Ø 10 - 162 mm

##### TECHNICAL DATA (DRILL STAND)

###### RODIACUT 150:

Drilling range: Without water collection ring max. Ø 152 mm  
With water collection ring max. Ø 132 mm

###### Drill motor

adaptor: Ø 60 mm

L x W x H: 280 x 440 x 810 mm

Hub: 480 mm

Weight: 9.7 kg

### 3 applications with just one unit



### RODIACUT 150 / RODIADRILL 200

RODIACUT 150 drill stand with combination drill mounting plate and RODIADRILL 200 drill motor for drilling Ø 10 - 152 mm (Ø 250 mm) in reinforced concrete

#### Product profile

##### APPLICATION AREA

###### RODIADRILL 200:

Stationary wet drilling in (reinforced) concrete: Ø 10 - 132 mm  
Hand-operated wet drilling in (reinforced) concrete: Ø 10 - 82 mm  
Hand-operated dry drilling in masonry: Ø 10 - 162 mm

### 3 applications with just one unit



# RODIA diamond core drilling

## Hand-operated and stationary drilling

### RODIADRILL 160

Drill motor



#### TECHNICAL DATA (DRILL MOTOR)

|                       |                       |           |
|-----------------------|-----------------------|-----------|
| Drill motor:          | RODIADRILL 160        |           |
| Threaded adaptor:     | G 1/2" and 1.1/4" UNC |           |
| Power input / output: | 2,000 W / 1,400 W     |           |
| 2-speed-transmission: | 1. gear               | 2. gear   |
| Nominal speed:        | 500 rpm               | 1,050 rpm |
| Torque:               | 55 Nm                 | 27 Nm     |
| Clamping neck:        | Ø 60 mm               |           |

### RODIADRILL 200

Drill motor



#### TECHNICAL DATA (DRILL MOTOR)

|                       |                       |           |           |
|-----------------------|-----------------------|-----------|-----------|
| Drill motor:          | RODIADRILL 200        |           |           |
| Threaded adaptor:     | G 1/2" and 1.1/4" UNC |           |           |
| Power input / output: | 2,700 W / 2,400 W     |           |           |
| 3-speed transmission: | 1. gear               | 2. gear   | 3. gear   |
| Nominal speed:        | 600 rpm               | 1,250 rpm | 3,200 rpm |
| Torque:               | 71 Nm                 | 34 Nm     | 17 Nm     |
| Clamping neck:        | Ø 60 mm               |           |           |



**Set (No. FF34150) includes:** Drill stand RODIACUT 150 (No. FF30150), drill motor RODIADRILL 160 (No. FF40165), tool bag (No. FF70001), spanner SW19 DIN895 (No. FF70019N), spanner SW24 DIN894 (No. FF70024), spanner SW36 DIN894 (No. FF70036), spanner SW41 DIN894 (No. FF70041), concrete fixing set (No. FF35120), water supply hose + adaptor for Gardena coupling (No. FF35302), hammer drill SDS Plus 15x160mm (No. 111429), copper ring 1.1/4" (No. FF35190), instruction manual drill stand RODIACUT 150-250 (No. 1300002467), instruction manual RODIADRILL 160+200 (No. 1300002468), earplugs SaveRave (No. 4100000439), rubberized gloves (No. 4100000443), safety goggle HC/AF (No. 4100000441)

**Set (No. FF34160) includes:** Drill stand RODIACUT 150 (No. FF30150), drill motor RODIADRILL 200 (No. FF40220), tool bag (No. FF70001), spanner SW19 DIN895 (No. FF70019N), spanner SW24 DIN894 (No. FF70024), spanner SW36 DIN894 (No. FF70036), spanner SW41 DIN894 (No. FF70041), concrete fixing set (No. FF35120), water supply hose + adaptor for Gardena coupling (No. FF35302), hammer drill SDS Plus 15x160mm (No. 111429), copper ring 1.1/4" (No. FF35190), instruction manual drill stand RODIACUT 150-250 (No. 1300002467), instruction manual RODIADRILL 160+200 (No. 1300002468), earplugs SaveRave (No. 4100000439), rubberized gloves (No. 4100000443), safety goggle HC/AF (No. 4100000441)

| Model                                    | kg   | No.            |
|--|------|----------------|
| Drill system RODIACUT 150/RODIADRILL 160 | 16.5 | <b>FF34150</b> |
| Drill stand RODIACUT 150                 | 9.7  | <b>FF30150</b> |
| Drill motor RODIADRILL 160               | 6.8  | <b>FF40165</b> |
| Drill system RODIACUT 150/RODIADRILL 200 | 16.9 | <b>FF34160</b> |
| Drill motor RODIADRILL 200               | 7.2  | <b>FF40220</b> |

### ACCESSORIES



| Model                            | No.               | Model   | No.               |
|----------------------------------|-------------------|---|-------------------|
| RODIADRILL Ceramic               | <b>41 FF40150</b> | RODIA DRY CLEANER 1600                              | <b>53 FF35144</b> |
| Pressurized water container 10 l | <b>52 FF35028</b> | Water collection ring, stationary (for No. FF30150) | <b>52 FF35700</b> |
| Vacuum pump RODIA-VAC            | <b>51 FF35200</b> | Drill bits  | <b>48 - 50</b>    |

<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
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# RODIA diamond core drilling

## Hand-operated and stationary drilling

### 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

| Product profile                                    |   |
|--|---|
| APPLICATION AREA                                   |   |
| <b>RODIADRILL 200:</b>                             |   |
| Stationary wet drilling in reinforced concrete:    | Ø 10 - 200 mm   |
| Stationary dry drilling in masonry:                | Ø 10 - 225 mm   |
| Hand-operated wet drilling in reinforced concrete: | Ø 10 - 82 mm  |
| Hand-operated dry drilling in masonry:             | Ø 10 - 250 mm   |
| TECHNICAL DATA (DRILL STAND)                       |   |
| <b>RODIACUT 250:</b>                               |   |
| <b>Drilling range:</b>                             | Without water collection ring max. Ø 250 mm<br>With water collection ring max. Ø 225 mm |
| <b>Drill motor-adaptor:</b>                        | Clamping neck Ø 60 mm and quick change recording via dovetail plate                     |
| <b>L x W x H:</b>                                  | 260 x 510 x 980 mm  |
| <b>Hub:</b>  | 650 mm  |
| <b>Weight:</b>                                     | 19.7 kg   |

### 4 applications with just one unit



### RODIACUT 250 / RODIADRILL 500

RODIACUT 250 drill stand with combination drill mounting plate and RODIADRILL 500 drill motor for drilling Ø 10 - 250 mm in reinforced concrete

| Product profile                                 |               |
|---|---------------|
| APPLICATION AREA                                |               |
| <b>RODIADRILL 500:</b>                          |               |
| Stationary dry drilling in reinforced concrete: | Ø 32 - 250 mm |
| Stationary dry drilling in masonry:             | Ø 32 - 250 mm |

### 2 applications with just one unit



# RODIA diamond core drilling

## Hand-operated and stationary drilling

### RODIADRILL 200

Drill motor



#### TECHNICAL DATA (DRILL MOTOR)

|                       |                             |
|-----------------------|-----------------------------|
| Drill motor:          | RODIADRILL 200              |
| Threaded adaptor:     | G 1/2" and 1.1/4" UNC       |
| Power input / output: | 2,700 W / 2,400 W           |
| 3-speed transmission: | 1. gear 2. gear 3. gear     |
| Nominal speed:        | 600 rpm 1,250 rpm 3,200 rpm |
| Torque:               | 71 Nm 34 Nm 17 Nm           |
| Clamping neck:        | Ø 60 mm                     |

### RODIADRILL 500

Drill motor



#### TECHNICAL DATA (DRILL MOTOR)

|                       |   |
|-----------------------|---|
| Drill motor:          | RODIADRILL 500                            |
| Threaded adaptor:     | G 1/2" and 1.1/4" UNC                     |
| Power input / output: | 4,000 W / 3,000 W                         |
| 3-speed transmission: | 1. gear 2. gear 3. gear                   |
| Nominal speed:        | 215 rpm 430 rpm 785 rpm                   |
| Torque:               | 185 Nm 107 Nm 55 Nm                       |
| Drill motor adaptor:  | Quick-change recording via dovetail plate |



**Set (No. FF34200) includes:** drill stand RODIACUT 250 (No. FF30250), drill motor RODIADRILL 200 (No. FF40220), tool bag (No. FF70001), spanner SW19 DIN895 (No. FF70019N), spanner SW24 DIN894 (No. FF70024), spanner SW36 DIN894 (No. FF70036), spanner SW41 DIN894 (No. FF70041), concrete fixing-set (No. FF35120), water supply hose + adaptor for Gardena coupling (No. FF35302), hammer drill SDS Plus 15x160mm (No. 111429), copper ring 1.1/4" (No. FF35190), instruction manual drill stand RODIACUT 150-250 (No. 1300002467), instruction manual RODIADRILL 160+200 (No. 1300002468), earplugs SaveRave (No. 4100000439), rubberized gloves (No. 4100000443), safety goggle HC/AF (No. 4100000441)

**Set (No. FF34260) includes:** drill stand RODIACUT 150 (No. FF30250), 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 15x160mm (No. 111429), copper ring 1.1/4" (No. FF35190), instruction manual drill stand RODIACUT 150-250 (No. 1300002467), instruction manual RODIADRILL 500 (No. 1300002469), earplugs SaveRave (No. 4100000439), rubberized gloves (No. 4100000443), safety goggle HC/AF (No. 4100000441)

| Model                                    | kg   | No.            |
|--|------|----------------|
| Drill system RODIACUT 250/RODIADRILL 200 | 21.7 | <b>FF34200</b> |
| Drill stand RODIACUT 250                 | 14.5 | <b>FF30250</b> |
| Drill motor RODIADRILL 200               | 7.2  | <b>FF40220</b> |
| Drill system RODIACUT 250/RODIADRILL 500 | 31.4 | <b>FF34260</b> |
| Drill motor RODIADRILL 500               | 12.1 | <b>FF40400</b> |

#### ACCESSORIES



| Model                            |    | No.            | Model   |         | No.            |
|----------------------------------|----|----------------|---|---------|----------------|
| RODIADRILL Ceramic               | 41 | <b>FF40150</b> | RODIA DRY CLEANER 1600                              | 53      | <b>FF35144</b> |
| Pressurized water container 10 l | 52 | <b>FF35028</b> | Water collection ring, stationary (for No. FF30150) | 52      | <b>FF35700</b> |
| Vacuum pump RODIA-VAC            | 51 | <b>FF35200</b> | Drill bits  | 48 - 50 |                |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
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# RODIA diamond core drilling

## Stationary drilling

### RODIACUT 400 PRO / RODIADRILL 500

RODIACUT 400 drill stand with dowel plate and RODIADRILL 500 for drilling Ø 32 - 400 (500)\* mm in reinforced concrete



2

#### Product profile

##### APPLICATION AREA

##### 2 applications in one unit:

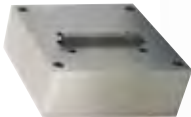
|  |                |
|--|----------------|
| Stationary wet drilling in (reinforced) concrete | Ø 32 - 400* mm |
| Stationary dry drilling in masonry               | Ø 32 - 400* mm |

##### KEY FEATURES

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

#### TECHNICAL DATA (DRILL STAND)

|                        |  |
|------------------------|--|
| <b>Drilling range:</b> | W/o water collection ring: max. Ø 400 mm<br>Optional with distance plate max. Ø 500 mm |
| <b>Weight:</b>         | 28.4 kg  |
| <b>L x W x H:</b>      | 460 x 260 x 1,100 mm   |
| <b>Hub:</b>            | 680 mm   |



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

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



#### 4x 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





### RODIADRILL 500


#### Drill motor



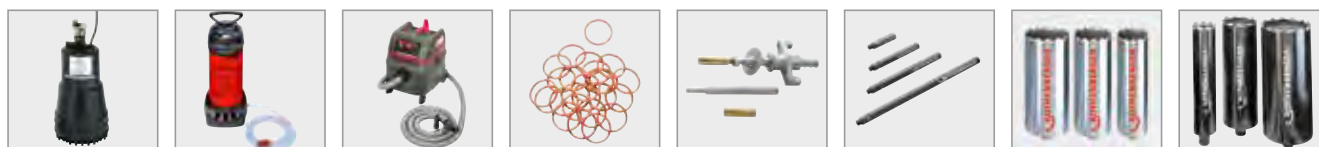
**Set (No. FF34500) includes:** drill stand RODIACUT 400 PRO (No. FF30030), drill motor RODIADRILL 500 (No. FF40400), tool bag (No. FF70001), spanner SW19 DIN895 (No. FF70019N), spanner SW24 DIN894 (No. FF70024), spanner SW32 DIN894 (No. FF70032), spanner SW41 DIN894 (No. FF70041), concrete fixing-set (No. FF35120), water supply hose + adaptor for Gardena coupling (No. FF35302), hammer drill SDS Plus 15x160mm (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)



#### TECHNICAL DATA (DRILL MOTOR)

|                              |                               |
|------------------------------|-------------------------------|
| <b>Drill motor:</b>          | RODIADRILL 500                |
| <b>Threaded adaptor:</b>     | G 1/2" and 1.1/4" UNC         |
| <b>Power input / output:</b> | 4,000 W / 3,000 W             |
| <b>3-speed transmission:</b> | 1. gear    2. gear    3. gear |
| <b>Nominal speed:</b>        | 215 rpm   430 rpm   785 rpm   |
| <b>Torque:</b>               | 185 Nm   107 Nm   55 Nm       |
| <b>Drill motor adaptor:</b>  | Dovetail plate                |

| Model  |  kg | No.            |
|--|--|----------------|
| Drill system RODIACUT 400 PRO / RODIADRILL 500 | 40.5   | <b>FF34500</b> |
| Drill stand RODIACUT 400 PRO                   | 28.4   | <b>FF30030</b> |
| Drill motor RODIADRILL 500                     | 12.1   | <b>FF40400</b> |

#### ACCESSORIES



| Model                            |  | No.            | Model                |  | No.            |
|----------------------------------|---|----------------|----------------------|---|----------------|
| Submersible water pump RODIAPUMP | 52  | <b>FF35029</b> | Drill bits           | 48 - 50   |                |
| Pressurized water container 10 l | 52  | <b>FF35028</b> | Distance plate 60 mm |   | <b>FF35136</b> |
| RODIA DRY CLEANER 1600           | 53  | <b>FF35144</b> | Copper rings 1.1/4"  | 51  | <b>FF35190</b> |
| Mounting articles                | 51  |                | Extensions           | 52  |                |

# RODIA diamond core drilling

## Diamond-drill bits

### High Speed Plus natural stone

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

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



#### Product profile

##### APPLICATION AREA

**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

##### KEY FEATURES

- 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

##### KEY FEATURES

- Drill holes on the seam or edge of material possible with the use of diamond rings
- Conventional G 1/2" threaded attachments

##### TECHNICAL DATA

###### G 1/2" adaptor

| Drill bits               | Segment   | Segment dimensions (L x W x H) |
|--------------------------|---|--------------------------------|
| Ø 6 - 40 mm              | Ring segments                                   | Ring x (1.15 - 2.0) x 9 mm     |
| Ø 45 - 67 mm*            | 4 - 6   | 24 x 2.5 x 8 mm                |
| <b>Effective length:</b> | Ø 6.3 - 10 mm = 50 mm                           |                                |
|                          | Ø 12 - 67 mm = 120 mm                           |                                |
|                          | Special length of 300 mm available upon request |                                |

\*Single segment mounting from Ø 45 mm

9 mm high segments with high diamond concentration

Extremely easy cutting, very long service life in granite tiles

Threaded adaptor G 1/2"

Suitable for all other ROTHENBERGER drilling machines



Overwound drill bits

Balanced rotation reduces wear

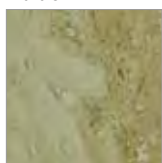
Drilling of the hardest materials



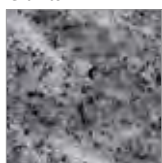
Reinf. concrete



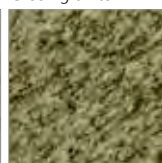
Marble



Granite



Green granite



Masonry



Hollow brickwork



Aerated concrete



Asphalt



#### Suitable for



RD 160



Ceramic



RD 200

| Ø mm | kg   | Adaptor G 1/2" No. | Ø mm | kg   | Adaptor G 1/2" No. | Ø mm | kg   | Adaptor G 1/2" No. | Ø mm | kg   | Adaptor G 1/2" No. |
|------|------|--------------------|------|------|--------------------|------|------|--------------------|------|------|--------------------|
| 6.3  | 0.17 | FF44806            | 15   | 0.20 | FF44815            | 30   | 0.25 | FF44830            | 67*  | 0.79 | FF44867            |
| 8.3  | 0.17 | FF44808            | 16   | 0.20 | FF44816            | 35   | 0.30 | FF44835            |      |      |                    |
| 10   | 0.17 | FF44810            | 20   | 0.22 | FF44820            | 40   | 0.34 | FF44840            |      |      |                    |
| 12   | 0.19 | FF44812            | 22   | 0.22 | FF44822            | 50*  | 0.60 | FF44850            |      |      |                    |
| 14   | 0.20 | FF44814            | 24   | 0.22 | FF44824            | 60*  | 0.72 | FF44860            |      |      |                    |

\* with single segment mounting

### DX High Speed Plus universal drill bits

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

Space Welding and  
PRISMACUT



2

#### Product profile

##### APPLICATION AREA

**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

##### KEY FEATURES

- 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

#### Suitable for



RD 160\*



RD 200\*



RD 500\*

We recommend the optional extraction rotor when using as a dry drill bit

**Highest service life and  
universal application!**

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

Suitable for all other  
ROTHENBERGER  
drilling machines



**Special segment mix**

Quicker drilling progress  
and extremely long service life

**Extremely easy cuts,  
safe cuts in hand  
operated use**

**Space welding**

Allows wet and dry use

**Overwound drill bits**

Balanced rotation reduces wear

Marble



Masonry



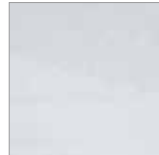
Hollow brickwork



Pavement



Lime sand brick



Reinf. concrete



| Ø mm | kg  | Adaptor<br>G 1/2" No. |
|------|-----|-----------------------|
| 20   | 0.5 | FF44620               |
| 30   | 0.6 | FF44630               |
| 40   | 0.7 | FF44640               |
| 52   | 0.9 | FF44650               |
| 62   | 1.2 | FF44660               |
| 72   | 1.4 | FF44670               |

| Ø mm | kg  | Adaptor<br>G 1/2" No. |
|------|-----|-----------------------|
| 82   | 1.6 | FF44680               |
| 92   | 1.9 | FF44690               |
| 102  | 2.1 | FF44700               |
| 112  | 2.4 | FF44710               |
| 122  | 2.6 | FF44720               |
| 132  | 2.9 | FF44730               |

| Ø mm | kg  | Adaptor<br>1.1/4" No. |
|------|-----|-----------------------|
| 30   | 0.7 | FF44030               |
| 40   | 1.2 | FF44040               |
| 52   | 1.6 | FF44050               |
| 62   | 1.9 | FF44060               |
| 72   | 2.3 | FF44070               |
| 82   | 2.6 | FF44080               |
| 92   | 3.0 | FF44090               |
| 102  | 3.4 | FF44100               |
| 112  | 3.8 | FF44110               |
| 122  | 4.2 | FF44120               |

| Ø mm | kg   | Adaptor<br>1.1/4" No. |
|------|------|-----------------------|
| 132  | 4.6  | FF44130               |
| 142  | 5.0  | FF44140               |
| 152  | 6.4  | FF44150               |
| 162  | 7.0  | FF44160               |
| 172  | 7.5  | FF44170               |
| 182  | 8.0  | FF44180               |
| 200  | 9.0  | FF44200               |
| 220  | 11.4 | FF44220               |
| 250  | 13.6 | FF44250               |
| 300  | 19.3 | FF44300               |

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



# RODIA diamond core drilling

## Diamond-drill bits

### SPEED STAR DX

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

Space welding and  
PRISMACUT



#### Product profile

##### APPLICATION AREA

**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

##### KEY FEATURES

- 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                    | Segment | Segment dimensions (L x W x H) |
|-------------------------------|---------|--------------------------------|
| Ø 10 - 38 mm                  | 1       | 16 x 3.0 x 7.0 mm              |
| Ø 40 - 48 mm                  | 1 - 4   | 24 x 3.0 x 9.0 mm              |
| Ø 50 - 55 mm                  | 5 - 6   | 24 x 3.5 x 9.0 mm              |
| Ø 56 - 72 mm                  | 6 - 7   | 24 x 3.5 x 9.0 mm              |
| Ø 75 - 102 mm                 | 7 - 8   | 24 x 3.5 x 9.0 mm              |
| Ø 107 - 142 mm                | 9 - 11  | 24 x 4.0 x 9.0 mm              |
| Ø 142 - 182 mm                | 11 - 14 | 24 x 4.0 x 9.0 mm              |
| Ø 182 - 250 mm                | 14 - 16 | 24 x 4.0 x 9.0 mm              |
| Ø 300 - 500 mm                | 16 - 26 | 20 x 5.0 x 9.0 mm              |
| <b>Connection G 1/2":</b>     |         | Effective length 400 mm        |
| <b>Connection 1.1/4" UNC:</b> |         | Effective length 430 mm        |

#### PRISMACUT

For better drill behaviour

Extremely high  
diamond concentration

Faster drilling progress

#### Suitable for



RD 160\*



RD 200\*



RD 500\*

Special drill bits for asphalt, pavement  
as well as special lengths up to 1000 mm  
available upon request !

\* We recommend the optional extraction  
rotor when used as a dry drill bit

#### 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



| Ø mm | kg  | Adaptor<br>G 1/2" No. | Ø mm | kg  | Adaptor<br>G 1/2" No. | Ø mm | kg  | Adaptor<br>1.1/4" No. | Ø mm | kg   | Adaptor<br>1.1/4" No. |
|------|-----|-----------------------|------|-----|-----------------------|------|-----|-----------------------|------|------|-----------------------|
| 10   | 0.3 | FF00610               | 56   | 1.2 | FF00655               | 25   | 0.6 | FF00025               | 132  | 4.6  | FF00130               |
| 12   | 0.4 | FF00612               | 66   | 1.3 | FF00665               | 30   | 0.7 | FF00030               | 142  | 5.0  | FF00140               |
| 16   | 0.4 | FF00616               | 76   | 1.5 | FF00675               | 46   | 1.4 | FF00045               | 152  | 6.4  | FF00150               |
| 18   | 0.4 | FF00618               | 82   | 1.6 | FF00680               | 52   | 1.6 | FF00050               | 162  | 7.0  | FF00160               |
| 20   | 0.5 | FF00620               | 102  | 2.1 | FF00700               | 56   | 1.7 | FF00055               | 200  | 9.0  | FF00200               |
| 25   | 0.5 | FF00625               | 112  | 2.4 | FF00710               | 66   | 2.1 | FF00065               | 250  | 13.6 | FF00250               |
| 32   | 0.6 | FF00632               | 132  | 2.9 | FF00730               | 76   | 2.4 | FF00075               | 280  | 17.6 | FF00280               |
| 40   | 0.7 | FF00640               |      |     |                       | 102  | 3.4 | FF00100               | 300  | 19.3 | FF00300               |
| 46   | 0.7 | FF00645               |      |     |                       | 112  | 3.8 | FF00110               | 350  | 23.6 | FF00350               |
| 52   | 0.9 | FF00650               |      |     |                       | 122  | 4.2 | FF00120               | 500  | 39.1 | FF00500               |

# RODIA diamond core drilling

## Accessories for hand-operated and stationary drilling

### Vacuum pump RODIA-VAC

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



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

10 l extraction tank

Safety during a power failure

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



### Vacuum-sets

No. FF35710  
No. FF35740



### 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.



No. FF35015

| Model  | kg   | No.            |
|--|------|----------------|
| Quick clamping column                          | 9.0  | <b>FF35015</b> |
| Vacuum pump RODIA-VAC 230 V                    | 20.0 | <b>FF35200</b> |
| Vacuum set for RC 150/170 PRO-C                | 1.1  | <b>FF35710</b> |
| Spare foamed rubber for drill base RC 150 etc. | 0.1  | <b>FF50007</b> |
| Vacuum set for RC 250/270 PRO-C                | 1.1  | <b>FF35740</b> |
| Spare foamed rubber for drill base RC 250 etc. | 0.1  | <b>FF50008</b> |

### Concrete / masonry fixing set

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)

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)



No. FF35120



No. FF35121

### Thread interfaces

Between motor connection and drill bit



No. FF35095



No. FF35080



No. FF35091

### Copper rings 1.1/4"

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



### Special diamond drills for tiles and natural stone

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

#### Special diamond drills

For tiles and natural stone



No. FF44815



No. FF44820

### SDS-plus hammer drill



| Model  | kg   | No.            |
|--|------|----------------|
| Concrete fixing set                            | 1.90 | <b>FF35120</b> |
| Drive-in anchor concrete M12                   | 0.04 | <b>FF35122</b> |
| Threaded rod, B15 concrete set                 | 0.20 | <b>FF35129</b> |
| Threaded rod, B15 masonry                      | 0.30 | <b>FF35130</b> |
| SDS-plus hammer drill Ø 15 mm, wl. 160 mm      | 0.16 | <b>111429*</b> |
| Wet drill bit Ø 15 mm, G1/2"                   | 0.20 | <b>FF44815</b> |
| Masonry fixing set                             | 1.10 | <b>FF35121</b> |
| Rawl anchor M 12                               | 0.08 | <b>FF35126</b> |
| Wet drill bit Ø 20 mm, G1/2"                   | 0.22 | <b>FF44820</b> |
| G 1/2" outer thread to 1.1/4"                  | 0.50 | <b>FF35080</b> |
| UNC outer thread                               |      |                |
| 1.1/4" UNC inner thread to G 1/2" inner thread | 0.70 | <b>FF35095</b> |
| Adaptor DD-BU to G 1/2" + 1.1/4"               | 0.80 | <b>FF35092</b> |
| Adaptor DD-BL/BS/BR to G 1/2" + 1.1/4"         | 0.80 | <b>FF35093</b> |
| Copper ring 1.1/4"                             | 0.05 | <b>FF35190</b> |

\* Cordless rotary hammer p. 333

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries

# RODIA diamond core drilling

## Accessories for hand-operated and stationary drilling

### Water supply

The sturdy 10 litre 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.

#### Comfortable water connection

Quick connection with the GK adaptor and quick-plug coupling

#### Rust-free motor shaft

Prevents the quick jamming of the rotor

#### Fine filter

Prevents entry of foreign materials and protects the motor shaft

No. FF35029



No. FF35028



Manometer

Pressure indicator

2.5 meter hose length

Ideal use for ceiling holes

Connection quick plug-in coupling

Drip-free connection even under water pressure

| Model                            | kg   | No.            |
|----------------------------------|------|----------------|
| Water supply hose with Aqua-Stop | 0.20 | <b>FF35302</b> |

| Model                                 | kg   | No.            |
|---------------------------------------|------|----------------|
| Pressurized water container, 10 litre | 5.50 | <b>FF35028</b> |
| Water supply hose for RODIADRILL      | 0.20 | <b>FF35301</b> |

### Water extraction systems

The dirty cooling water is extracted in connection with a wet and dry vacuum (FF35144)



No. FF35730

Only for RODIACUT 202 DWS, 250 and 270 C



No. FF35700

Only for RODIACUT 131 DWS, 150 and 170 C

| Model  | kg  | No.            |
|--|-----|----------------|
| Water collection ring, stationary (up to Ø 132 mm) | 1.2 | <b>FF35700</b> |
| Spare rubber membrane (for FF35700)                | 0.3 | <b>FF55131</b> |
| Water collection ring, stationary (up to Ø 200 mm) | 2.5 | <b>FF35730</b> |
| Spare rubber membrane (for FF35730)                | 0.6 | <b>FF55201</b> |

### Extensions for drill bits

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

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



Extensions G 1/2"



Extensions 1.1/4" UNC

| Nominal length in mm | kg   | G 1/2" No.     | kg   | 1.1/4" UNC No. |
|----------------------|------|----------------|------|----------------|
| 100                  | 0.40 | <b>FF35040</b> | 1.00 | <b>FF35060</b> |
| 200                  | 0.90 | <b>FF35045</b> | 2.00 | <b>FF35065</b> |
| 300                  | 1.40 | <b>FF35050</b> | 3.00 | <b>FF35070</b> |
| 500                  | 2.40 | <b>FF35055</b> | 5.10 | <b>FF35075</b> |



### Extraction rotor RODIADUST

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

Provides optimum extraction results in conjunction with RODIA DRY CLEANER (No. FF35144) and increases the drilling process, prevents jamming of drill bit and reduces segment wear.

| Model  | kg   | No.     |
|--|------|---------|
| Extraction rotor (drill bit 1.1/4" UNC / motor G 1/2") | 1.90 | FF40056 |



### RODIA DRY CLEANER 1600

#### Wet and dry extraction unit

Especially good performance when used with WALL CUT 6540, RODIADRILL 1800 DRY or other ROTHENBERGER extraction-friendly system products



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

#### Separate automatic outlet

Adaptor for further electric tools

#### User comfort with a wide operating range

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

#### High cleaning efficiency

2 polyester-filter cassettes with 99.9% dust retention (max. 20 l), water retention of 15 litres



Fig. folded filter  
No. FF55374

| Model                                  | kg   | No.     |
|--|------|---------|
| RODIA DRY CLEANER 1600                 | 10.8 | FF35144 |
| Folded filter (2 pcs.) for wet suction | 1.0  | FF55374 |
| Fleece filter (5 pcs.) for dry suction | 0.3  | FF55388 |









# Bending

|                              |         |
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### Push bending

**TUBE BENDER**



**TUBE BENDER Maxi**



**TUBE BENDER Maxi MLP**



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

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### Pull bending

**Standard two handed bender**



**MULTIBEND**



**MINIBEND**



**Standard bender**



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

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### Push bending

**ROBULL type E**



**ROBULL type ME**



|  |                      |                       |
|--|----------------------|-----------------------|
| <b>Method:</b>                           | Manual hydraulic 90° | Electro-hydraulic 90° |
| <b>Working range:</b><br>Copper          | –                    | –                     |
| <b>Working range:</b><br>Aluminium       | –                    | –                     |
| <b>Working range:</b><br>Precision steel | Ø 3/8 - 2"           | Ø 3/8 - 2"            |
| <b>Working range:</b><br>Stainless steel | –                    | –                     |
| <b>Working range:</b><br>MLP             | –                    | –                     |

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### Pull bending

**Pro bender**



**Internal bending  
springs MLP**



**ROBEND H+W PLUS**



**ROBEND 4000/4000 E**



|  |  |             |  |  |
|--|--|-------------|--|--|
| <b>Method:</b>                           | Manual 180°  | Manual 180° | Manual 180°  | Electric 180°  |
| <b>Working range:</b><br>Copper          | Ø 10 - 16 mm (3/8 - 3/4")<br>• 1 mm, soft, semi-hard, hard | –           | Ø 8 - 22 mm (5/16 - 7/8")<br>• 1 mm, soft, semi-hard, hard | Ø 12 - 35 mm (1/2 - 1.3/8")<br>• 1.6 mm, soft, semi-hard, hard |
| <b>Working range:</b><br>Aluminium       | –  | –           | Ø 8 - 22 mm (5/16 - 7/8")<br>• 1 mm, soft                  | Ø 12 - 28 mm (1/2 - 1.1/8")<br>• 2.0 mm, soft, semi-hard, hard |
| <b>Working range:</b><br>Precision steel | –  | –           | Ø 10 - 22 mm (3/8 - 5/8")<br>• 1 mm, soft                  | Ø 12 - 28 mm (1/2 - 1.1/8")<br>• 2 mm, soft                    |
| <b>Working range:</b><br>Stainless steel | Ø 10 - 16 mm (3/8 - 3/4")<br>• 1 mm, soft, semi-hard, hard | –           | Ø 8 - 22 mm (5/16 - 7/8")<br>• 1 mm                        | Ø 12 - 28 mm (1/2 - 1.1/8")<br>• 1.5 mm                        |
| <b>Working range:</b><br>MLP             | –  | Ø 6 - 20 mm | –  | –  |

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### TUBE BENDER

For accurate one-handed bending up to 90°,  
Ø 5 - 12 mm (1/4 - 1/2")



#### Product Profile

##### APPLICATION AREA

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"

##### KEY FEATURES

- Accurate bending even in restricted spaces
- Production of U-bends, counter bends, swan-neck bends and connecting bends possible at all levels
- Quick and simple change of the bending formers
- Fast release and removal of the bending formers
- One-handed operation through the ergonomic design
- Fast and accurate bending

**Ratchet arm with bayonet coupling**

Quick change of the bending formers

**Release lever**

Quick release and reset of the bending formers

**Ergonomic design**

One-handed operation

**Compact design**

Accurate bending even in restricted spaces

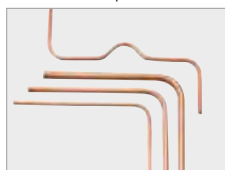
**Mechanical ratchet feed**

Quick and accurate bending

**Open bending frame**

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

Various bends possible



TUBE BENDER  
(No. 24130)



Bending formers (No. 24048)



Back plates (No. 24049)



Bending segments



**TUBE BENDER sets include:** basic tool complete with bending segments, back plates, ROCASE 4212 incl. inlay (No. 1300003334 + No. 1300004003)

| Model                               | kg   | No.              |
|-------------------------------------|------|------------------|
| TB set 5 - 6 - 8 - 10 mm            | 2.84 | <b>24131</b>     |
| TB set 6 - 8 - 10 - 12 mm           | 3.03 | <b>24132</b>     |
| TB set 8 - 10 - 12 mm               | 2.82 | <b>24133</b>     |
| TB set 1/4 - 5/16 - 3/8 - 1/2"      | 2.92 | <b>24134</b>     |
| Basic tool without bending segments | 0.36 | <b>766004016</b> |
| Support segment                     | 0.05 | <b>24048</b>     |
| Back plate without support segment  | 0.14 | <b>24049</b>     |

### TUBE BENDER bending segments

| Model           | Size  | g   | No.             |
|-----------------|-------|-----|-----------------|
| Bending segment | 5 mm  | 190 | <b>24001</b>    |
| Bending segment | 6 mm  | 210 | <b>R2403200</b> |
| Bending segment | 8 mm  | 250 | <b>R2403300</b> |
| Bending segment | 9 mm  | 360 | <b>R2403400</b> |
| Bending segment | 10 mm | 390 | <b>R2403500</b> |
| Bending segment | 12 mm | 390 | <b>24007</b>    |
| Bending segment | 1/4"  | 210 | <b>R2403200</b> |
| Bending segment | 5/16" | 250 | <b>R2403300</b> |
| Bending segment | 3/8"  | 270 | <b>24006</b>    |
| Bending segment | 1/2"  | 380 | <b>24008</b>    |

Previous bending segments and back plates including support segments from earlier models are compatible!



## TUBE BENDER MAXI

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



### Product Profile

#### APPLICATION AREA

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:

|   |                          |
|---|--------------------------|
| <b>Copper (soft)</b><br><b>and aluminium:</b> | Ø 10 - 22 mm, 3/8 - 7/8" |
| <b>Copper (coated):</b>                       | Ø 10 - 18 mm, 3/8 - 5/8" |
| <b>Precision steel (soft):</b>                | Ø 10 - 22 mm, 3/8 - 7/8" |
| <b>MLP (Multilayer):</b>                      | Ø 14 - 26 mm, 5/8 - 7/8" |

#### KEY FEATURES

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

#### Safe transport

Handle will not open during transport

#### Optimum bending results

Plastic bending segments and support segments with increased conductivity

#### Mechanical ratchet feed

Quick precise bending

#### Release lever

Quick release and reset of the bending former

#### Adjustable bending frame

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

**TUBE BENDER MAXI sets include:** basic unit (No. 766100016), back plate support with segments (Cu set No. 23047, MLP set No. 23008), ROCASE 4414 incl. inlay (No. 1300003541 + No. 1300004708)

| Model  | kg  | No.              |
|--|-----|------------------|
| TB MAXI set 12 - 15 - 18 - 22 mm             | 3.5 | <b>023020X</b>   |
| TB MAXI set 12 - 14 - 16 - 18 - 22 mm        | 3.5 | <b>023021X</b>   |
| TB MAXI set 3/8 - 1/2 - 5/8 - 3/4 - 7/8"     | 3.3 | <b>023022X</b>   |
| TB MAXI set MLP 14 - 16 - 18 - 20 - 25 mm    | 3.3 | <b>023090X</b>   |
| TB MAXI set MLP 14 - 16 - 18 - 20 - 26 mm    | 3.3 | <b>023091X</b>   |
| Basic tool w/o back plate support            | 1.0 | <b>766100016</b> |
| Back plate support w/o support segment       | 0.5 | <b>R2301500</b>  |
| Support segments MLP R/L 10 - 25 mm (2 pcs.) | 0.5 | <b>23008</b>     |
| Support segments R/L 12 - 22 mm (2 pcs.)     | 0.1 | <b>23047</b>     |

Previous bending segments and support segments from earlier models are compatible!

## TUBE BENDER MAXI bending segments

| Model           | Size  | max. mm | g   | No.          |
|-----------------|-------|---------|-----|--------------|
| Bending segment | 10 mm | 1.0     | 80  | <b>23001</b> |
| Bending segment | 12 mm | 1.0     | 80  | <b>23002</b> |
| Bending segment | 14 mm | 1.0     | 80  | <b>23003</b> |
| Bending segment | 15 mm | 1.0     | 90  | <b>23004</b> |
| Bending segment | 16 mm | 1.0     | 100 | <b>23005</b> |
| Bending segment | 18 mm | 1.0     | 140 | <b>23006</b> |
| Bending segment | 22 mm | 1.0     | 170 | <b>23007</b> |
| Bending segment | 3/8"  | 1.0     | 70  | <b>23010</b> |
| Bending segment | 1/2"  | 1.0     | 80  | <b>23011</b> |
| Bending segment | 5/8"  | 1.0     | 100 | <b>23012</b> |
| Bending segment | 3/4"  | 1.0     | 120 | <b>23013</b> |
| Bending segment | 7/8"  | 1.0     | 170 | <b>23014</b> |

TUBE BENDER MAXI MLP

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



Product profile

APPLICATION AREA

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

KEY FEATURES

- 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

Adjustable bending frame

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

Ratchet arm with bayonet coupling

Bending formers easily changed

Plastic bending formers and support segments with increased conductivity

Optimum bending results

Mechanical ratchet feed

Quick operation

Smooth running feed lever

Ideal for use in confined spaces and for one-handed operation

Release lever

Quick release and resetting of bending formers

Body made of resistant die-cast steel

Sturdy and long-lasting

Fig. TUBE BENDER MAXI MLP

Universal field operation



Sets (No. 23065 / 23095) include: TUBE BENDER MAXI MLP (No. 23076), support brackets (No. 23080), bending segments in carrying case

| Model                | Description                    | No.   |
|----------------------|--------------------------------|-------|
| TUBE BENDER MAXI MLP | 14 - 16 - 18 - 20 - 25 - 32 mm | 23065 |
| TUBE BENDER MAXI MLP | 14 - 16 - 18 - 20 - 26 - 32 mm | 23095 |

ACCESSORIES



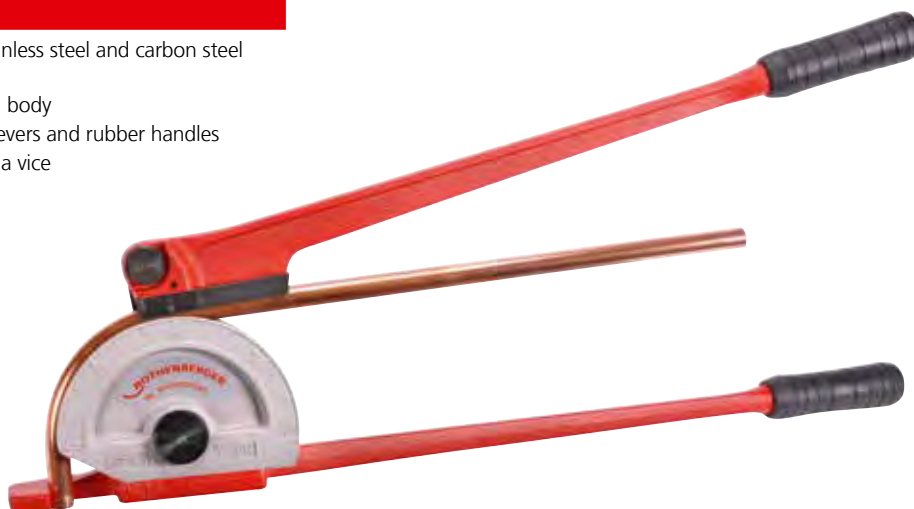
| Description                 | g   | No.   | Description  | g     | No.   |
|-----------------------------|-----|-------|--|-------|-------|
| Bending segment 14 x 2,0 mm | 80  | 23003 | Bending segment 26 x 2,0 mm                          | 200   | 23053 |
| Bending segment 16 x 2,0 mm | 100 | 23005 | Bending segment 32 x 2,0 mm                          | 380   | 23051 |
| Bending segment 18 x 2,0 mm | 140 | 23050 | Basic tool 32 w/o support brackets                   | 1,280 | 23076 |
| Bending segment 20 x 2,0 mm | 150 | 23052 | Support brackets with support segments R/L 23076     | 790   | 23080 |
| Bending segment 25 x 2,0 mm | 180 | 23009 | Support segment MLP R/L 14 - 32 mm for 23076 (1 pc.) | 200   | 23083 |

## Pro bender

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

### KEY FEATURES

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



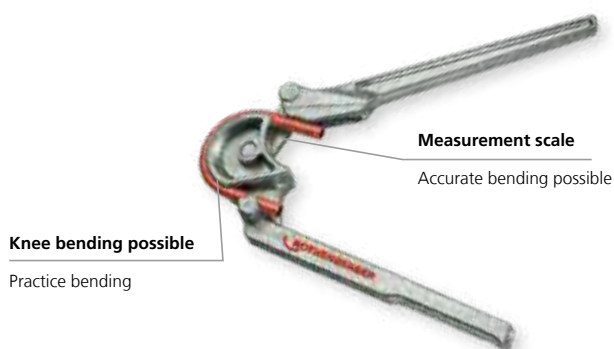
| Size         | max. mm | R<br>Radius mm | L mm | kg  | No.        |
|--------------|---------|----------------|------|-----|------------|
| 3/8" / 10 mm | 1.0     | 40             | 530  | 2.2 | 1000001431 |
| 1/2"         | 1.0     | 47             | 530  | 2.1 | 767050016  |
| 5/8" / 16 mm | 1.0     | 76             | 770  | 4.0 | 1000000445 |
| 3/4"         | 1.0     | 76             | 770  | 3.9 | 767750016  |

## MULTIBEND standard bender 180°

For accurate bending up to 180° of pipes made of soft copper, aluminium and precision steel Ø 10 - 18 mm

### KEY FEATURES

- 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



| Size  | max. mm | R<br>Radius mm | kg   | No.   |
|-------|---------|----------------|------|-------|
| 10 mm | 1.0     | 30             | 0.37 | 25401 |
| 12 mm | 1.0     | 36             | 0.64 | 25402 |
| 14 mm | 1.0     | 42             | 0.98 | 25403 |
| 15 mm | 1.0     | 48             | 1.45 | 25404 |
| 16 mm | 1.0     | 48             | 1.46 | 25405 |
| 18 mm | 1.0     | 54             | 2.00 | 25406 |

## Standard two handed bender 90°

For accurate bending up to 90° for pipes made of semi-hard copper according to DIN EN 1057 Ø 12 x 1.0 - 22 x 1.0 mm

### KEY FEATURES

- 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



| Size  | mm  | R<br>Radius mm | L mm | kg  | No.    |
|-------|-----|----------------|------|-----|--------|
| 12 mm | 1.0 | 43             | 460  | 1.4 | 462212 |
| 15 mm | 1.0 | 60             | 600  | 2.3 | 462215 |
| 18 mm | 1.0 | 74             | 860  | 3.2 | 462218 |
| 22 mm | 1.0 | 87             | 900  | 4.3 | 462222 |

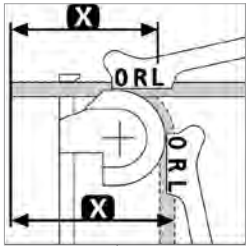


# Bending

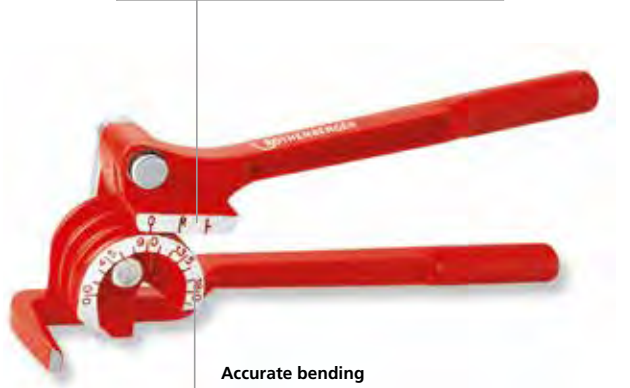
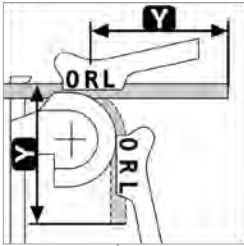
## Manual

3

Method L



Method R



Accurate bending

Minimum size chart and bending radius display on measurement scale

### 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")

#### KEY FEATURES

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

#### Method L: Determination of the length of L - Left:

O: Reference to bending scale (0-0) and/or start/end of the bending radius

L: Used to determine/indicate the final dimension desired from the left (pipe beginning) up to top edge of the pipe (Measure X)

#### Method R: Determination of the length of R - Right:

O: Reference to bending scale (0-0) and/or start/end of the bending radius

R: Used to determine/indicate the final dimension desired from the right (pipe beginning) up to top edge of the pipe (Measure Y)

| Model    | Size              | g   | No.   |
|----------|-------------------|-----|-------|
| MINIBEND | 6 - 8 - 10 mm     | 420 | 25150 |
| MINIBEND | 1/4 - 5/16 - 3/8" | 420 | 25151 |

### 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")

#### KEY FEATURES

- 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 chart and bending radius display on measurement scale



| Size         | R<br>Radius mm | L mm | g     | No.   |
|--------------|----------------|------|-------|-------|
| 6 mm         | 18             | 305  | 550   | 25130 |
| 10 mm        | 30             | 390  | 970   | 25132 |
| 12 mm        | 36             | 390  | 980   | 25133 |
| 14 mm        | 47             | 450  | 1,580 | 25134 |
| 15 mm        | 54             | 450  | 1,830 | 25135 |
| 16 mm        | 58             | 450  | 1,830 | 25136 |
| 18 mm        | 66             | 480  | 2,110 | 25137 |
| 1/4"         | 18             | 305  | 560   | 25140 |
| 5/16" / 8 mm | 24             | 305  | 640   | 25131 |
| 1/2"         | 30             | 390  | 1,680 | 25142 |
| 5/8"         | 58             | 450  | 1,830 | 25136 |

### ACCESSORIES



| Description                  |    | No.        |
|------------------------------|----|------------|
| Internal / external deburrer | 32 | 1500000236 |
| Bending spray, 150 ml        | 63 | 25120      |

### Copper tube bending springs

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

#### KEY FEATURES

- 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



| Size  | g   | No.   |
|-------|-----|-------|
| 8 mm  | 70  | 25181 |
| 10 mm | 80  | 25182 |
| 12 mm | 160 | 25183 |
| 15 mm | 220 | 25185 |
| 16 mm | 220 | 25186 |

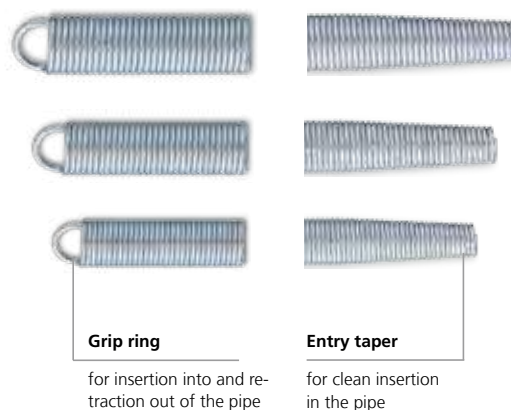
| Size  | g   | No.   |
|-------|-----|-------|
| 5/16" | 70  | 25181 |
| 1/2"  | 130 | 25190 |
| 5/8"  | 220 | 25186 |

### MLP internal bending springs

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

#### KEY FEATURES

- 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



| Model                       | Bending spring | Pipe     | g   | No.   |
|-----------------------------|----------------|----------|-----|-------|
| MLP-internal-bending spring | 6.0 mm         | 12 mm    | 90  | 25441 |
| MLP-internal-bending spring | 8.0 mm         | 14 mm    | 120 | 25442 |
| MLP-internal-bending spring | 10.0 mm        | 16 mm    | 150 | 25443 |
| MLP-internal-bending spring | 13.5 mm        | 20 mm    | 220 | 25445 |
| MLP-internal-bending spring | 19.0 mm        | 25/26 mm | 380 | 25446 |



### Bending spray

For bending copper and steel pipes

#### KEY FEATURES

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

| Model                 | Contents | No.   |
|-----------------------|----------|-------|
| Bending spray, 150 ml | 150 ml   | 25120 |



#### ACCESSORIES



| Description                  | No.           |
|------------------------------|---------------|
| Internal / external deburrer | 32 1500000236 |

# Bending

## Manual

### ROBEND H+W PLUS

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



#### Product profile

##### APPLICATION AREA

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

|  |              |             |
|--|--------------|-------------|
| <b>Copper (soft, semi-hard, hard thin-walled):</b> | Ø 8 - 22 mm  | 5/16 - 7/8" |
| <b>Copper (coated, also thin-walled):</b>          | Ø 10 - 18 mm | 3/8 - 5/8"  |
| <b>Aluminium and brass:</b>                        | Ø 8 - 22 mm  | 5/16 - 7/8" |
| <b>Precision steel (also coated):</b>              | Ø 10 - 22 mm | 3/8 - 5/8"  |
| <b>Seamless stainless steel:</b>                   | Ø 8 - 22 mm  | 5/16 - 7/8" |

##### KEY FEATURES

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

3

#### ROLUB-Anti-Block-System

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

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

Optimum combination of ROLUB guide shoe and the bending former

Perfect bending results without friction marks

Minimum size chart and bending radius display

Accurate bending

Bending formers with base plate

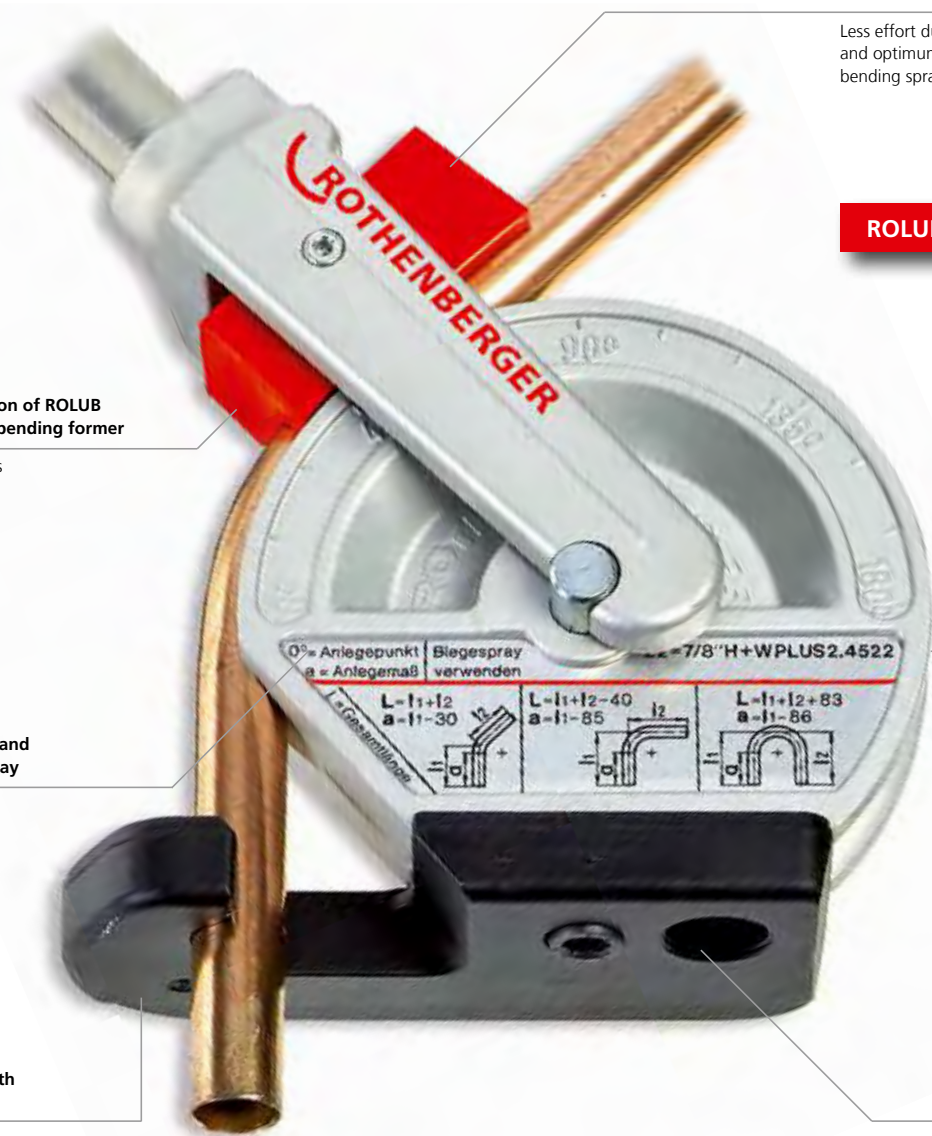
Easy bending through clamping on a vice

Made from high-quality forged aluminium

Retains shape and remains stable

Thread for the attachment of the additional lever (accessories)

Free-hand bending possible





### ROBEND H+W PLUS bender

Universal hand bender complete with bending former, fork with ROLUB guide shoe and handle. Universal application in sanitary and heating installations, refrigeration and air-conditioning systems and industrial systems.

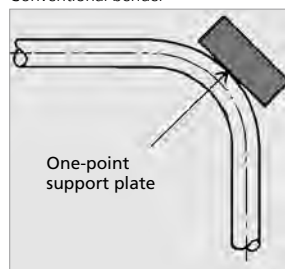


### ROBEND H+W PLUS bender

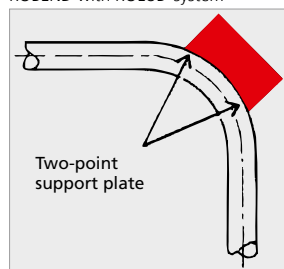
| Size  | max mm | R<br>Radius mm | g     | No.        |
|---|--------|----------------|-------|------------|
| 8 mm  | 1      | 22             | 660   | 24508      |
| 10 mm   | 1      | 32             | 1,180 | 24510      |
| 12 mm   | 1      | 38             | 1,110 | 24512      |
| 14 mm   | 1      | 45             | 1,370 | 24514      |
| 15 mm   | 1      | 45             | 1,370 | 24515      |
| 16 mm   | 1      | 64             | 2,620 | 24516      |
| 18 mm   | 1      | 64             | 2,620 | 24518      |
| 22 mm   | 1      | 81             | 3,800 | 24522      |
| 5/16"   | 1      | 22             | 660   | 24508      |
| 1/2"  | 1      | 38             | 1,110 | 24552      |
| 5/8"  | 1      | 64             | 2,620 | 24516      |
| 3/4"  | 1      | 81             | 3,850 | 24519      |
| 7/8"  | 1      | 81             | 3,800 | 24522      |
| <b>ACCESSORIES (additional lever for two-handed bending)*</b> |        |                |       |            |
| Lever (short) for bending formers Ø 8 mm / 3/8"               |        |                |       | 25075      |
| Lever for bending formers Ø 10 - 15 mm                        |        |                |       | 25076      |
| Lever for bending formers bigger than Ø 15 mm                 |        |                |       | 25078      |
| Bending spray, 150 ml   |        |                |       | 25120      |
| ROCASE 6414   |        |                |       | 1300003542 |
| Plastic inlay f. ROCASE 6414                                  |        |                |       | 1300004002 |

\*Possible from 10 mm

Conventional bender



ROBEND with ROLUB-system



Accurate bending



### ROBEND H+W PLUS bending sets

Sets include: ROCASE 6414 for a maximum of 6 bending formers, 2 levers for vice bending and bending spray (No. 25120). Bender corresponds to the respective pipe dimensions.

### ROBEND H+W PLUS bending sets

| Model           | Description          | mm  | kg   | No.   |
|-----------------|----------------------|-----|------|-------|
| ROBEND H+W PLUS | 12 - 15 - 18 - 22 mm | 1.0 | 16.5 | 24500 |
| ROBEND H+W PLUS | 10 - 12 - 14 - 16 mm | 1.0 | 16.3 | 24501 |
| ROBEND H+W PLUS | 12 - 14 - 16 - 18 mm | 1.0 | 13.6 | 24502 |
| ROBEND H+W PLUS | 15 - 18 - 22 mm      | 1.0 | 14.9 | 24505 |
| ROBEND H+W PLUS | 1/2 - 5/8 - 3/4"     | 1.0 | 13.6 | 24503 |
| ROBEND H+W PLUS | 1/2 - 5/8 - 7/8"     | 1.0 | 13.7 | 24504 |

### ROLUB Anti-Block special guide shoe

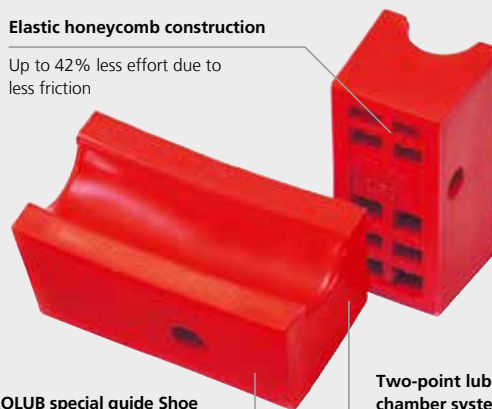
| Size  | g  | No.   |
|-------|----|-------|
| 8 mm  | 20 | 25308 |
| 10 mm | 20 | 25310 |
| 12 mm | 30 | 25312 |
| 14 mm | 30 | 25314 |
| 15 mm | 30 | 25315 |
| 16 mm | 50 | 25316 |
| 18 mm | 50 | 25318 |
| 22 mm | 90 | 25322 |
| 5/16" | 20 | 25308 |
| 1/2"  | 30 | 25313 |
| 5/8"  | 50 | 25316 |
| 3/4"  | 90 | 25319 |
| 7/8"  | 90 | 25322 |

### ROLUB Anti-Block special guide shoe

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

#### 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

# Bending

## Manual hydraulic

### ROBULL type E

For precise, manual hydraulic cold bending up to 90°



#### Product profile

##### APPLICATION AREA

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.

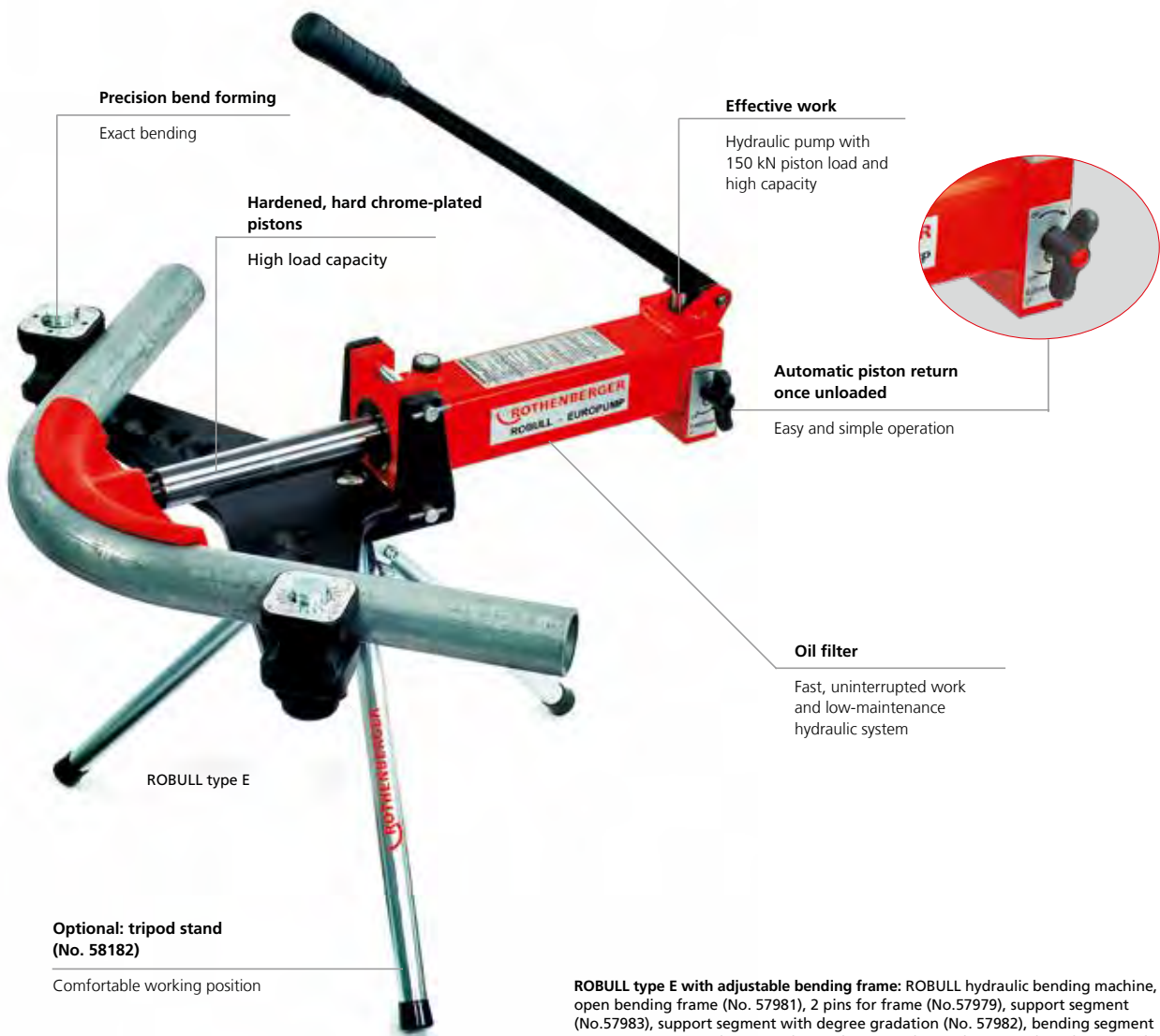
##### ROBULL type E:

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

**Carbon steel suitable for welding and thread-cutting:** Ø 3/8 - 2"

##### KEY FEATURES

- 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         | Description   | kg   | No.            |
|---------------|---|------|----------------|
| ROBULL type E | without accessories                                       | 16.8 | <b>057950X</b> |
| ROBULL type E | with adjustable bending frame and accessories (see above) | 59.8 | <b>057966X</b> |
| ROBULL type E | with foldable bending frame and accessories (see above)   | 72.6 | <b>057961X</b> |

### ROBULL type E






ROBULL type E with foldable bending frame



Fig. similar




### ROBULL type E bending segments

#### Small bending radius (red)

|  |  | Wall thickness<br>min. mm | R<br>mm |  | No.          |
|---|---|---------------------------|---------|---|--------------|
| 3/8"  | 17.2  | 2.35                      | 45      | 0.7   | <b>57985</b> |
| 1/2"  | 21.3  | 2.65                      | 49      | 0.7   | <b>57986</b> |
| 3/4"  | 26.9  | 2.65                      | 65      | 0.8   | <b>57987</b> |
| 1"  | 33.7  | 3.25                      | 89      | 1.3   | <b>57988</b> |
| 1.1/4"  | 42.4  | 3.25                      | 115     | 1.6   | <b>57989</b> |
| 1.1/2"  | 48.3  | 3.25                      | 137     | 2.4   | <b>57990</b> |
| 2"  | 60.3  | 3.65                      | 200     | 3.2   | <b>57991</b> |


### ROBULL type E bending segments


#### Large bending radius (black)

|  |  | Wall thickness<br>min. mm | R<br>mm |  | No.          |
|---|---|---------------------------|---------|---|--------------|
| 3/8"  | 17.2  | 2.35                      | 56      | 0.8   | <b>58010</b> |
| 1/2"  | 21.3  | 2.35                      | 85      | 0.9   | <b>58011</b> |
| 3/4"  | 26.9  | 2.65                      | 115     | 1.2   | <b>58012</b> |
| 1"  | 33.7  | 2.65                      | 145     | 2.1   | <b>58013</b> |
| 1.1/4"  | 42.4  | 3.25                      | 180     | 3.5   | <b>58014</b> |
| 1.1/2"  | 48.3  | 3.25                      | 214     | 4.3   | <b>58015</b> |
| 2"  | 60.3  | 3.65                      | 245     | 5.6   | <b>58016</b> |

### ACCESSORIES



| Model  |  | No.              |
|--|---|------------------|
| Bending frame, adjustable  | 15.2  | <b>57981</b>     |
| Support segments f. ROBULL E / ME with degree gradation (1 piece)    | 2.6   | <b>775004000</b> |
| Support segments f. ROBULL E / ME without degree gradation (1 piece) | 2.6   | <b>57983</b>     |

| Model  |  | No.              |
|--|---|------------------|
| Sup. seg. w/ degree gradation, foldable, E/ME 12.5 |   | <b>775504100</b> |
| Locking pin  | 0.3   | <b>57979</b>     |
| Hydraulic oil, 1 litre                             | 1.0   | <b>58185</b>     |
| Tripod stand                                       | 3.0   | <b>58182</b>     |
| Steel case   | 10.0  | <b>996277400</b> |



# Bending

## Electro-hydraulic

### ROBULL type ME

For precise, power hydraulic cold bending up to 90°



#### Product profile

##### APPLICATION AREA

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

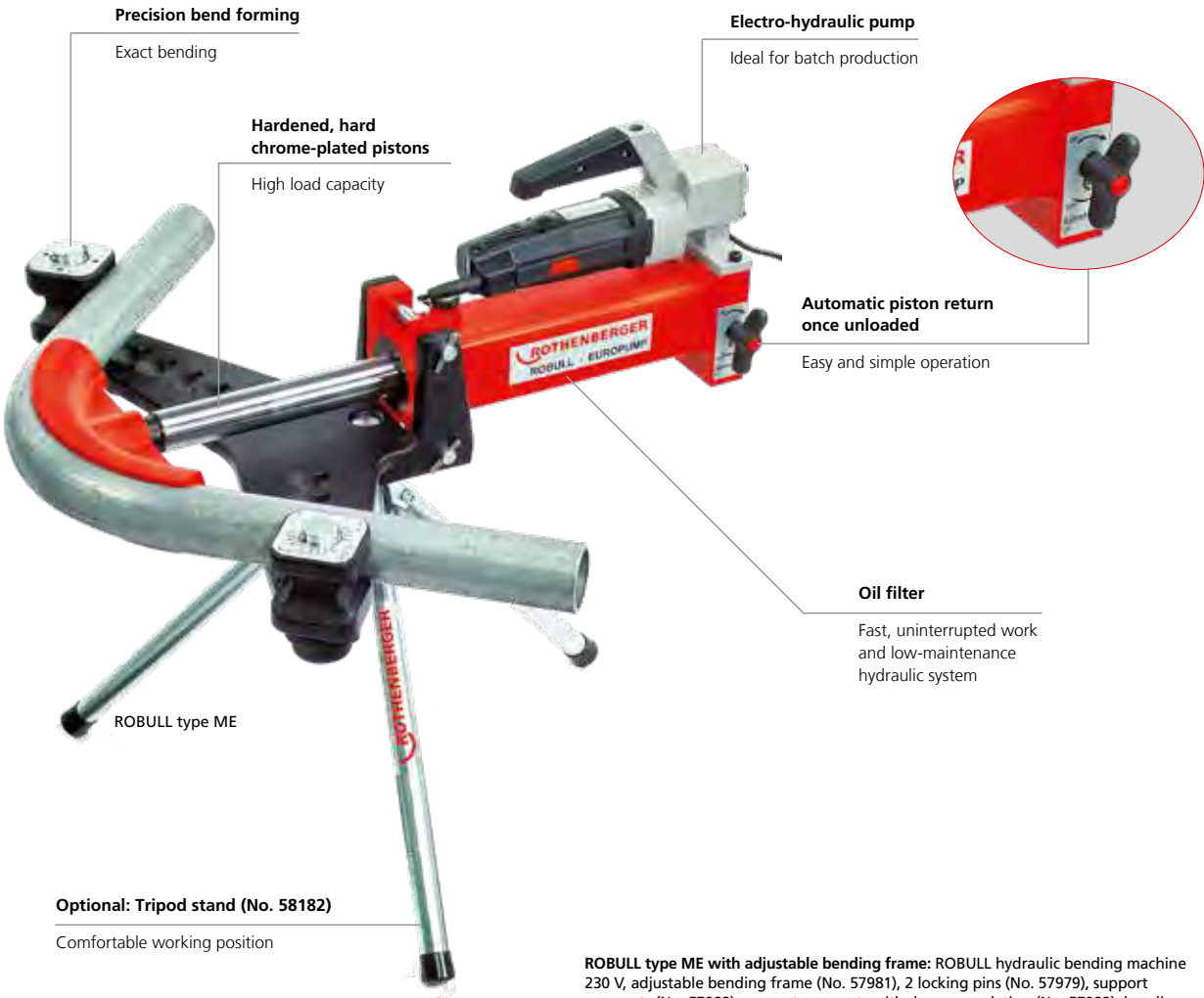
##### ROBULL type ME:

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

**Carbon steel suitable for welding and thread-cutting:** Ø 3/8 - 2"

##### KEY FEATURES

- 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



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

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

| Model          | Description   | kg   | No.            |
|----------------|---|------|----------------|
| ROBULL type ME | without accessories                                       | 17.8 | <b>057969X</b> |
| ROBULL type ME | with adjustable bending frame and accessories (see above) | 59.8 | <b>057973X</b> |
| ROBULL type ME | with foldable bending frame and accessories (see above)   | 72.6 | <b>057972X</b> |

### ROBULL type ME






ROBULL type ME with foldable bending frame



Fig. similar




### ROBULL type ME bending segments

#### Small bending radius (red)

|  inch |  mm | Wall thickness<br>min. mm | R<br>mm |  kg | No.          |
|--|--|---------------------------|---------|--|--------------|
| 3/8"   | 17.2   | 2.35                      | 45      | 0.7  | <b>57985</b> |
| 1/2"   | 21.3   | 2.65                      | 49      | 0.7  | <b>57986</b> |
| 3/4"   | 26.9   | 2.65                      | 65      | 0.8  | <b>57987</b> |
| 1"   | 33.7   | 3.25                      | 89      | 1.3  | <b>57988</b> |
| 1.1/4"   | 42.4   | 3.25                      | 115     | 1.6  | <b>57989</b> |
| 1.1/2"   | 48.3   | 3.25                      | 137     | 2.4  | <b>57990</b> |
| 2"   | 60.3   | 3.65                      | 200     | 3.2  | <b>57991</b> |


### ROBULL type ME bending segments


#### Large bending radius (black)

|  inch |  mm | Wall thickness<br>min. mm | R<br>mm |  kg | No.          |
|--|---|---------------------------|---------|--|--------------|
| 3/8"   | 17.2  | 2.35                      | 56      | 0.8  | <b>58010</b> |
| 1/2"   | 21.3  | 2.35                      | 85      | 0.9  | <b>58011</b> |
| 3/4"   | 26.9  | 2.65                      | 115     | 1.2  | <b>58012</b> |
| 1"   | 33.7  | 2.65                      | 145     | 2.1  | <b>58013</b> |
| 1.1/4"   | 42.4  | 3.25                      | 180     | 3.5  | <b>58014</b> |
| 1.1/2"   | 48.3  | 3.25                      | 214     | 4.3  | <b>58015</b> |
| 2"   | 60.3  | 3.65                      | 245     | 5.6  | <b>58016</b> |

### ACCESSORIES



| Model  |  kg | No.              |
|--|--|------------------|
| Bending frame, adjustable  | 15.2   | <b>57981</b>     |
| Support segments f. ROBULL E / ME with degree gradation (1 piece)    | 2.6  | <b>775004000</b> |
| Support segments f. ROBULL E / ME without degree gradation (1 piece) | 2.6  | <b>57983</b>     |

| Model  |  kg | No.              |
|--|--|------------------|
| Sup. seg. w/ degree gradation, foldable, E/ME 12.5 |  | <b>775504100</b> |
| Locking pin  | 0.3  | <b>57979</b>     |
| Hydraulic oil, 1 litre                             | 1.0  | <b>58185</b>     |
| Tripod stand                                       | 3.0  | <b>58182</b>     |
| Steel case   | 10.0   | <b>996277400</b> |

# Bending

## Electro

### ROBEND 4000

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



#### Product profile

##### APPLICATION AREA

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")

##### KEY FEATURES

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



Forged aluminium former with bending radius scale

Easy to use

Pre-adjustment of the bending angle without 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

#### Bending technology

Simplified work preparation, eliminates costs of purchase and storage of fittings

Bending of pipes made of various materials possible



Seven-fold drive



Comfortable carry handle



ROBEND 4000 with tripod stand





### ROBEND 4000 E

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



#### Product profile

##### APPLICATION AREA

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")

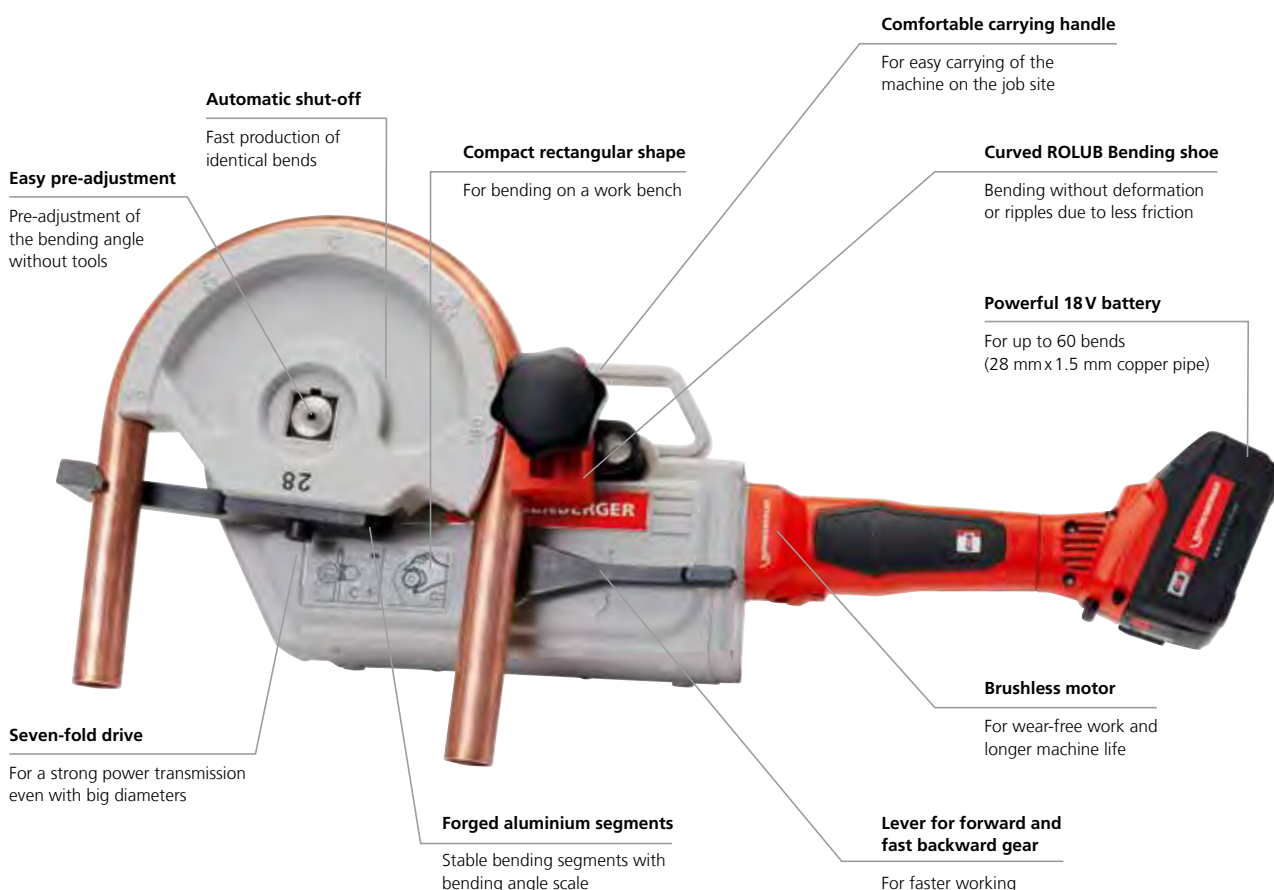
**Precision steel (soft DIN 2391 / 2393 / 2394):** Ø 12 - 28 mm, (1/2 - 1.1/8")

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

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

##### KEY FEATURES

- 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



Forged aluminium segments with bending angle scale



Working with a Tripod



Comfortable carry handle



Compact, rectangular shape



# Bending

## Electro

### ROBEND 4000/4000 E sets

Sets include: basic 230 V unit (No. 1000001559), bending formers and guide shoes for respective pipe diameters, guide shoe axle (No. 25743), adaptor for tripod stand (No. 25748) in basic unit (tripod stand optional), carrying case



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



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



Fig. similar



| Model  | Description                               | Pipe type     | kg    | No.        |
|--|---|---------------|-------|------------|
| ROBEND 4000 set  | 15 - 18 - 22 mm                           | Cu, Fe et al. | 24.12 | 1000001554 |
| ROBEND 4000 set  | 15 - 18 - 22 - 28 mm                      | Cu, Fe et al. | 24.12 | 1000001550 |
| ROBEND 4000 set  | 12 - 14 - 16 - 18 - 22 mm                 | Cu, Fe et al. | 21.90 | 1000001551 |
| ROBEND 4000 set  | 15 - 22 - 28 mm                           | Cu, Fe et al. | 21.10 | 1000001545 |
| ROBEND 4000 set  | 12 - 14 - 16 - 18 - 22 - 28 mm            | Cu, Fe et al. | 24.10 | 1000001552 |
| ROBEND 4000 set  | 12 - 15 - 18 - 22 - 28 mm                 | Cu, Fe et al. | 23.50 | 1000001549 |
| ROBEND 4000 set  | 15 - 18 - 22 - 28 - 32 - 35 mm            | Cu, Fe et al. | 32.00 | 1000001567 |
| ROBEND 4000 set  | 1/2 - 5/8 - 3/4 - 7/8"                    | Cu, Fe et al. | 19.60 | 1000001553 |
| ROBEND 4000 set  | 1/2 - 5/8 - 3/4 - 7/8 - 1.1/8 - 1.3/8"    | Cu, Fe et al. | 29.00 | 1000001565 |
| ROBEND 4000 set  | 7/8 - 1.1/8 - 1.3/8"                      | Cu, Fe et al. | 22.00 | 1000001566 |
| ROBEND 4000 set  | 15 - 18 - 22 - 28 - 35 mm                 | Cu, Fe et al. | 29.00 | 1000001738 |
| ROBEND 4000 basic unit   | in carrying case without bending segments | Cu, Fe et al. | 14.50 | 1000001559 |
| ROBEND 4000 E base machine,<br>without battery and charger       |   | Cu, Fe et al. | 17.45 | 1000003391 |
| ROBEND 4000 E set with battery, 4.0Ah 18V<br>and battery charger | 15 - 18 - 22 - 28 mm                      | Cu, Fe et al. | 29.15 | 1000003392 |
| ROBEND 4000 E set with battery, 4.0Ah 18V<br>and battery charger | 12 - 14 - 16 - 18 - 22 - 28 mm            | Cu, Fe et al. | 30.15 | 1000003393 |
| ROBEND 4000 E set with battery, 4.0Ah 18V<br>and battery charger | 1/2 - 5/8 - 3/4 - 7/8 - 1.1/8"            | Cu, Fe et al. | 29.45 | 1000003394 |

#### ACCESSORIES



| Model   | No.        | Model                              | No.        |
|---|------------|------------------------------------|------------|
| Bending spray, 150 ml                                       | 25120      | RO BP18/4, 4.0Ah 18V Li-Power Akku | 1000001653 |
| Guide shoe axle   | 25743      | RO BC14/36 Ladegerät, 230 V, EU    | 1000001654 |
| ROBEND carrying case, for 5 segments up to Ø 30 mm          | 995830200  | Pipe cutter                        | 14 - 27    |
| Tripod stand, foldable                                      | 25748      | Internal / external deburrer       | 32         |
| ROBEND carrying case, for 32 mm (1.1/4") and 35 mm (1.3/8") | 1000001564 |                                    |            |

### ROBEND 3000/4000/4000 E Bending formers

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



Fig. ROBEND 3000/4000/4000 E bending set with ROLUB special guide shoe

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

| Size | Wall thickness<br>mm | Bending radius<br>mm | kg   | No.   |
|------|----------------------|----------------------|------|-------|
| 1/2" | 3.25                 | 88                   | 1.42 | 25684 |
| 3/4" | 3.25                 | 112                  | 2.90 | 25685 |

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

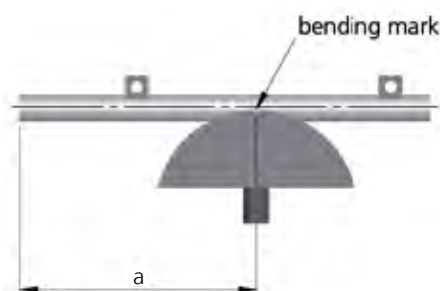
| Size   | Wall thickness<br>mm | Bending radius<br>mm | kg   | No.        |
|--------|----------------------|----------------------|------|------------|
| 12 mm  | 1.0                  | 42                   | 0.48 | 25612      |
| 14 mm  | 1.0                  | 49                   | 0.48 | 25614      |
| 15 mm  | 1.0                  | 52                   | 0.53 | 25615      |
| 16 mm  | 1.0                  | 56                   | 0.60 | 25616      |
| 18 mm  | 1.0                  | 72                   | 1.17 | 25618      |
| 20 mm  | 1.0                  | 80                   | 1.42 | 25620      |
| 22 mm  | 1.2                  | 88                   | 1.42 | 25622      |
| 28 mm  | 2.0                  | 112                  | 2.90 | 25628      |
| 32 mm* | 2.0                  | 128                  | 3.40 | 1000001561 |
| 35 mm* | 2.0                  | 140                  | 3.60 | 1000001563 |

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

| Size    | Wall thickness<br>mm | Bending radius<br>mm | kg   | No.        |
|---------|----------------------|----------------------|------|------------|
| 1/2"    | 1.2                  | 45                   | 0.53 | 25652      |
| 5/8"    | 1.2                  | 56                   | 0.60 | 762955300  |
| 3/4"    | 1.2                  | 80                   | 1.42 | 25619      |
| 7/8"    | 1.2                  | 88                   | 1.42 | 762955700  |
| 1"      | 1.5                  | 112                  | 2.90 | 25625      |
| 1.1/8"  | 1.6                  | 112                  | 2.90 | 25626      |
| 1.1/4"* | 2.0                  | 128                  | 3.40 | 1000001561 |
| 1.3/8"* | 2.0                  | 140                  | 3.60 | 1000001563 |

\*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



45°- arc



$$L = L_1 + L_2$$

$$a = L_1 - L_R$$

### 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\*
- $L_R$  = Reserve length\*

90°- arc



$$L = L_1 + L_2 - L_M$$

$$a = L_1 - L_R$$

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



# Bending

## Bending tables

### Calculation examples TUBE BENDER MAXI

#### Specifications:

Installation in corner areas

$L_W = 1,200$  mm

$A_W = 30$  mm

Pipe-Ø 12 mm, 90°-arc

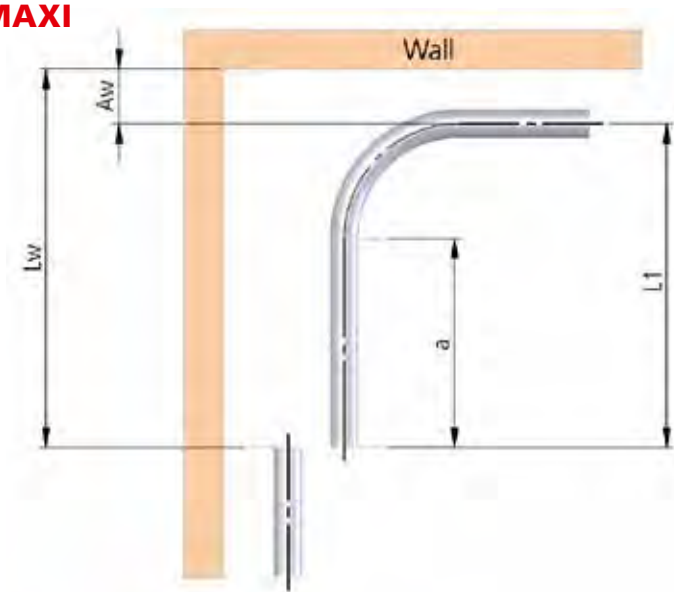
#### Sought after:

Leg length  $L_1$

Applied size  $a$

#### Solution:

Summary from the TUBE BENDER MAXI bending table



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

| TUBE BENDER        |                          | at 45°                     |                            | at 90°                     |                            | at 180°                    |                            |
|--------------------|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| for Ø<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 |
| 12                 | 35.0                     | 0.8                        | 10.0                       | 7.5                        | 35.0                       | -                          |
| 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                        | 25.5                       | 18.5                       | 87.0                       | -                          |
| 3/8"               | 35.0                     | 0.8                        | 10.0                       | 7.5                        | 35.0                       | -                          |
| 1/2"               | 35.0                     | 0.8                        | 10.0                       | 7.5                        | 35.0                       | -                          |
| 5/8"               | 49.0                     | 1.1                        | 14.5                       | 10.5                       | 49.0                       | -                          |
| 3/4"               | 74.0                     | 1.7                        | 22.0                       | 16.0                       | 74.0                       | -                          |
| 7/8"               | 87.0                     | 1.9                        | 25.5                       | 18.5                       | 87.0                       | -                          |

| TUBE BENDER MAXI CT |                          | at 45°                     |                            | at 90°                     |                            | at 180°                    |
|---------------------|--------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Tube Ø / Ws<br>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 |
| 10 x 0.6            | 42.5                     | 0.8                        | 12.5                       | 9.0                        | 42.5                       | -                          |
| 12 x 0.6            | 49.0                     | 1.1                        | 14.5                       | 10.5                       | 49.0                       | -                          |
| 15 x 0.7            | 74.0                     | 1.7                        | 22.0                       | 16.0                       | 74.0                       | -                          |
| 18 x 0.7            | 87.0                     | 1.9                        | 25.5                       | 18.5                       | 87.0                       | -                          |



# Bending

## Bending tables

3

| ROBEND H+W Plus      |                          | at 45°                              |                                     | at 90°                              |                                     | at 180°                             |                                     |
|----------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Ø / Ws<br>mm / Inch  | Bending radius<br>R (mm) | Reserve length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<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                                  | 15.0                                | 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°                             |                                     |
| Ø / Ws<br>mm / Inch  | Bending radius<br>R (mm) | Reserve length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<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 length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<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                                |
| 5/16"                | 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                                |



# Bending

## Bending tables

| <b>MULTIBEND</b> |                          | <b>at 45°</b>                       |                                     | <b>at 90°</b>                       |                                     | <b>at 180°</b>                      |                                     |
|------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| for Ø<br>mm      | Bending radius<br>R (mm) | Reserve length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<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                                |

| <b>ROBEND 3000/4000/4000 E</b> |        |                          | <b>at 45°</b>                       |                                     | <b>at 90°</b>                       |                                     | <b>at 180°</b>                      |                                     |
|--------------------------------|--------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| for Ø<br>mm / Inch             | Pipe   | Bending radius<br>R (mm) | Reserve length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<br>L <sub>M</sub> mm | Reserve length<br>L <sub>R</sub> mm | Minimum length<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, flaring

|                                  |         |
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# Expanding, extracting, flaring

## System overview

### Expander



|                                   |   |   |   |
|-----------------------------------|---|---|---|
| Operation mode:                   | Manual  | Manual  | Manual  |
| Working range:<br>Copper          | Ø 8-42 mm (5/16-1.3/4")<br>•⊖ 1.6 mm, soft, semi-hard | Ø 22-67 mm (1-2.1/2")<br>•⊖ 2.5 mm, soft, semi-hard | Ø 35-108 mm (1.3/8-4.1/8")<br>•⊖ 2.5 mm, soft |
| Working range:<br>Aluminium       | Ø 8-28 mm (5/16-1.1/8")<br>•⊖ 1.6 mm, soft            | Ø 22-67 mm (1-2.1/2")<br>•⊖ 2.5 mm, soft, semi-hard | Ø 35-108 mm (1.3/8-4.1/8")<br>•⊖ 2.5 mm, soft |
| Working range:<br>Precision steel | Ø 8-28 mm (5/16-1.1/8")<br>•⊖ 1.6 mm, soft            | Ø 22-54 mm (1-2.1/8")<br>•⊖ 1.5 mm, soft            | —   |
| Working range:<br>Stainless steel | Ø 8-22 mm (5/16-7/8")<br>•⊖ 1 mm, soft                | Ø 22-54 mm (1-2.1/8")<br>•⊖ 1.5 mm, soft            | —   |

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|                                   |  |
|-----------------------------------|--|
| Operation mode:                   | Hydraulic  |
| Working range:<br>Copper          | Ø 8-110 mm (5/16-4.1/4")<br>•⊖ 3 mm, soft, semi-hard |
| Working range:<br>Aluminium       | Ø 8-110 mm (5/16-4.1/4")<br>•⊖ 3 mm, soft, semi-hard |
| Working range:<br>Precision steel | Ø 8-110 mm (5/16-4.1/4")<br>•⊖ 3 mm, soft, semi-hard |
| Working range:<br>Stainless steel | Ø 8-110 mm (5/16-4.1/4")<br>•⊖ 3 mm, soft, semi-hard |

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### Expander heads

**Expander head  
ROLOCK**



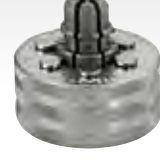
**Expander head  
standard**



**Expander head  
type S**



**Flanged riveted  
expander head**



|  |   |   |   |  |
|--|---|---|---|--|
| <b>Working range:</b><br>Copper          | Ø 8-42 mm (5/16-1.3/4")<br>•Ø 1.6 mm, soft, semi-hard | Ø 8-42 mm (5/16-1.3/4")<br>•Ø 1.6 mm, soft, semi-hard | Ø 22-67 mm (1-2.1/2")<br>•Ø 2.5 mm, soft, semi-hard | Ø 15-38 mm<br>•Ø 1.5 mm, soft, semi-hard |
| <b>Working range:</b><br>Aluminium       | Ø 8-28 mm (5/16-1.1/8")<br>•Ø 1.6 mm, soft            | Ø 8-28 mm (5/16-1.1/8")<br>•Ø 1.6 mm, soft            | Ø 22-67 mm (1-2.1/2")<br>•Ø 2.5 mm, soft            | –  |
| <b>Working range:</b><br>Precision steel | Ø 8-28 mm (5/16-1.1/8")<br>•Ø 1.6 mm, soft            | Ø 8-28 mm (5/16-1.1/8")<br>•Ø 1.6 mm, soft            | Ø 22-54 mm (1-2.1/8")<br>•Ø 1.5 mm, soft            | –  |
| <b>Working range:</b><br>Stainless steel | Ø 8-22 mm (5/16-7/8")<br>•Ø 1 mm, soft                | Ø 8-22 mm (5/16-7/8")<br>•Ø 1 mm, soft                | Ø 22-54 mm (1-2.1/8")<br>•Ø 1.5 mm, soft            | –  |
| <b>Page</b>                              | <b>84</b>   | <b>84</b>   | <b>86</b>   | <b>86</b>                                |

**Stufen-Expanderkopf**



|  |  |
|--|--|
| <b>Working range:</b><br>Copper          | Ø 35-108 mm (1.3/8-4.1/8")<br>•Ø 2,5 mm, soft, semi-hard |
| <b>Working range:</b><br>Aluminium       | Ø 35-108 mm (1.3/8-4.1/8")<br>•Ø 2,5 mm, soft            |
| <b>Working range:</b><br>Precision steel | –  |
| <b>Working range:</b><br>Stainless steel | –  |
| <b>Page</b>                              | <b>87</b>  |

# Expanding, extracting, flaring

## Expanding, manual

### 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



#### Product profile

##### APPLICATION AREA

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

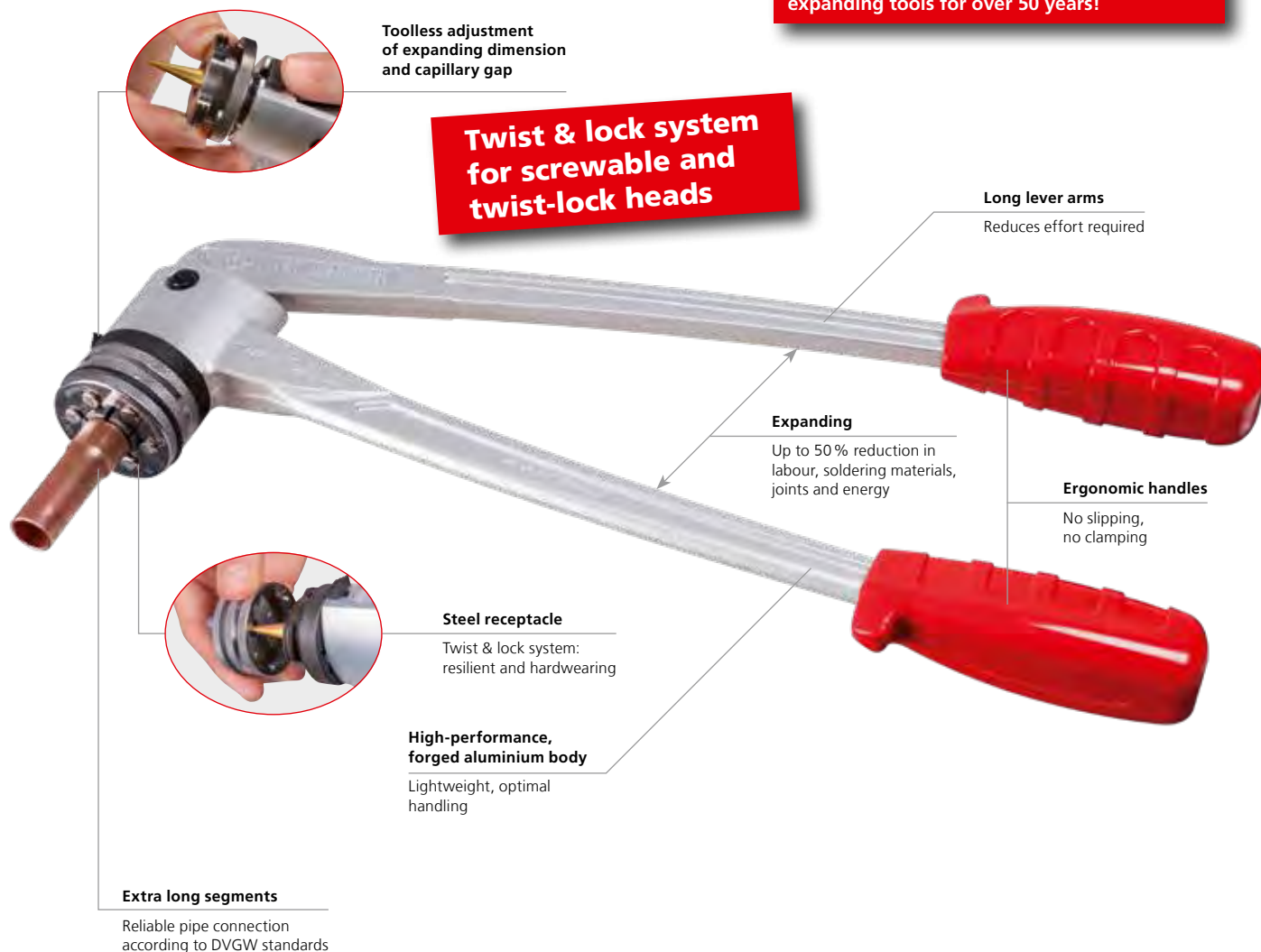
**Stainless steel (soft):** Ø 8 - 22 mm, 5/16 - 7/8"  
max. wall thickness 1.0 mm

##### KEY FEATURES

- 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**

#### Made in Germany!

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



#### ROLOCK expander power torque



No.

Expander tool (without expander heads)  
for expander heads up to 42 mm / 1.3/4"

1.0

**12400**




### ROLOCK expander power torque sets

ROLOCK expander power torque sets include: expander heads, ROLOCK expander power torque (No. 12400), internal and external deburrer (No. 11006), inlay, carrying case



Fig. similar

#### ROLOCK expander power torque sets

| Model  |  kg | No.          |
|--|--|--------------|
| 12 - 15 - 18 - 22 mm                         | 2.9  | <b>12500</b> |
| 12 - 15 - 18 - 22 - 28 mm                    | 3.3  | <b>12503</b> |
| 10 - 12 - 16 - 22 - 28 mm                    | 3.3  | <b>12505</b> |
| 12 - 14 - 16 - 18 - 22 mm                    | 3.3  | <b>12509</b> |
| 10 - 12 - 14 - 16 - 18 - 22 mm               | 3.6  | <b>12511</b> |
| 10 - 12 - 15 - 16 - 18 - 22 - 28 mm          | 3.6  | <b>12537</b> |
| 12 - 14 - 16 - 18 - 22 - 28 - 32 mm          | 3.7  | <b>12538</b> |
| 3/8 - 1/2 - 5/8 - 3/4 - 1"                   | 3.3  | <b>12517</b> |
| 3/8 - 1/2 - 5/8 - 3/4 - 7/8 - 1.1/8"         | 3.6  | <b>12518</b> |
| 1/2 - 5/8 - 3/4 - 7/8"                       | 2.9  | <b>12521</b> |
| 12 - 16 - 18 - 22 - 28 mm                    | 3.2  | <b>12522</b> |
| 1/2 - 5/8 - 7/8 - 1.1/8"                     | 3.0  | <b>12524</b> |
| 12 - 15 - 18 - 22 - 28 - 35 - 42 mm          | 4.2  | <b>12526</b> |
| 1/2 - 3/4 - 1"                               | 2.9  | <b>12535</b> |
| 3/8 - 1/2 - 5/8 - 3/4 - 7/8 - 1 - 1.1/8"     | 3.7  | <b>12536</b> |
| 3/8 - 1/2 - 5/8 - 3/4 - 7/8 - 1.1/8 - 1.3/8" | 4.5  | <b>12541</b> |

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

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



For efficient, fitting-free installation of pipes



### Custom-made products\*

#### ROCAM PE-X expander power torque



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

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



#### ACCESSORIES



| Description                                     |  | Description   |  |
|---|---|---|---|
| Expander heads for ROLOCK expander power torque | <b>84</b>   | Expander adaptor type S   | <b>86</b>   |
| Expander heads type S / riveted expander heads  | <b>86</b>   | Brazing solder  | <b>179</b>  |
| Pipe cutter                                     | <b>14 - 27</b>  | High-performance torch (SUPER FIRE 4 with MAPP <sup>1)</sup> gas) | <b>152 - 153</b>  |
| Internal / external deburrer                    | <b>32</b>   |   |   |

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

<sup>1)</sup> MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

# Expanding, extracting, flaring

## Expanding, manual

### Expander head ROLOCK and 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

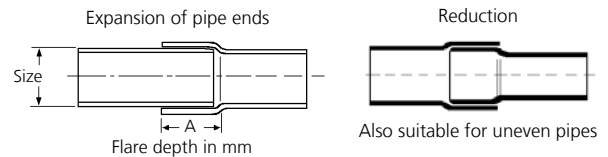
#### Made in Germany!

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

#### Product profile

##### KEY FEATURES

- 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



#### 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

### Expander head ROLOCK

Twist & lock system for quick and easy change between nominal diameters



### Expander head standard

Standard screwable expander head, still compatible with the ROLOCK Expander



| mm | max. wall thickness mm (soft) |     |     |      | A mm | ROLOCK No. | Standard No. |
|----|-------------------------------|-----|-----|------|------|------------|--------------|
|    | Cu                            | Al  | Fe  | Inox |      |            |              |
| 8  | 1.0                           | 1.0 | 1.0 | 1.0  | 6.0  | 120        | 12408 11008  |
| 10 | 1.0                           | 1.0 | 1.0 | 1.0  | 10.0 | 120        | 12410 11010  |
| 12 | 1.2                           | 1.2 | 1.2 | 1.0  | 12.6 | 120        | 12412 11012  |
| 14 | 1.2                           | 1.2 | 1.2 | 1.0  | 12.6 | 120        | 12414 11014  |
| 15 | 1.2                           | 1.2 | 1.2 | 1.0  | 15.5 | 120        | 12415 11015  |
| 16 | 1.2                           | 1.2 | 1.2 | 1.0  | 15.5 | 120        | 12416 11016  |
| 18 | 1.2                           | 1.2 | 1.2 | 1.0  | 17.5 | 120        | 12418 11018  |
| 20 | 1.2                           | 1.2 | 1.2 | 1.0  | 17.5 | 140        | 12420 11020  |
| 22 | 1.2                           | 1.5 | 1.5 | 1.0  | 20.5 | 140        | 12422 11022  |
| 28 | 1.5                           | 1.5 | 1.5 | —    | 18.5 | 390        | 12428 11028  |
| 32 | 1.5                           | —   | —   | —    | 19.5 | 410        | 12432 11032  |
| 35 | 1.6                           | —   | —   | —    | 19.5 | 430        | 12435 11035  |
| 38 | 1.6                           | —   | —   | —    | 19.5 | 450        | 12438 11038  |
| 40 | 1.5                           | —   | —   | —    | 19.5 | 470        | 12440 11040  |
| 42 | 1.5                           | —   | —   | —    | 19.5 | 470        | 12442 11042  |

| inch   | max. wall thickness mm (soft) |     |     |      | A mm | ROLOCK No. | Standard No. |
|--------|-------------------------------|-----|-----|------|------|------------|--------------|
|        | Cu                            | Al  | Fe  | Inox |      |            |              |
| 5/16"  | 1.0                           | 1.0 | 1.0 | 1.0  | 6.0  | 120        | 12408 11008  |
| 3/8"   | 1.0                           | 1.0 | 1.0 | 1.0  | 7.4  | 120        | 12452 11052  |
| 1/2"   | 1.2                           | 1.2 | 1.2 | 1.0  | 11.0 | 120        | 12453 11053  |
| 5/8"   | 1.2                           | 1.2 | 1.2 | 1.0  | 14.0 | 120        | 12454 11054  |
| 3/4"   | 1.2                           | 1.2 | 1.2 | 1.0  | 18.1 | 120        | 12455 11055  |
| 7/8"   | 1.2                           | 1.2 | 1.2 | 1.0  | 18.0 | 140        | 12456 11056  |
| 1"     | 1.5                           | 1.5 | 1.5 | —    | 15.8 | 150        | 12457 11057  |
| 1.1/8" | 1.6                           | 1.6 | 1.6 | —    | 17.0 | 390        | 12458 11058  |
| 1.1/4" | 1.6                           | —   | —   | —    | 17.0 | 410        | 12459 11059  |
| 1.3/8" | 1.6                           | —   | —   | —    | 17.0 | 430        | 12435 11035  |
| 1.1/2" | 1.6                           | —   | —   | —    | 17.0 | 450        | 12438 11038  |
| 1.5/8" | 1.6                           | —   | —   | —    | 17.5 | 470        | 12462 11062  |
| 1.3/4" | 1.6                           | —   | —   | —    | 17.5 | 500        | 12463 11063  |

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

#### Suitable for ROTHENBERGER ROLOCK expander power torque

| Description                               |    | Description                    |     |
|---|----|--------------------------------|-----|
| ROLOCK expander power torque              | 82 | ROCASE 4414 red, without inlay | 335 |
| ROLOCK COMBI KIT expander / tee-extractor | 91 |                                |     |

### 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

#### Product profile

##### APPLICATION AREA

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

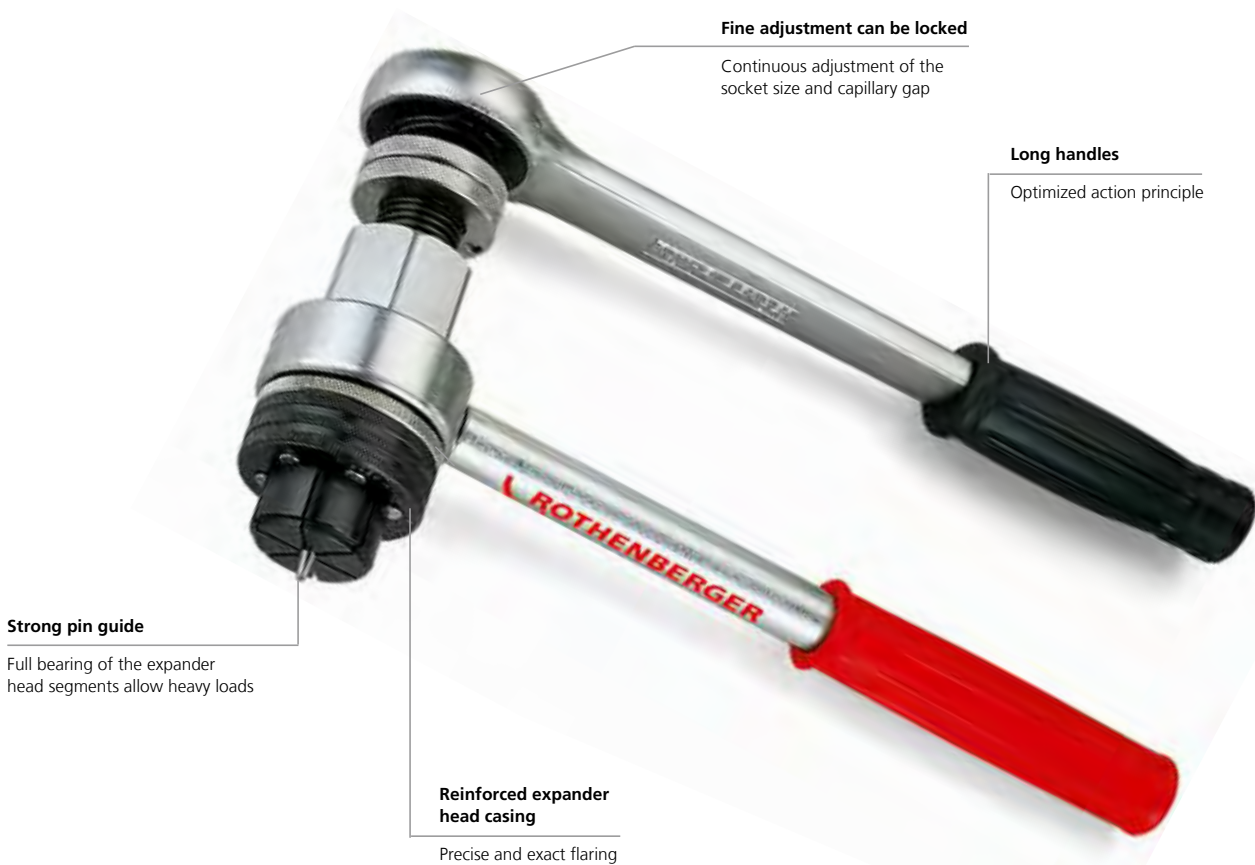
#### Functional elements:

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

#### KEY FEATURES

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

- 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



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                  | Size                 | kg   | No.   |
|------------------------|----------------------|------|-------|
| Expander A0 set        | 35 - 42 - 54 - 64 mm | 8.12 | 11400 |
| Expander A0 basic unit |                      | 1.97 | 11004 |



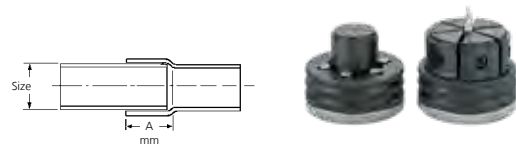
Fig. similar

# Expanding, extracting, flaring

## Expanding, manual

### 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



Accurate guidance of the segments through the reinforced expander head casing

| mm | max. wall thickness mm |     |     |      | A-size mm | g   | No.   |
|----|------------------------|-----|-----|------|-----------|-----|-------|
|    | Cu                     | Al  | Fe  | Inox |           |     |       |
| 22 | 2.0                    | 2.0 | 1.5 | 1.5  | 18.5      | 350 | 11323 |
| 25 | 2.0                    | 2.0 | 1.5 | 1.5  | 18.5      | 350 | 11325 |
| 28 | 2.0                    | 2.0 | 1.5 | 1.5  | 19.5      | 360 | 11328 |
| 32 | 2.0                    | 2.0 | 1.5 | 1.5  | 19.5      | 380 | 11332 |
| 35 | 2.0                    | 2.0 | 1.5 | 1.5  | 19.5      | 400 | 11335 |
| 36 | 2.0                    | 2.0 | 1.5 | 1.5  | 19.5      | 400 | 11336 |
| 42 | 2.0                    | 2.0 | 1.5 | 1.5  | 19.5      | 450 | 11342 |
| 54 | 2.5                    | 2.5 | 1.5 | 1.5  | 19.5      | 570 | 11346 |
| 64 | 2.5                    | 2.5 | —   | —    | 19.5      | 690 | 11348 |
| 67 | 2.5                    | 2.5 | —   | —    | 19.5      | 730 | 11380 |

| inch   | max. wall thickness mm |     |     |      | A-size mm | g   | No.   |
|--------|------------------------|-----|-----|------|-----------|-----|-------|
|        | Cu                     | Al  | Fe  | Inox |           |     |       |
| 1"     | 2.0                    | 2.0 | 1.5 | 1.5  | 18.5      | 350 | 11376 |
| 1.1/8" | 2.0                    | 2.0 | 1.5 | 1.5  | 19.5      | 360 | 11358 |
| 1.1/4" | 2.0                    | 2.0 | 1.5 | 1.5  | 19.5      | 380 | 11332 |
| 1.3/8" | 2.0                    | 2.0 | 1.5 | 1.5  | 19.5      | 400 | 11335 |
| 1.5/8" | 2.0                    | 2.0 | 1.5 | 1.5  | 19.5      | 450 | 11362 |
| 2"     | 2.0                    | 2.0 | 1.5 | 1.5  | 17.0      | 540 | 11364 |
| 2.1/8" | 2.5                    | 2.5 | 1.5 | 1.5  | 17.0      | 570 | 11346 |
| 2.1/2" | 2.5                    | 2.5 | —   | —    | 17.0      | 690 | 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



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

| Model                                 | max.                | max. mm | g   | No.   |
|---------------------------------------|---------------------|---------|-----|-------|
| Adaptor type S, without expander head | 67 mm and/or 2.1/2" | 2.0     | 630 | 11007 |

### Flanged riveted expander heads

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



| Product profile  |  |
|--|--|
| APPLICATION AREA   |  |
| For producing exact hose connections, for example vibrating power units in   |  |
| <ul style="list-style-type: none"> <li>● Air-conditioning technology</li> <li>● Auto manufacturing</li> <li>● Industrial applications</li> </ul> |  |

| mm | mm  | Outer dia.-flange mm | Distance flange pipe end mm | g   | No.   |
|----|-----|----------------------|-----------------------------|-----|-------|
| 15 | 1.5 | 18                   | 4                           | 110 | 11955 |
| 18 | 1.5 | 21                   | 4                           | 110 | 11958 |
| 22 | 1.5 | 25                   | 6                           | 120 | 11962 |
| 28 | 1.5 | 31                   | 6                           | 370 | 11968 |
| 35 | 1.5 | 38                   | 6                           | 400 | 11975 |



### Step expander A1

For expanding, reducing and calibrating thick walled pipes, Ø 35 - 108 mm (1.3/8 - 4.1/8") as well as the production of tapers

#### Product profile

##### APPLICATION AREA

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

**Suitable for pipes made of:**

**Copper and aluminium:** Ø 35 - 108 mm, 1.3/8 - 4.1/8"  
(soft) max. wall thickness 2.5 mm

##### KEY FEATURES

- 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



| Size   | kg  | No.          |
|--|-----|--------------|
| 42 - 54 - 64 - 76.1 - 88.9 - 108 mm            | 4.2 | <b>11086</b> |
| 35 - 42 - 54 - 64 - 76 - 108 mm                | 3.9 | <b>11087</b> |
| 35 - 42 - 54 - 67 - 80 - 104 mm                | 3.9 | <b>11089</b> |
| 1.3/8 - 1.5/8 - 2.1/8 - 2.5/8 - 3.1/8 - 4.1/8" | 4.2 | <b>11078</b> |
| 1.1/4 - 4"                                     | 3.8 | <b>11093</b> |

# Expanding, extracting, flaring

## Expanding, hydraulic

### Hydraulic expander system H 600

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



#### Product profile

##### APPLICATION AREA

Suitable for normal and thick walled pipes made of:  
**Copper and aluminium:** Ø 8 - 110 mm, 5/16 - 4.1/4" max. wall thickness 3.0 mm  
**Precision and stainless steel:** Ø 8 - 110 mm, 5/16 - 4.1/4" max. wall thickness 3.0 mm

##### KEY FEATURES

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

##### TECHNICAL DATA

**Rated power:** 1.2 kW  
**Rated current:** 2.1 A  
**Operating pressure:** 80 - 600 bar  
**Max. operating pressure:** 700 bar  
**Delivery capacity:** 0.82 l / min  
**Safety category:** IP 54  
**Actuation:** 400 V / 1,200 W

4



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

| Model                            | kg   | No.          |
|----------------------------------|------|--------------|
| Hydraulic expander system H600   | 36.0 | <b>13100</b> |
| Hydraulic unit H 600             | 33.1 | <b>13002</b> |
| Safety foot pedal with 3 m cable | 0.5  | <b>12013</b> |

### Electro-hydraulic expander pistol H1

#### Product profile

##### APPLICATION AREA

|   |  |
|---|--|
| <b>Expander heads standard:</b>                           | Ø 8 - 42 mm, 5/16 - 1.3/4"<br>max. wall thickness 1.6 mm |
| <b>Expander heads type S:</b><br>(with adaptor No. 11007) | Ø 22 - 67 mm, 1 - 2.1/2"<br>max. wall thickness 2.5 mm   |

**Set includes:** 2.5 m control cable (No. F88928), hydraulic hose (No. 12023), adjusting tool (No. 12017), hydraulic oil 1 l (No. 58185)

| Description                          | kg  | No.          |
|--------------------------------------|-----|--------------|
| Electro-hydraulic expander pistol H1 | 2.9 | <b>12001</b> |
| Adaptor H1 / type S                  | 0.6 | <b>11007</b> |
| Adjusting tool for H1                | 0.9 | <b>12017</b> |

##### ACCESSORIES

| Description                            | kg  | No.          |
|--|-----|--------------|
| Expander head H2 / type 2, 28 - 70 mm  | 2.5 | <b>12078</b> |
| Expander head H2 / type 3, 70 - 110 mm | 3.0 | <b>12080</b> |
| Adaptor H2 / type S                    | 1.1 | <b>12097</b> |
| Adjusting tool for H2                  | 0.9 | <b>12018</b> |



Adaptor  
(No. 12097)



Adjusting tool  
(No. 12018)



Expander pistol H1  
(No. 12001)

### Expander adaptor type S

To increase the application area of the ROCAM expander power torque, expander pistol H1/H2, expander A0/A1 and ROMAX expander compact



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



Expander adaptor (No. 12097) for  
expander pistol H2














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

| Model                                  | max.                | max. mm | kg  | No.          |
|--|---------------------|---------|-----|--------------|
| Adaptor type S, without expander heads | 67 mm and/or 2.1/2" | 2.0     | 0.6 | <b>11007</b> |
| Adaptor H2/type S                      | 70 - 110 mm         |         | 1.1 | <b>12097</b> |

# Expanding, extracting, flaring

## Accessories expanding

### Expander head compatibility

|  | Expander head<br>ROLOCK | Expander head<br>standard | Expander head<br>type S  | Riveted<br>expander head | Expander head<br>PE-X | Expander head<br>H2, type 2 and 3 | Step<br>expander head |
|--|-------------------------|---------------------------|--|--------------------------|-----------------------|-----------------------------------|-----------------------|
| <b>ROLOCK expander<br/>power torque</b><br>     | ●                       | ●                         |                             | ●                        | ○                     | ○                                 | ○                     |
| <b>ROCAM expander<br/>power torque</b><br>      | ○                       | ●                         |                             | ●                        | ●<br>No. 12005        | ○                                 | ○                     |
| <b>Expander A0</b><br>                          | ○                       | ○                         | ●  | ○                        | ○                     | ○                                 | ○                     |
| <b>Expander A1</b><br>                         | ○                       | ○                         | ○  | ○                        | ○                     | ○                                 | ●                     |
| <b>ROMAX expander<br/>compact</b><br>         | ○                       | ●<br>No. 15714            |  No. 15714<br>● No. 15715 | ●<br>No. 15714           | ●<br>No. 15716        | ○                                 | ○                     |
| <b>ROMAX expander<br/>AC ECO MAXI</b><br>     | ○                       | ○                         | ○  | ○                        | ○                     | ○                                 | ●                     |
| <b>Expander pistol H1</b><br>                 | ○                       | ●                         |                           | ●                        | ○                     | ○                                 | ○                     |
| <b>Expander pistol H2</b><br><br>Fig. similar | ○                       | ○                         |                           | ○                        | ○                     | ●                                 | ○                     |

● Expander head can be used without adaptor ○ Expander head can not be used

Fig.: Can be used with the appropriate adaptor (pictured)



# Expanding, extracting, flaring

## Expanding and extracting, manual

### ROLOCK COMBI KIT expander / tee-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")

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- Increases safety by reducing the number of connections
- Suitable for making branches even in confined spaces through the compact design

#### Made in Germany!

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



#### KEY FEATURES

- 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

Scale and cam  
depth adjustment

#### Extractor cam pincer

Limits insertion depth for  
Ø 12 - 42 mm (1/2 - 1.5/8")

No. 22080

ROLOCK COMBI KIT 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            | Description              | kg  | No.   |
|------------------|--------------------------|-----|-------|
| ROLOCK COMBI KIT | 12 - 15 - 18 - 22 mm     | 4.4 | 12601 |
| ROLOCK COMBI KIT | 12 - 14 - 16 - 18 mm     | 2.6 | 12602 |
| ROLOCK COMBI KIT | 1/2 - 5/8 - 7/8 - 1.1/8" | 2.8 | 12604 |
| ROLOCK COMBI KIT | 1/2 - 3/4 - 1            | 2.5 | 12605 |

Fig. similar

# Expanding, extracting, flaring

## Extracting, manual

### Tee-extractor sets

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

### Made in Germany!

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



### Product profile

#### APPLICATION AREA

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

#### KEY FEATURES

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

#### Scale and cam depth adjustment



Fig. similar

**Tee-extractor sets include:** tee-extractor according to chart, special ratchet (No. 27180), adaptor (No. 150002894), cam pincher (No. 22080) and special conical drill, UNIDRILL Automatic 42 (No. 21575), carrying case

| Model   | Description | kg  | No.          |
|---|-------------|-----|--------------|
| Tee-extractor set 12 - 15 - 18 - 22 mm                |             | 3.4 | <b>22100</b> |
| Tee-extractor set 12 - 15 - 22 - 28 mm                |             | 3.6 | <b>22101</b> |
| Tee-extractor set 12 - 15 - 18 - 22 - 28 mm           |             | 3.9 | <b>22103</b> |
| Tee-extractor set 12 - 14 - 16 - 18 - 22 mm           |             | 3.6 | <b>22109</b> |
| Tee-extractor set 10 - 12 - 14 - 16 - 18 - 22 mm      |             | 3.7 | <b>22111</b> |
| Tee-extractor set 12 - 15 - 18 - 22 - 28 - 35 - 42 mm |             | 5.5 | <b>22126</b> |
| Tee-extractor set 15 - 22 - 28 mm                     |             | 3.6 | <b>22127</b> |
| Tee-extractor set 1/2 - 5/8 - 3/4 - 7/8"              |             | 3.4 | <b>22121</b> |
| Tee-extractor set 1/2 - 5/8 - 7/8 - 1.1/8"            |             | 3.7 | <b>22124</b> |
| Tee-extractor set 1/2 - 3/4 - 1"                      |             | 3.3 | <b>22135</b> |





### Tee-extractor


Tee-extractor with double V-block for accurate 90° branches, Ø 10 - 54 mm (3/8 - 2.1/8")



#### Product profile



##### KEY FEATURES

- Uniform and proper material extraction without scratches or burrs
- Burr-free operation with the specially polished extractor hooks
- Easy insertion into the drilled hole with the special trapezoidal screw thread
- Accurate and firm positioning for exact 90° branches

|  mm / inch |  mm | Drill Ø<br>mm |  mm |  g | No.          |
|---|--|---------------|--|---|--------------|
| 10  | 1.0  | 6             | 11   | 130   | <b>22010</b> |
| 12  | 1.0  | 7             | 11   | 150   | <b>22012</b> |
| 14  | 1.0  | 8             | 11   | 160   | <b>22014</b> |
| 15  | 1.0  | 8             | 11   | 160   | <b>22015</b> |
| 16  | 1.0  | 8             | 11   | 220   | <b>22016</b> |
| 18  | 2.0  | 10            | 11   | 220   | <b>22018</b> |
| 28  | 2.5  | 15            | 11   | 470   | <b>22028</b> |
| 35  | 2.5  | 22            | 11   | 700   | <b>22035</b> |
| 38  | 2.5  | 22            | 11   | 700   | <b>22038</b> |
| 42  | 2.5  | 26            | 11   | 890   | <b>22042</b> |
| 54  | 2.5  | 30            | 19   | 1,380   | <b>22054</b> |
| 3/8"  | 1.0  | 6             | 11   | 110   | <b>22060</b> |
| 1/2"  | 1.0  | 7             | 11   | 140   | <b>22061</b> |
| 5/8"  | 1.0  | 8             | 11   | 220   | <b>22016</b> |
| 3/4"  | 2.0  | 10            | 11   | 220   | <b>22062</b> |
| 7/8"  | 2.0  | 12            | 11   | 350   | <b>22063</b> |

 hexagon  square

|  mm |  g | No.               |
|--|---|-------------------|
| 10   | 60  | <b>1300005045</b> |
| 12   | 70  | <b>1300005046</b> |
| 14   | 90  | <b>1300005047</b> |
| 15   | 90  | <b>1300005048</b> |
| 16   | 140   | <b>1300005049</b> |
| 18   | 140   | <b>1300005050</b> |
| 22   | 210   | <b>1300005051</b> |
| 28   | 220   | <b>1300005052</b> |
| 35   | 290   | <b>1300005054</b> |
| 38   | 290   | <b>1300005055</b> |
| 42   | 320   | <b>1300005056</b> |
| 54   | 560   | <b>1300005057</b> |

|  inch |  g | No.               |
|--|---|-------------------|
| 3/8"   | 60  | <b>1300005058</b> |
| 1/2"   | 70  | <b>1300005059</b> |
| 5/8"   | 140   | <b>1300005049</b> |
| 3/4"   | 140   | <b>1300005060</b> |
| 7/8"   | 200   | <b>1300005061</b> |
| 1"   | 210   | <b>1300005062</b> |
| 1.1/8"   | 220   | <b>1300005063</b> |
| 1.1/4"   | 270   | <b>1300005064</b> |
| 1.3/8"   | 290   | <b>1300005054</b> |
| 1.1/2"   | 290   | <b>1300005055</b> |
| 1.5/8"   | 320   | <b>1300005065</b> |
| 2"   | 520   | <b>1300005067</b> |
| 2.1/8"   | 560   | <b>1300005057</b> |

#### 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")

|  mm / inch |  mm | Drill Ø<br>mm |  mm |  g | No.          |
|---|---|---------------|--|---|--------------|
| 1"  | 2.5   | 14            | 11   | 470   | <b>22064</b> |
| 1.1/8"  | 2.5   | 15            | 11   | 480   | <b>22065</b> |
| 1.1/4"  | 2.5   | 19            | 11   | 700   | <b>22066</b> |
| 1.3/8"  | 2.5   | 22            | 11   | 700   | <b>22035</b> |
| 1.1/2"  | 2.5   | 22            | 11   | 700   | <b>22038</b> |
| 1.5/8"  | 2.5   | 26            | 11   | 900   | <b>22068</b> |
| 2"  | 2.5   | 30            | 19   | 1,380   | <b>22050</b> |
| 2.1/8"  | 2.5   | 30            | 19   | 1,380   | <b>22054</b> |

#### Accessories

Socket 19 mm

**F80053**

Square connection 3/4"

**F80054**

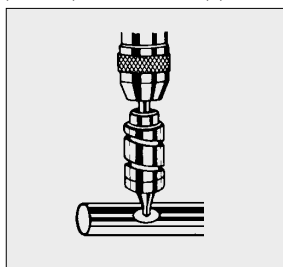
### Spare extractor hooks

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

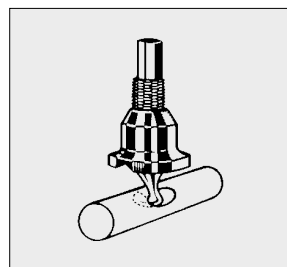


**Note: For copper pipes (soft), the use of an extractor support is recommended! ( 94)**

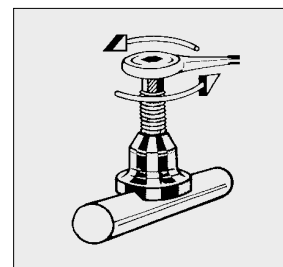
Precise drilling of the pipe without a centre punch – drill stop prevents perforation of the pipe



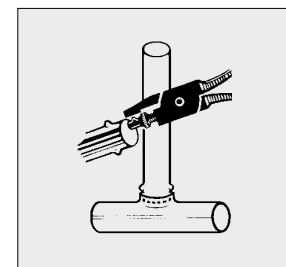
Insert extractor hook into the drilled hole and screw the bell firmly against the drill hole



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.

# Expanding, extracting, flaring

## Accessories extracting, manual

### Tee-extractor ratchet

Chrome vanadium steel, fine toothed and right/left reversible



No. 27180  
Fig. similar

No. 1500002894  
Adaptor for the use with extractor



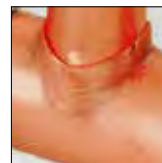
No. 27181

| Model                    | SW     | g     | No.          |
|--------------------------|--------|-------|--------------|
| 10 - 42 mm, 3/8 - 1.3/4" | 3/4" ■ | 435   | <b>27180</b> |
| 50 - 54 mm, 2 - 2.1/8"   | 3/4" ■ | 1,140 | <b>27181</b> |

### Extractor cam pincer

#### KEY FEATURES

- Identification point marks insertion depth exactly and prevents over-insertion
- Cam depth adjustment wheel with scale



| mm      | inch         | mm  | g   | No.          |
|---------|--------------|-----|-----|--------------|
| 12 - 42 | 1/2 - 1.5/8" | 150 | 170 | <b>22080</b> |

### UNIDRILL Automatic 28/42

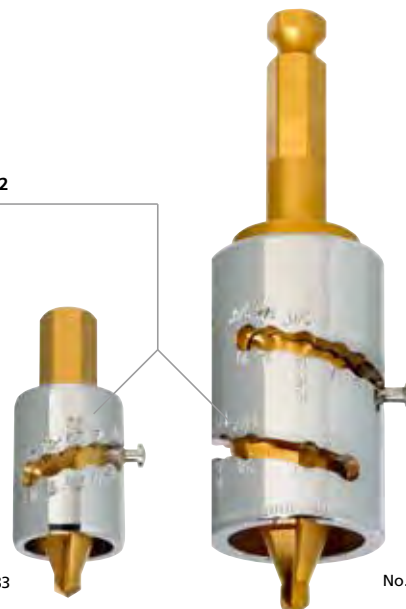
HSS special conical drill

#### KEY FEATURES

- 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

#### UNIDRILL Automatic 28/42

Accurate drilling



No. 21583

No. 21575



| Model       | mm      | inch         | SW | g   | No.          |
|-------------|---------|--------------|----|-----|--------------|
| UNIDRILL 28 | 10 - 28 | 3/8 - 1.1/8" | 11 | 110 | <b>21583</b> |
| UNIDRILL 42 | 10 - 42 | 3/8 - 1.5/8" | 11 | 430 | <b>21575</b> |



### Precision double flaring press DB 10

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

#### Product profile

##### APPLICATION AREA

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

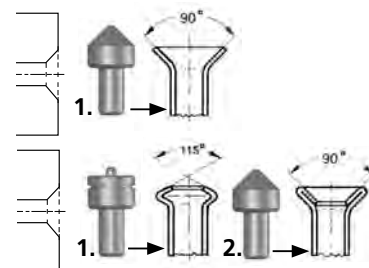
##### KEY FEATURES

- 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

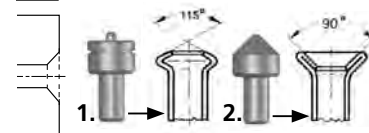
#### E- contour, simple flare:

- Standard flaring contour



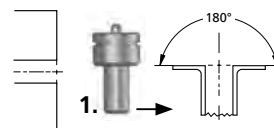
#### D-contour, double flare:

- Extension of brake and/or hydraulic lines
- Connection by means of coupling rings, sealed by means of flaring surface

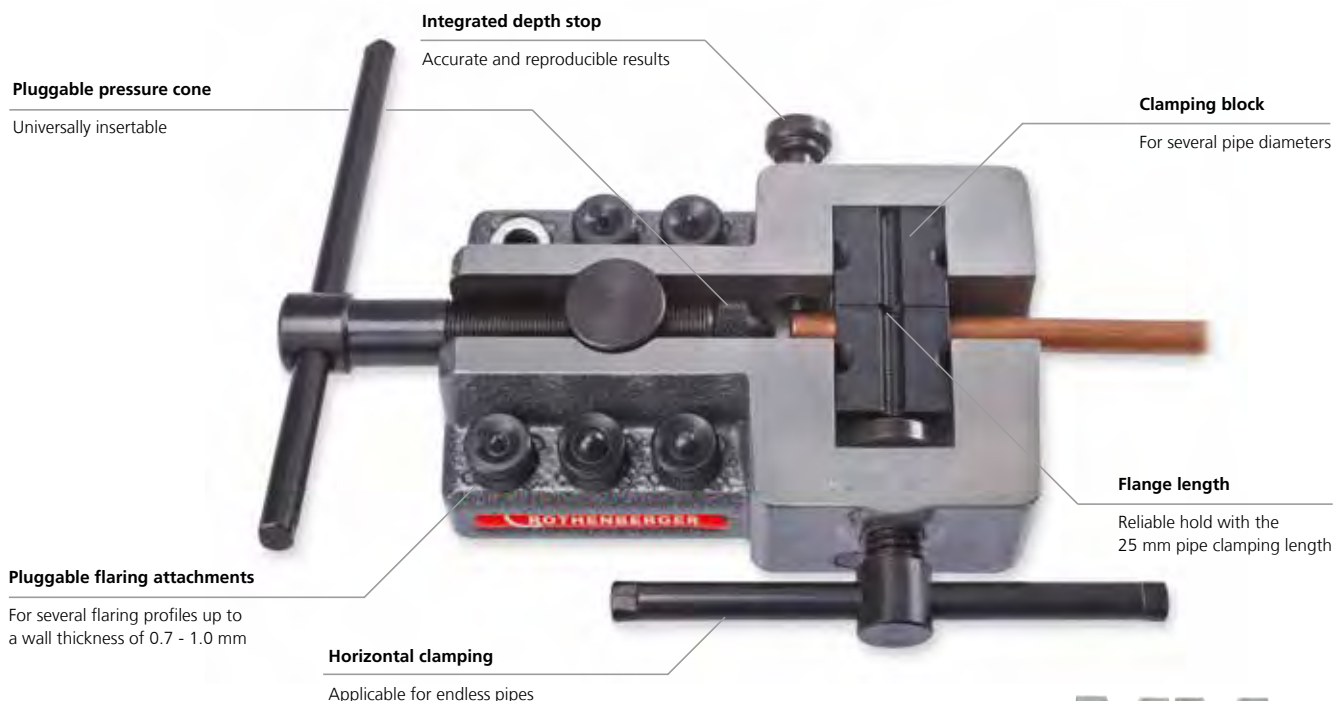


#### 180° flares:

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



4

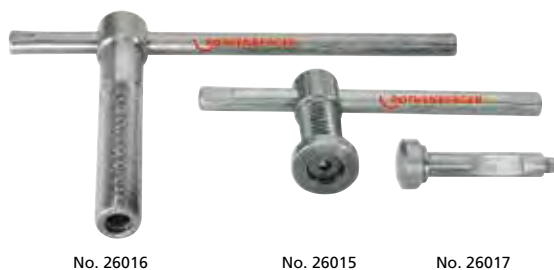


#### Pluggable flaring attachments

For several flaring profiles up to a wall thickness of 0.7 - 1.0 mm

#### Horizontal clamping

Applicable for endless pipes



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

| Description        | mm                           | kg   | No.          |
|--------------------|------------------------------|------|--------------|
| DB 10 set          | 4.75 - 5 - 6 - 8 - 9 - 10 mm | 2.64 | <b>26013</b> |
| Flaring attachment | 4.75 / 5 mm                  | 0.20 | <b>26001</b> |
| Flaring attachment | 6 mm                         | 0.20 | <b>26002</b> |
| Flaring attachment | 8 mm                         | 0.20 | <b>26003</b> |
| Flaring attachment | 9 mm                         | 0.20 | <b>26004</b> |
| Flaring attachment | 10 mm                        | 0.20 | <b>26005</b> |

| Description  | mm | g   | No.          |
|--|----|-----|--------------|
| Pressure cone  |    | 20  | <b>26010</b> |
| Clamping spindle   |    | 90  | <b>26015</b> |
| Flaring spindle  |    | 300 | <b>26016</b> |
| Distance bolt  |    | 30  | <b>26017</b> |
| Set of clamping blocks (2 pcs.) for pipes 4.75 - 5 - 6 - 8 - 9 - 10 mm |    | 190 | <b>26011</b> |

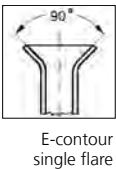
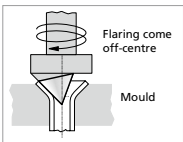
# Expanding, extracting, flaring

## Flaring

### 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"



#### Product profile

##### KEY FEATURES

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

4

#### Adaptor attachment

For ratchet and electric drive



#### Spring loaded safety clutch

No reduction of wall thickness

#### High-quality revolver die

Highest fitting accuracy  
with long service life

#### Recuperating spring

Automatic support to pull back  
the flexible revolver die

#### Optimized rubber handle

Durable and slip-proof

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

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

| Description  | No.        |
|--|------------|
| Set, metric with ROTRAC 28 PLUS chrome limited edition   | 1000000230 |
| Set, imperial with ROTRAC 28 PLUS chrome limited edition | 1000000231 |
| Metric, Ø 6, 8, 10, 12, 16, 18 mm                        | 1000000222 |
| Imperial, Ø 1/4, 5/16, 3/8, 1/2, 5/8, 3/4"               | 1000000223 |

Compact design enables use  
in confined spaces



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



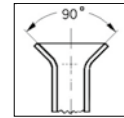
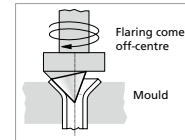
### Reeling flaring tool

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

#### Product profile

##### KEY FEATURES

- 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



4



Fig. similar

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

| Model       | mm / inch  | No.           |
|-------------|--|---------------|
| Set EB      | 6 - 8 - 10 - 12 - 14 - 15 - 16 - 18 mm           | <b>222401</b> |
|             | 1/8 - 3/16 - 1/4 - 5/16 - 3/8 - 1/2 - 5/8 - 3/4" |               |
| Set EB      | 1/8 - 3/16 - 1/4 - 5/16 - 3/8 - 1/2 - 5/8 - 3/4" | <b>222402</b> |
| Set EB      | 6 - 8 - 10 - 12 - 14 - 15 - 16 - 18 mm           | <b>222403</b> |
| <b>Dies</b> |  |               |
| Metric      | 6 - 8 - 10 - 12 - 14 - 15 - 16 - 18 mm           | <b>222413</b> |
| Imperial    | 1/8 - 3/16 - 1/4 - 5/16 - 3/8 - 1/2 - 5/8 - 3/4" | <b>222412</b> |

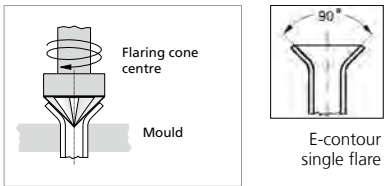
# Expanding, extracting, flaring

## Flaring




### Universal flaring tool

For producing precise 45° single flares on copper pipes Ø 4 - 16 mm (3/16 - 5/8")

- Universal application and highest flare precision through self-centring 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  |  mm |  inch |  g | No.    |
|--------|--|--|---|--------|
| Set EB | 4 - 16 mm  | 3/16 - 5/8"  | 900   | 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



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                 |  mm |  kg | No.   |
|-----------------------|--|--|-------|
| Flaring / bending set | 4.75 - 5 - 6 - 8 - 9 - 10  | 5.5  | 26020 |



# Expanding, extracting, flaring

## Torque wrench

### ROTORQUE AIRCON / REFRIGERATION

#### Step-less torque wrench

##### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- 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

Connection 9 x 12

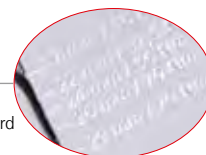
Head can be exchanged between ROTORQUE AIRCON and ROTORQUE REFRIGERATION

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

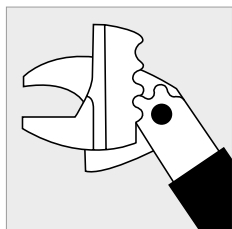


The torque can be read off

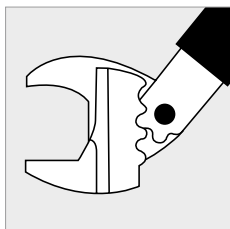
Always tighten according to the standard



Closed head



Fully opened head



##### ROTORQUE AIRCON torque wrench

- 10 – 110 Nm
- $\pm 4\%$  accuracy
- 1 Nm adjustment steps

##### ROTORQUE REFRIGERATION torque wrench

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



Fig. ROTORQUE AIRCON torque wrench



Fig. ROTORQUE REFRIGERATION torque wrench

ROTORQUE sets include: torque wrench, head, carrying bag

| Model                  | kg  | No.        |
|------------------------|-----|------------|
| ROTORQUE AIRCON        | 1.5 | 1000000224 |
| ROTORQUE REFRIGERATION | 1.4 | 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



**Fix with torque urgently necessary!**

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

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

| Model                     | kg  | No.    |
|---------------------------|-----|--------|
| Torque wrench set, 7 pcs. | 3.5 | 175001 |



Fig. similar







# Pressing

|  |           |
|--|-----------|
| <b>System overview</b>                   | 102 - 103 |
| Press machine compact                    | 104 - 105 |
| Conex Bänninger »B« MaxiPro press system | 106 - 107 |
| Press machines standard                  | 108 - 111 |
| DURA LAZR TEC                            | 112       |
| Press jaws compact                       | 113 - 114 |
| Press jaws standard                      | 114 - 115 |
| Press chains standard                    | 116       |
| Overview press jaws                      | 117 - 118 |
| Pressnavigator app                       | 118       |
| Overview system approvals                | 119 - 123 |

### Press machines



**ROMAX Compact TT (Twin Turbo)**



**ROMAX 4000**



**ROMAX 3000 AC**



**ROMAX AC ECO**



|                                  |                   |                   |                   |                   |
|----------------------------------|-------------------|-------------------|-------------------|-------------------|
| Operation mode:                  | Electro-hydraulic | Electro-hydraulic | Electro-hydraulic | Electro-hydraulic |
| Jaw fixture rotatable:           | 270°              | 270°              | 270°              | 270°              |
| Constant Force Technology (CFT): | ✓                 | ✓                 | ✓                 | ✓                 |
| Controlled press cycle:          | ✓                 | ✓                 | ✓                 | –                 |
| Piston force / hub:              | 19 kN / 30 mm     | 32 kN / 40 mm     | 32 kN / 40 mm     | 32 kN / 40 mm     |
| Service interval:                | 40,000 pressings  | 40,000 pressings  | 20,000 pressings  | 10,000 pressings  |
| LED:                             | ✓                 | ✓                 | ✓                 | –                 |
| Approx. pressing cycle time:     | 3 s               | 5 s               | 5 s               | 7 s               |
| Dimensions:                      | 336 x 143 x 76 mm | 445 x 125 x 75 mm | 460 x 120 x 90 mm | 415 x 180 x 80 mm |
| Cable length:                    | –                 | –                 | 5 m               | 5 m               |
| Weight:                          | 2.5 kg            | 3.6 kg            | 3.8 kg            | 4.5 kg            |
| Battery:                         | ✓                 | ✓                 | –                 | –                 |

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### ROTHENBERGER Constant Force Technology

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

#### CFT guarantees:

**ROMAX Compact TT** 19 kN / 40,000 press cycles

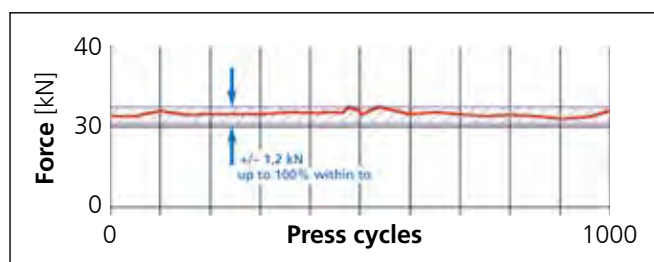
**ROMAX 4000** 32 kN / 40,000 press cycles

**ROMAX 3000 AC** 32 kN / 20,000 press cycles

**ROMAX AC ECO** 32 kN / 10,000 press cycles

#### Constant Force Technology

Measurement under load – UPONOR NW 75



### Cordless Alliance System

- 100% compatibility of machines, battery packs and chargers – cross-manufacturer
- World's most powerful battery pack system with 30 years of battery pack competence from Metabo
- Maximum reliability, clear cost advantages and high investment reliability.
- Cordless Alliance System (CAS) is an alliance of leading power tool brands.
- CAS partner: ROTHENBERGER, Metabo, Mafell, Collomix, Eibenstock, Eisenblätter, Haaga, Starmix, Steinel, Rokamat, Birchmeier, Edding, Fischer, Prebena, Cembre, Pressfit and Jöst.





## Press jaws / Press chains / Press rings

ROTHENBERGER  
PressnavigatorPress jaws  
compactInterchange-  
able press  
jaws compactPress jaws  
standard3-elemental  
press jawsPress chains  
standard

## Press rings



|   |              |              |              |              |               |                           |
|---|--------------|--------------|--------------|--------------|---------------|---------------------------|
| Working range metal:  | Ø 12 - 35 mm | –            | Ø 12 - 54 mm | Ø 42 - 54 mm | Ø 42 - 54 mm  | Ø 42 - 54 mm              |
| Working range multi-layer:  | Ø 12 - 40 mm | Ø 12 - 32 mm | Ø 12 - 40 mm | Ø 50 - 63 mm | Ø 40 - 110 mm | –                         |
| Snap on:  | –            | –            | –            | –            | ✓             | ✓                         |
| DURA LAZR TEC:  | ✓            | –            | ✓            | ✓            | ✓             | ✓                         |
| Long-term corrosion prot.:  | ✓            | ✓            | ✓            | ✓            | ✓             | ✓                         |
| 3-bolt synch. mechanism:  | ✓            | ✓            | ✓            | ✓            | –             | –                         |
| Precision-manufactured contour:   | ✓            | ✓            | ✓            | ✓            | ✓             | ✓                         |
| Compatible with Conex Bänninger ›B‹ MaxiPro press fitting system:                                   | ✓            | –            | ✓            | –            | –             | ✓                         |
| Suitable for all press machines with a compatible press jaw fixture and a constant axial thrust of: | 19 – 21 kN   | 19 – 21 kN   | 32 – 34 kN   | 32 – 34 kN   | 32 – 34 kN    | 19 – 21 kN und 32 – 34 kN |

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## 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 Compact TT, ROMAX 4000 and 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

# Pressing

## Press machine compact

### ROMAX Compact TT (TWIN TURBO)

Electro-hydraulic press machine for battery operated pressing of fittings up to Ø 40 mm (plastic / multi-layer) and / or up to Ø 35 mm (metal) with 19 kN.



#### Product profile

##### APPLICATION AREA

The ROMAX Compact TT 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.

##### COMPATIBLE PRESSING TOOLS

- Press jaws: ROTHENBERGER press jaws compact starting on page 111
- Interchangeable press jaws: ROTHENBERGER interchangeable press jaws starting on page 112

##### TECHNICAL DATA

|                               |  |
|-------------------------------|--|
| <b>Dimension:</b>             | 336 x 143 x 76 mm (w/ 2.0 Ah battery)  |
| <b>Weight:</b>                | Approx. 2.5 kg (without press jaw)   |
| <b>Piston force / hub:</b>    | 19 kN / 30 mm  |
| <b>Nominal size:</b>          | Ø 12 - 40 mm plastic / multi-layer<br>Ø 12 - 35 mm metal                               |
| <b>Service interval:</b>      | 40,000 pressings / 2 years   |
| <b>Press jaw fixture:</b>     | 270° rotation  |
| <b>Power supply:</b>          | RO BP 18 V / 2.0 Ah Li-Ion battery<br>RO BP 18 V / 4.0 Ah Li-Ion battery               |
| <b>Operating temperature:</b> | -10 °C up to 60 °C   |
| <b>Pressings:</b>             | Approx. 130 press cycles with 2.0 Ah battery tested with SV18 stainless steel fittings |

5



When unused or during preassembly, the machine stands stably on the workbench.



The ROMAX Compact TT hanging from a ladder by the shoulder strap.



Secondary effect of the two cylinder-structure: The machine can be used with one hand.



## ROMAX Compact TT sets



## Twin Turbo: What's behind it?

## BALANCE

- The engine and the gear are located opposite the hydraulic system
- Perfectly balanced weight distribution

## SIZE

- Installing components in two cylinders reduces the size of the machine
- The two-cylinder shape saves 15% of the length

## POWER

- Every press cycle takes only 3 seconds
- The new pressure heart enables pressing of metal fittings up to Ø 35 mm

5

Twin Turbo for high volume pressing



Twin Turbo for domestic installations



Twin Turbo for service installations



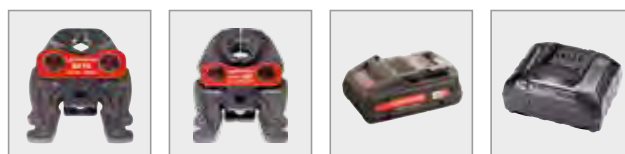
**Basic set 1 EU (No. 1000002115) includes:** ROMAX Compact TT press machine, 1x RO BP 18 V / 2.0 Ah Li-ion battery (No. 1000001652), RO BC battery charger EU (No. 1000001654), ROCASE case system 4414, without press jaws

| Model   | Press jaws Ø mm                    | kg  | No.        |
|---|------------------------------------|-----|------------|
| ROMAX Compact TT bare tool  | without press jaws/battery/charger | 4.2 | 1000002809 |
| ROMAX Compact TT basic set 1, 1x 2.0 Ah, EU                       | without press jaws                 | 4.9 | 1000002115 |
| ROMAX Compact TT basic set 1, 1x 2.0 Ah, UK                       | without press jaws                 | 4.9 | 1000002123 |
| ROMAX Compact TT basic set 2, 2x 2.0 Ah, EU                       | without press jaws                 | 5.3 | 1000002116 |
| ROMAX Compact TT press jaw set SV, 1x 2.0 Ah, EU                  | 15 - 22 - 28                       | 8.6 | 1000002117 |
| ROMAX Compact TT press jaw set M, 1x 2.0 Ah, EU                   | 15 - 22 - 28                       | 8.6 | 1000002118 |
| ROMAX Compact TT press jaw set M, 1x 2.0 Ah, UK                   | 15 - 22 - 28                       | 8.6 | 1000002124 |
| ROMAX Compact TT press jaw set TH, 1x 2.0 Ah, EU                  | 16 - 20 - 26                       | 8.8 | 1000002120 |
| ROMAX Compact TT press jaw set U, 1x 2.0 Ah, EU                   | 16 - 20 - 25                       | 8.6 | 1000002119 |
| ROMAX Compact TT interchangeable press jaw set TH, 1x 2.0 Ah, EU  | 16 - 20 - 26 - 32                  | 6.9 | 1000002113 |
| ROMAX Compact TT interchangeable press jaw set U, 1x 2.0 Ah, EU   | 16 - 20 - 25 - 32                  | 6.9 | 1000002112 |
| ROMAX Compact TT interchangeable press jaw set RFz, 1x 2.0 Ah, EU | 16 - 20 - 25 - 32                  | 6.9 | 1000002111 |
| ROMAX Compact TT interchangeable press jaw set CO, 1x 2.0 Ah, EU  | 12 - 16 - 20 - 25                  | 6.9 | 1000002114 |

## ACCESSORIES

| Model                                   | No.        |
|---|------------|
| RO BP 18V / 2.0 Ah Li-ion battery       | 1000001652 |
| RO BP 18V / 4.0 Ah Li-ion battery       | 1000001653 |
| RO BP 18V / 4.0 Ah Li-HD battery        | 1000002548 |
| RO BP 18V / 8.0 Ah Li-HD battery        | 1000002549 |
| RO BC 14/36, battery charger, EU        | 1000001654 |
| RO BC 14/36, battery charger, UK        | 1000001691 |
| ROCASE 4414 for press jaws              | 1000002242 |
| ROCASE 4414 for interchangeable inserts | 1000002307 |

Press jaws & interchangeable press jaws starting on 112



### Join the press revolution!

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.



#### Product profile

##### 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 TT  
No. 1000001751



Press jaw for  
ROMAX 4000  
No. 1000001891



Standard press ring set  
No. 1000003532



#### TECHNICAL DATA

|  |  |
|--|--|
| <b>Application:</b>                                | Air-conditioning and refrigeration   |
| <b>Connections:</b>                                | Copper to copper   |
| <b>Fitting / tube range:</b>                       | 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1.1/8"   |
| <b>O-ring:</b>                                     | HNBR   |
| <b>Max. operating pressure:</b>                    | 48 bar/4,800 kPa/700 psig  |
| <b>Leak tightness:</b>                             | Helium $\leq 7.5 \times 10^{-7}$ Pa.m <sup>3</sup> /s at +20 °C, 10 bar  |
| <b>Vacuum:</b>                                     | 200 microns  |
| <b>Operating temperature:</b>                      | -40 °C up to 140 °C  |
| <b>UL listing continues operating temperature:</b> | 121 °C   |
| <b>Compatible refrigerants:</b>                    | R32, R134a, R404A, R407C, R407F, R410A, R507, R1234ze, R1234yf, R718, R450A, R513A, R448A, R449A, R407A, R427A, R438A, R417A and R422D |

**Approved tube:** For full information, please visit [conexbanninger.com](http://conexbanninger.com)

**Approvals, standards and test compliance:** For full information, please visit [conexbanninger.com](http://conexbanninger.com)

#### 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

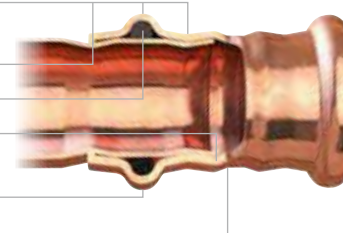
Hock

HNBR O-ring

Fitting socket

Bead

Tube stop



**Set (No. 1000002121) includes:** ROMAX Compact TT press machine, 1x RO BP 18 V/2.0Ah battery (No. 1000001652), RO BC battery charger EU (No. 1000001654), 8x press jaws (No. see below), TC 35 (No. 70027), internal/external deburrer (No. 1500000237), UNIGRAT pencil deburrer (No. 21660), ROVLIES cleaning pads (No. 45268), depth gauge (No. 1000002400), 2x RO CASE 4414 case system

| Model   | Press jaws Ø inch                              | kg   | No.        |
|---|--|------|------------|
| ROMAX Compact TT + press jaw compact set 1/4"-1.1/8" + hand tools, EU | 1/4", 3/8", 1/2", 3/4", 5/8", 7/8", 1", 1.1/8" | 21.2 | 1000002121 |
| ROMAX Compact TT + press jaw compact set 1/4"-1.1/8" + hand tools, UK | 1/4", 3/8", 1/2", 3/4", 5/8", 7/8", 1", 1.1/8" | 21.2 | 1000002125 |
| Press jaw compact set 1/4"-1.1/8" + hand tools                        | 1/4", 3/8", 1/2", 3/4", 5/8", 7/8", 1", 1.1/8" | 14.0 | 1000001989 |
| ROMAX 4000 + press jaw standard set 1/4"-1.1/8" + hand tools, EU      | 1/4", 3/8", 1/2", 3/4", 5/8", 7/8", 1", 1.1/8" | 24.3 | 1000002945 |
| ROMAX 4000 + press jaw standard set 1/4"-1.1/8" + hand tools, UK      | 1/4", 3/8", 1/2", 3/4", 5/8", 7/8", 1", 1.1/8" | 24.3 | 1000002946 |
| Press jaw standard set 1/4"-1.1/8" + hand tools                       | 1/4", 3/8", 1/2", 3/4", 5/8", 7/8", 1", 1.1/8" | 18.1 | 1000002207 |
| Standard press ring set   | 1/4 - 1.1/8"                                   | 6.3  | 1000003532 |
| Compact press ring set  | 1/4 - 1.1/8"                                   | 5.3  | 1000003536 |
| Standard press ring set   | 1/4 - 5/8"                                     | 4.8  | 1000003625 |
| Compact Press ring set  | 1/4 - 5/8"                                     | 5.3  | 1000003624 |



## Conex Bänninger ›B‹ MaxiPro press system

### 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.



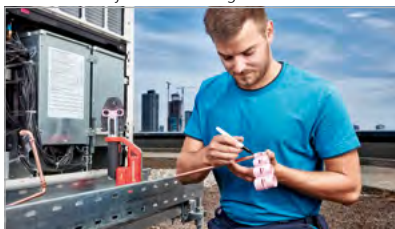
5. Check for defects.



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)

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

### ACCESSORIES

| Model                                   |    | No.        |
|---|----|------------|
| RO BP 18V / 2.0 Ah Li-Ion battery       |    | 1000001652 |
| RO BP 18V / 4.0 Ah Li-Ion battery       |    | 1000001653 |
| RO BP 18V / 4.0 Ah Li-HD battery        |    | 1000002548 |
| RO BP 18V / 8.0 Ah Li-HD battery        |    | 1000002549 |
| RO BC 14/36, battery charger, EU        |    | 1000001654 |
| RO BC 14/36, battery charger, UK        |    | 1000001691 |
| ROCASE 4414 case system                 |    | 1000001786 |
| for compact press jaws                  |    |            |
| ROCASE 4414 case system                 |    | 1000001898 |
| for standard press jaws                 |    |            |
| TUBE CUTTER 35 DURAMAG                  | 4  | 70027      |
| Internal / external deburrer Ø 6–35 mm  |    | 1500000237 |
| UNIGRAT pencil deburrer                 | 10 | 21660      |
| with HSS deburring blade                |    |            |
| ROVLIES cleaning pads (1 x 10 pads)     |    | 45268      |
| Conex Bänninger ›B‹ MaxiPro depth gauge |    | 1000002400 |



### ROMAX 4000

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



#### Product profile

##### APPLICATION AREA

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.

##### COMPATIBLE PRESSING TOOLS

- Press jaws: ROTHENBERGER press jaws standard starting on page 112 and 3-elemental standard press jaws starting on page 113
- Press chains: ROTHENBERGER press chains standard starting on page 114

##### TECHNICAL DATA

|                               |  |
|-------------------------------|--|
| <b>Dimensions:</b>            | 467 x 125 x 80 mm (w/ 4.0 Ah battery)<br>445 x 125 x 75 mm (w/ 2.0 Ah battery)                     |
| <b>Weight:</b>                | Approx. 3.6 kg (without press jaw)   |
| <b>Piston force / hub:</b>    | 32 - 34 kN / 40 mm   |
| <b>Nominal size:</b>          | Ø 12 - 110 mm  |
| <b>Service interval:</b>      | 40,000 pressings / 2 years   |
| <b>Press jaw fixture:</b>     | 270° rotation  |
| <b>Power supply:</b>          | RO BP 18 V / 2.0 Ah Li-ion battery<br>RO BP 18 V / 4.0 Ah Li-ion battery                           |
| <b>Operating temperature:</b> | -10 °C up to 60 °C   |
| <b>Pressings:</b>             | Up to 240 times (with 4.0 Ah battery)<br>(with SV 18 copper) Up to 105 times (with 2.0 Ah battery) |

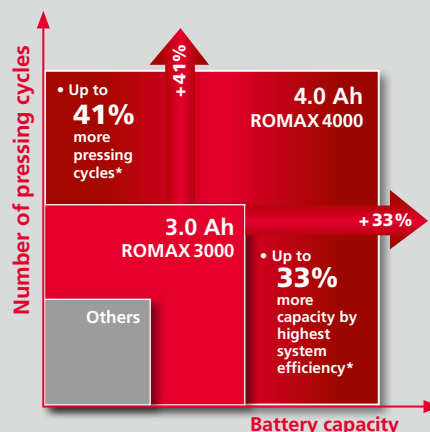
5



### Enter a new dimension of efficiency!

- Powerful 18 V / 4.0 Ah battery pack
- Up to 41% more pressing cycles\*
- Up to 33% more capacity due to enhanced system efficiency\*
- All this without a cord-maximum efficiency and on-site freedom for you!

\* Tested with SV 18 copper fittings / in comparison with ROMAX 3000



<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries

<sup>2)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)

### ROMAX 4000 sets



**66% faster charging**

In comparison to the ROMAX 3000



**Intelligent battery-management**

One battery. Several devices.  
Full flexibility!



**Charge indicator**

To control the status of charge

Ergonomic working with the ROMAX 4000



Productive working due to expanded service interval



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



**Basic set 1 EU (No. 1000001840) includes:** ROMAX 4000 Press machine, 1x RO BP 18 V / 4.0 Ah battery (No. 1000001653), RO BC battery charger EU (No. 1000001654), ROCASE case system 6414, without press jaws

| Model  | Press jaws Ø mm                    | kg   | No.               |
|--|------------------------------------|------|-------------------|
| ROMAX 4000 bare tool                             | without press jaws/battery/charger | 5.9  | <b>1000002683</b> |
| ROMAX 4000 basic set 1, 1x 4.0 Ah, EU            | without press jaws                 | 7.0  | <b>1000001840</b> |
| ROMAX 4000 basic set 1, 1x 4.0 Ah, UK            | without press jaws                 | 7.0  | <b>1000001856</b> |
| ROMAX 4000 basic set 2, 1x 4.0 Ah, 1x 2.0 Ah, EU | without press jaws                 | 8.0  | <b>1000001923</b> |
| ROMAX 4000 press jaw set SV, 1x 4.0 Ah, EU       | 15 - 22 - 28                       | 15.0 | <b>1000001924</b> |
| ROMAX 4000 press jaw set M, 1x 4.0 Ah, EU        | 15 - 22 - 28                       | 15.0 | <b>1000001927</b> |
| ROMAX 4000 press jaw set M, 1x 4.0 Ah, UK        | 15 - 22 - 28                       | 15.0 | <b>1000001932</b> |
| ROMAX 4000 press jaw set TH, 1x 4.0 Ah, EU       | 16 - 20 - 26                       | 15.0 | <b>1000001925</b> |
| ROMAX 4000 press jaw set U, 1x 4.0 Ah, EU        | 16 - 20 - 25                       | 15.0 | <b>1000001926</b> |

### ACCESSORIES

| Model                             | No.               |
|-----------------------------------|-------------------|
| RO BP 18V / 2.0 Ah Li-Ion battery | <b>1000001652</b> |
| RO BP 18V / 4.0 Ah Li-Ion battery | <b>1000001653</b> |
| RO BP 18V / 4.0 Ah Li-HD battery  | <b>1000002548</b> |
| RO BP 18V / 8.0 Ah Li-HD battery  | <b>1000002549</b> |
| RO BC14/36, battery charger, EU   | <b>1000001654</b> |
| RO BC14/36, battery charger, UK   | <b>1000001691</b> |
| ROCASE 6414, empty                | <b>1000001879</b> |

Press jaws & press chains starting on 116





# Pressing

## Press machines standard

### ROMAX 3000 AC

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



#### Product profile

##### APPLICATION AREA

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.

- 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
- Highest quality, service interval of 20,000 pressing cycles
- Expanded operating temperature from -15 °C up to 60 °C
- The compact, wand-like design allows pressings even in confined spaces

##### TECHNICAL DATA

|                               |                                      |
|-------------------------------|--------------------------------------|
| <b>Dimensions:</b>            | 460 x 120 x 90 mm                    |
| <b>Weight:</b>                | approx. 3.8 kg (without press jaw)   |
| <b>Piston force / hub:</b>    | 32 kN / 40 mm                        |
| <b>Nominal size:</b>          | Ø 12 - 110 mm <sup>2)</sup>          |
| <b>Service interval:</b>      | 20,000 pressings / 2 years           |
| <b>Press jaw fixture:</b>     | 270° rotation                        |
| <b>Power supply:</b>          | 230 V / 50-60 Hz<br>110 V on request |
| <b>Operating temperature:</b> | -15 °C up to 60 °C                   |

##### COMPATIBLE PRESSING TOOLS

|                      |  |
|----------------------|--|
| <b>Press jaws:</b>   | ROTHENBERGER standard press jaws, compatible with many other manufacturers starting page 112 |
| <b>Press chains:</b> | ROTHENBERGER standard press chains starting on page 114                                      |

#### Safety lock

No unintentional opening because a 180° rotation is necessary

#### Balanced weight distribution

Ergonomic use



#### 270° rotatable jaw fixture

For easy use in confined spaces

#### Compatible jaw fixture

Suitable for many press jaws

#### Batch production possible



#### Slim design



Set (No. 1000001001) includes: ROMAX 3000 AC, 230 Volt, ROCASE 6414, without press jaws

Model

No.

ROMAX 3000 AC basic set

**1000001001**

#### ACCESSORIES



Model

No.

ROCASE 6414 with inlay ROMAX 3000 AC

**1000001877**

Press jaws & press chains starting on 116



**ROMAX AC ECO**

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

**Product Profile****APPLICATION AREA**

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.

**KEY FEATURES**

- 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**

|                            |                                      |
|----------------------------|--------------------------------------|
| <b>Dimensions:</b>         | 415 x 180 x 80 mm                    |
| <b>Weight:</b>             | approx. 4.5 kg (without press jaw)   |
| <b>Piston force / hub:</b> | 32 kN / 40 mm                        |
| <b>Nominal size:</b>       | Ø 12 - 110 mm <sup>2)</sup>          |
| <b>Service interval:</b>   | 10,000 pressings / 2 years           |
| <b>Press jaw fixture:</b>  | 270° rotation                        |
| <b>Power supply:</b>       | 230 V / 50-60 Hz<br>110 V on request |

**COMPATIBLE PRESSING TOOLS**

|                      |   |
|----------------------|---|
| <b>Press jaws:</b>   | ROTHENBERGER standard press jaws, compatible with many other manufacturers starting on page 112 |
| <b>Press chains:</b> | ROTHENBERGER standard press chains starting on page 114   |

**270° rotatable jaw fixture**

For easy use in confined spaces

**Compatible jaw fixture**

Suitable for many press jaws

**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



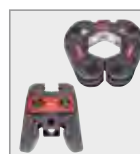
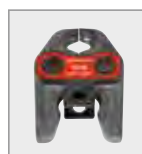
Fig. ROMAX AC ECO basic set

Set (No. 15705) includes: ROMAX AC ECO (230 Volt) ROCASE 6414 (No. 1000001959), without press jaws

| Model                         | Description                                       | Press jaws Ø mm    | kg   | No.          |
|-------------------------------|---|--------------------|------|--------------|
| ROMAX AC ECO basic set        | in ROCASE 6414                                    | without press jaws | 8.9  | <b>15705</b> |
| ROMAX AC ECO press jaw set SV | Basic set with press jaws type SV (Viega et al.)  | 15 - 22 - 28       | 13.4 | <b>15740</b> |
| ROMAX AC ECO press jaw set M  | Basic set with press jaws type M (Mapress et al.) | 15 - 22 - 28       | 13.4 | <b>15750</b> |
| ROMAX AC ECO press jaw set TH | Basic set with press jaws type TH (Henco et al.)  | 16 - 20 - 26       | 13.4 | <b>15730</b> |
| ROMAX AC ECO press jaw set U  | Basic set with press jaws type U (UNICOR et al.)  | 16 - 20 - 25       | 13.4 | <b>15760</b> |

**ACCESSORIES**

| Model                                      | No.               |
|--|-------------------|
| ROCASE 6414 with inlay ROMAX AC ECO        | <b>1000001959</b> |
| Press jaws & press chains starting on  116 |                   |



<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
RO SERVICE+ only valid in participating countries  
<sup>2)</sup> system dependent

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!

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



Partial laser-hardening for highly stressed surfaces

- Ideal accuracy of contour for highest precision during the complete live time
- 40% increase in hardness\*

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



100% extended lifetime of the press jaws among other things due to laser hardening\*

Parts which have to be flexible stay ductile

Adjustment of the plate

Durability increased by approx. 45%\*

+ 40 %  
HARDNESS  
AT HIGHLY STRESSED  
AREAS\*

+100%  
PRESS CYCLES  
WITH LASER  
HARDENING\*

ROTHENBERGER press jaws  
before surface treatment

### Press jaws compact

#### For ROMAX Compact TT

ROTHENBERGER press jaws with proven material and manufacturing quality for system dependent pressing of fittings up to Ø 40 mm (plastic / multi-layer) and/or up to Ø 28 mm (metal).

#### DURA LAZR TEC

100% more press cycles with laser hardening\*

#### 3-bolt synchronised mechanism

- Highest precision when pressing
- Synchronised run of the jaw lever
- Increased stability and durability
- Open the jaw with just 1 finger!

#### Batch numbering and individual testing

Secures the high-quality standard of material and press contour

Product identification, simple to read, clear system and nominal size classification



#### 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
- Considerable reduction of the breakage risk
- Increased safety

#### Long-term corrosion protection

Optimum for heavy-duty field operation

#### Optimised inlet contour

- Adapted power flow
- Less wear and tear



5

### Press jaws compact Ø 35 mm

#### For ROMAX Compact TT

ROTHENBERGER compact press jaws SV35 and M35 with optimized material and manufacturing quality, suitable for system conforming pressing of metal fittings of Ø 35 mm with the ROMAX Compact TT pressing machine.

#### DURA LAZR TEC

100% more press cycles with laser hardening\*

#### 3-bolt synchronised mechanism

- Highest precision when pressing
- Synchronised run of the jaw lever
- Increased stability and durability
- Open the jaw with just 1 finger!

Product identification, simple to read, clear system and nominal size classification



#### 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
- Considerable reduction of the breakage risk
- Increased safety

#### Long-term corrosion protection

Optimum for heavy-duty field operation

#### Optimised inlet contour

- Adapted power flow
- Less wear and tear



| Model                   | kg  | No.        |
|-------------------------|-----|------------|
| Press jaw compact, SV35 | 2.2 | 1000002266 |
| Press jaw compact, M35  | 2.2 | 1000002267 |

### ACCESSORIES

| Model                                     | No.        |
|---|------------|
| ROCASE 4212 with inlay compact press jaws | 1000002655 |
| Press jaw overview starting on  117       |            |



\* in comparison to previous models

# Pressing

## Press jaws compact / standard

### Interchangeable press jaw compact

For 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!



Interchangeable inserts set

**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



**Guiding ridge**

Safe admittance from interchangeable press jaws

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

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

**Long-term corrosion protection**

Optimum for heavy-duty field operation

| Model  | Inserts Ø mm   | No.   | Model                                | Inserts Ø mm | No.        |
|--|----------------|-------|--------------------------------------|--------------|------------|
| Interchangeable inserts compact set, RFz <sup>1)</sup> | 16, 20, 25, 32 | 14849 | Interchangeable press jaw compact    | w/o inserts  | 1000002134 |
| Interchangeable inserts compact set, U <sup>1)</sup>   | 16, 20, 25, 32 | 14869 | Interchangeable press jaw + set, RFz | 12, 16, 20   | 1000002135 |
| Interchangeable inserts compact set, TH <sup>1)</sup>  | 16, 20, 26, 32 | 14895 | Interchangeable press jaw + set, CO  | 12, 16, 20   | 1000002136 |

<sup>1)</sup> Can only be used with interchangeable press jaw No. 1000002134 (successor of No. 014880X)!

### Press jaws standard

For ROMAX 4000, ROMAX 3000 AC and ROMAX AC ECO

ROTHENBERGER press jaws with proven material and manufacturing quality, for system conforming pressing of fittings up to Ø 40 mm (plastic / multi-layer) and/or up to Ø 54 mm (metal).

**DURA LAZR TEC**

100% more press cycles with laser hardening\*

**3-bolt synchronised mechanism**

- Highest precision when pressing
- Synchronised run of the jaw lever
- Increased stability and durability
- Open the jaw with just one finger!

**Batch numbering and individual testing**

Secures the high quality standard of material and press contour

Product identification, simple to read, clear system and nominal size classification



**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
- Considerable reduction of the breakage risk
- Increased safety

**Long-term corrosion protection**

Optimum for heavy-duty field operation

**Optimised inlet contour**

- Adapted power flow
- Less wear and tear



Press jaw overview starting on 117

\* in comparison to previous models



## Press jaws standard 3-elemental

For ROMAX 4000, ROMAX 3000 AC and ROMAX AC ECO

ROTHENBERGER 3-elemental press jaws with proven material and manufacturing quality, for system dependent pressing of M42/M54 fittings and TH50/TH63 fittings.

### DURA LAZR TEC

100% more press cycles with laser hardening\*

### 3-bolt synchronised mechanism

- Highest precision when pressing
- Synchronised run of the jaw lever
- Increased stability and durability
- Open the jaw with just 1 finger!

### 3-elemental system

- Easy handling / assembling
- Optimized power distribution



Made of forged, highly resilient special steel

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

### Precision-manufactured contours

For optimum and reliable pressings

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



| Model                                | kg  | No.        | Model                                 | kg  | No.        |
|--------------------------------------|-----|------------|---------------------------------------|-----|------------|
| Press jaws standard 3-elemental, M42 | 4.8 | 1000001273 | Press jaws standard 3-elemental, TH50 | 4.8 | 1000001810 |
| Press jaws standard 3-elemental, M54 | 4.8 | 1000001274 | Press jaws standard 3-elemental, TH63 | 4.8 | 1000001811 |

## Press jaws standard sets

ROTHENBERGER press jaws up to Ø 54 mm in the stable ROCASE case system

### Effective

Enough space for up to 7 press jaws in the ROCASE 4414 up to Ø 63 mm

### Effective

Enough space for up to 4 press jaws in the ROCASE 4212 up to Ø 32 mm

### Variable

Enough space for all standard and compact press jaws in the ROCASE 4414 up to Ø 63 mm



### ROCASE case system

Stack, click, transport



| Model                                     | Press jaws Ø mm   | kg   | No.        |
|---|-------------------|------|------------|
| Press jaw standard set, SV                | 15 - 22 - 28      | 6.8  | 1000002068 |
| Press jaw standard set, SV                | 15 - 18 - 22 - 28 | 8.7  | 015060X    |
| Press jaw standard set, SV                | 42 - 54           | 10.5 | 015080X    |
| Press jaw standard set, M                 | 15 - 22 - 28      | 6.7  | 1000002067 |
| Press jaw standard set, M                 | 15 - 18 - 22 - 28 | 8.6  | 015062X    |
| Press jaw standard set 3-elemental, M     | 42 - 54           | 12.0 | 1000001502 |
| Press jaw standard set, TH                | 16 - 20 - 26      | 8.7  | 015063X    |
| Press jaw standard set, U                 | 16 - 20 - 25      | 7.3  | 1000002069 |
| Press jaw standard set, G                 | 16 - 20 - 26 - 32 | 8.8  | 015068X    |
| Press jaw standard set, BE                | 16 - 20 - 26      | 8.7  | 1000002065 |
| ROCASE 4414 with inlay up to 7 press jaws |                   | 1.5  | 1000001807 |
| ROCASE 4212 with inlay up to 4 press jaws |                   | 1.6  | 1000001808 |



### Press chains standard

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

Suitable for press machines with a constant, axial pressing force of 32 - 34 kN and the appropriate compatible press jaw fixture. For the system conforming pressing of fittings from Ø 42 mm up to Ø 54 mm (metal) and/or from Ø 40 mm up to Ø 110 mm (multi-layer).

#### DURA LAZR TEC

100% more press cycles with laser hardening\*

#### 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

#### Precision-manufactured contours

For optimum and reliable pressings

#### Clamping technology

Self-clamping press chain

#### 3 segments

- For an optimum force distribution on the fitting
- 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



Fig. press chain SV54

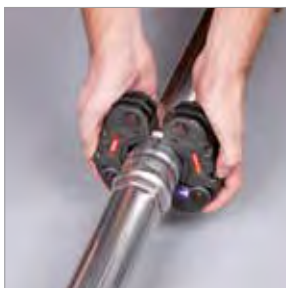


Fig. intermediate jaw ZBS1

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




Closing the press chain













Gripping the press chain with intermediate jaws



**Press chain sets include:** Press chains according to the table, intermediate jaw ZBS1 (No.1000001126), ROCASE case system 4212 (No.1000001960)

| Model  | Press chains Ø mm                          |  | No.               |
|--|--|---|-------------------|
| Press chain set, SV with intermediate jaw ZBS1 | 42-54                                      | 7.3   | <b>1000001501</b> |
| Press chain set, M with intermediate jaw ZBS1  | 42-54                                      | 7.3   | <b>1000001500</b> |
| Intermediate press jaw ZBS1                    | For press chains SV, M and U up to Ø 54 mm | 2.1   | <b>1000001126</b> |
| Press chain standard, M                        | 42 for ZBS1                                | 1.3   | <b>1000001391</b> |
| Press chain standard, M                        | 54 for ZBS1                                | 1.5   | <b>1000001392</b> |
| Press chain standard, SV                       | 42 for ZBS1                                | 1.3   | <b>1000001393</b> |
| Press chain standard, SV                       | 54 for ZBS1                                | 1.5   | <b>1000001394</b> |











## Overview press jaws

| System  | Nominal size            |  Press jaws compact |  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 intermediate jaw ZBS1 (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   | —  |
|   | A1 1/4"                 | —  | —  | 015225X   | —  |
|   | A1 1/2"                 | —  | —  | 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   |
|   | M54                     | —  | —  | 1000001274  | 1000001392   |
|   | M54                     | —  | —  | 1000001274  | 1000001392   |
| <b>V/SV</b>   | V/SV12                  | 015261X  | —  | 015211X   | —  |
|    | V/SV14                  | 015269X  | —  | 015219X   | —  |
|   | V/SV15                  | 015262X  | —  | 015212X   | —  |
|   | V/SV16                  | 015260X  | —  | 015220X   | —  |
|   | V/SV18                  | 015263X  | —  | 015213X   | —  |
|   | V/SV22                  | 015264X  | —  | 015214X   | —  |
|   | V/SV28                  | 015265X  | —  | 015215X   | —  |
|   | V/SV35                  | 1000002266   | —  | 015216X   | —  |
|   | V/SV42                  | —  | —  | 015217X   | 1000001393   |
|   | V/SV54                  | —  | —  | 015218X   | 1000001394   |
|   | 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  | 14843  | 015322X   | —  |
|   | TH18                    | 015398X  | 14844  | 015323X   | —  |
|   | TH20                    | 015389X  | 14845  | 015324X   | —  |
|   | TH25                    | 015399X  | 14846  | 015325X   | —  |
|   | TH26                    | 015391X  | 14847  | 015326X   | —  |
|   | TH32                    | 015393X  | 14848  | 015327X   | —  |
|   | TH40                    | 015401X  | —  | 015328X   | —  |
|   | TH50                    | —  | —  | 1000001810  | —  |
|   | TH63                    | —  | —  | 1000001811  | —  |
|   | TH63                    | —  | —  | 1000001811  | —  |
| <b>THG</b>  | THG32                   | 1000000236   | —  | 1000000235  | —  |
| <b>THT</b>  | THT32                   | 015393H  | —  | 015329X   | —  |

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# Pressing

## Overview press jaws / Pressnavigator app

| System  | Nominal size |  Press jaws compact |  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 intermediate jaw ZB51 (No. 1000001126) for SV, M, TH Ø 40, 42, 50, 63 mm |
|---|--------------|--|--|---|--|
| <b>U</b>  |              |  | <b>PEX / Multi-layer</b>   |   |  |
|    | U14          | 015351X  | 14832  | 015311X   | —  |
|   | U16          | 015352X  | 14833  | 015312X   | —  |
|   | U18          | 015353X  | 14834  | 015313X   | —  |
|   | U20          | 015354X  | 14835  | 015314X   | —  |
|   | U25          | 015355X  | 14836  | 015315X   | —  |
|   | U32          | 015357X  | 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   | —  |

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## Pressnavigator app

Pressnavigator for easy verification of the compatibility of press tool and fitting system

Which press tool is suitable for which fitting system? The ROTHENBERGER Pressnavigator offers convenient assistance: with just a few clicks, the compatibility between our press tools and the established fitting system can be checked. The app is available in German or English.



App for smartphone & tablet  
FOR EASY VERIFICATION OF THE  
COMPATABILITY OF PRESS TOOLS  
AVAILABLE FOR iOS & Android!













iTunes

Google Play
















## Overview system approvals

|              |    | Nominal size | Press jaws compact | Press jaws standard | Interchangeable insert compact<br>Use only in combination with interchangeable jaws (No. 1000002134) | Anpro EN series stainless steel, carbon steel | APE Raccordi a pressare | Bampi BALPEX (Serie MP) | Bampi BALPEX Gas | Blansol Sistema EasyPress | Blansol Sistema Multiplex | Bonomi Group Turbo Press, Turbo Press Gas | Broen Ballofix Press | Chibro Adduzione / Gas, Como Galvanized | Chibro Cunipress, Riscaldamento | CIMBERIO SpA Cimpres | CO.E.S. Coesklina | COMAP, Skin Press | Comisa Multi layer pipe | Conex Bänninger | Conex Press Gas, Solar | Conex Bänninger | Conex Press, Inox | DALPEX LaserMulti | DalpeX | Emmeti Gerpex | EMPUR PEXPRESS | Eurotherm, MULTIST-RATO, Euro 2000 |
|--------------|---|--------------|--------------------|---------------------|--|---|-------------------------|-------------------------|------------------|---------------------------|---------------------------|---|----------------------|---|---------------------------------|----------------------|-------------------|-------------------|-------------------------|-----------------|------------------------|-----------------|-------------------|-------------------|--------|---------------|----------------|------------------------------------|
| <b>M</b>     |    | M12          | 015151X            | 015101X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | M15          | 015152X            | 015102X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | M18          | 015153X            | 015103X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | M22          | 015154X            | 015104X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | M28          | 015155X            | 015105X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | M35          | 1000002267         | 015106X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV12         |                    | 1000001273          |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV12         |                    | 1000001274          |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <b>V/SV</b>  |    | V12          | 015261X            | 015211X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV14         | 015269X            | 015219X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV15         | 015262X            | 015212X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV16         | 015260X            | 015220X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV18         | 015263X            | 015213X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV22         | 015264X            | 015214X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV28         | 015265X            | 015215X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV35         | 1000002266         | 015216X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV42         |                    | 015217X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | SV54         |                    | 015218X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <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             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <b>R (H)</b> |  | R12          |                    | 015339X             | 14863  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | R14          | 015370X            | 015330X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | R16          | 015371X            | 015331X             | 14865  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | R17          | 015378X            | 015333X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | R18          | 015379X            | 015334X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | R20          | 015374X            | 015335X             | 14868  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | R25          | 015380X            | 015338X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | R26          | 015376X            | 015336X             | 14708  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | R32          | 015377X            | 015337X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <b>RFz</b>   |  | RFz12        |                    | 1000000173          | 14822  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | RFz16        | 015180X            | 015161X             | 14823  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | RFz20        | 015181X            | 015162X             | 14824  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | RFz25        | 015182X            | 015163X             | 14825  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | RFz32        | 015183X            | 015164X             | 14826  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <b>TH</b>    |  | TH14         | 015395X            | 015321X             | 14842  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | TH16         | 015385X            | 015322X             | 14843  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | TH18         | 015398X            | 015323X             | 14844  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | TH20         | 015389X            | 015324X             | 14845  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | TH25         | 015399X            | 015325X             | 14846  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | TH26         | 015391X            | 015326X             | 14847  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | TH32         | 015393X            | 015327X             | 14848  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | TH40         | 015401X            | 015328X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <b>THG</b>   |   | THG32        | 1000000236         | 1000000235          |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <b>THT</b>   |   | THT32        | 015393H            | 015329X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <b>U</b>     |  | U14          | 015351X            | 015311X             | 14832  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | U16          | 015352X            | 015312X             | 14833  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | U18          | 015353X            | 015313X             | 14834  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | U20          | 015354X            | 015314X             | 14835  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | U25          | 015355X            | 015315X             | 14836  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | U32          | 015357X            | 015317X             | 14838  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | U40          | 015358X            | 015318X             |  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <b>RC</b>    |   | RC26         | 015277X            | 015271X             | 14837  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
| <b>VP</b>    |  | VP14         | 015530X            | 015230X             | 14882  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | VP16         | 015531X            | 015231X             | 14883  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | VP20         | 015532X            | 015232X             | 14884  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | VP25         | 015533X            | 015233X             | 14885  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |
|              |   | VP32         | 015534X            | 015234X             | 14886  |   |                         |                         |                  |                           |                           |   |                      |   |                                 |                      |                   |                   |                         |                 |                        |                 |                   |                   |        |               |                |                                    |

The above release table reflects the status quo at the time this catalogue went to press, which may be subject to technical changes. For latest compatibility information, please check out the ROTHENBERGER Pressnavigator app for your smartphone.











## Overview system approvals

|    | Nominal size | Press jaws compact | Press jaws standard | Interchangeable insert compact<br>Use only in combination with interchangeable jaws (No. 1000002134) |  | Eurotubi Pressfitting System | F.B.Q. BARONIO, BQ pres | Frabo Frabopress C Steel, 316 | Frabo MULTI-BRASS | FRÄNKISCHE, ALPEX F50 | Gabo, Gabopress H+5 | GAROS | Geberit Mapress Gas | Geberit Mapress Stainless | Geberit Mapress Copper Carbon steel | Geberit Mepla | Giacomini Giacomflex, Goaco Therm | HAKA, Fimisol, HAKAPRES, HAKA, GERODUR | Harden 2000, Polypex 2000 | Henco PVDF | Herz pipefix | HIDROTEC KLIMATEC | Hitec Sistema, Multis-trato | IBP, Bt Press Rotguss, Inox |
|---|--------------|--------------------|---------------------|--|---|------------------------------|-------------------------|-------------------------------|-------------------|-----------------------|---------------------|-------|---------------------|---------------------------|-------------------------------------|---------------|-----------------------------------|--|---------------------------|------------|--------------|-------------------|-----------------------------|-----------------------------|
|   |              |                    |                     |  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|    | M            | M12                | 015151X             | 015101X  |   |                              |                         |                               |                   |                       |                     |       | •                   | •                         | •                                   |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | M15                | 015152X             | 015102X  |   | •                            |                         |                               |                   |                       |                     |       | •                   | •                         | •                                   |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | M18                | 015153X             | 015103X  |   | •                            |                         |                               |                   |                       |                     |       | •                   | •                         | •                                   |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | M22                | 015154X             | 015104X  |   | •                            |                         |                               |                   |                       |                     |       | •                   | •                         | •                                   |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | M28                | 015155X             | 015105X  |   | •                            |                         |                               |                   |                       |                     |       | •                   | •                         | •                                   |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | M35                | 1000002267          | 015106X  |   | •                            |                         |                               |                   |                       |                     |       | •                   | •                         | •                                   |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | M42                |                     | 1000001273   |   |                              |                         |                               |                   |                       |                     |       | •                   | •                         | •                                   |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | M54                |                     | 1000001274   |   |                              |                         |                               |                   |                       |                     |       | •                   | •                         | •                                   |               |                                   |  |                           |            |              |                   |                             |                             |
|    | V/SV         | V12                | 015261X             | 015211X  |   |                              |                         | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | SV14               | 015269X             | 015219X  |   |                              | •                       | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | SV15               | 015262X             | 015212X  |   |                              | •                       | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             | •                           |
|   |              | SV16               | 015260X             | 015220X  |   |                              | •                       | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             | •                           |
|   |              | SV18               | 015263X             | 015213X  |   |                              | •                       | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             | •                           |
|   |              | SV22               | 015264X             | 015214X  |   |                              | •                       | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             | •                           |
|   |              | SV28               | 015265X             | 015215X  |   |                              | •                       | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             | •                           |
|   |              | SV35               | 1000002266          | 015216X  |   |                              | •                       | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             | •                           |
|   |              | SV42               |                     | 015217X  |   |                              | •                       | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             | •                           |
|   |              | SV54               |                     | 015218X  |   |                              | •                       | •                             |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             | •                           |
|    | G            | G16                | 015362X             | 015302X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     | •             |                                   |  |                           |            |              |                   |                             |                             |
|   |              | G20                | 015364X             | 015304X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     | •             |                                   |  |                           |            |              |                   |                             |                             |
|   |              | G26                | 015366X             | 015306X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     | •             |                                   |  |                           |            |              |                   |                             |                             |
|   |              | G32                | 015367X             | 015307X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     | •             |                                   |  |                           |            |              |                   |                             |                             |
|   |              | G40                | 015368X             | 015308X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     | •             |                                   |  |                           |            |              |                   |                             |                             |
|  | HA           | HA16               | 015580X             | 015280X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | HA20               | 015581X             | 015281X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | HA26               | 015582X             | 015282X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | HA32               | 015583X             | 015283X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | HA40               |                     | 015284X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|  | R (H)        | R12                |                     | 015339X  | 14863   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | R14                | 015370X             | 015330X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   | •                                      |                           |            |              |                   |                             |                             |
|   |              | R16                | 015371X             | 015331X  | 14865   |                              |                         |                               |                   | •                     |                     |       |                     |                           |                                     |               |                                   | •                                      |                           |            |              |                   |                             |                             |
|   |              | R17                | 015378X             | 015333X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   | •                                      |                           |            |              |                   |                             |                             |
|   |              | R18                | 015379X             | 015334X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   | •                                      |                           |            |              |                   |                             |                             |
|   |              | R20                | 015374X             | 015335X  | 14868   |                              |                         |                               |                   | •                     |                     |       |                     |                           |                                     |               |                                   | •                                      |                           |            |              |                   |                             |                             |
|   |              | R25                | 015380X             | 015338X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   | •                                      |                           |            |              |                   |                             |                             |
|   |              | R26                | 015376X             | 015336X  | 14708   |                              |                         |                               |                   | •                     |                     |       |                     |                           |                                     |               |                                   | •                                      |                           |            |              |                   |                             |                             |
|   |              | R32                | 015377X             | 015337X  |   |                              |                         |                               |                   | •                     |                     |       |                     |                           |                                     |               |                                   | •                                      |                           |            |              |                   |                             |                             |
|  | RFz          | RFz12              |                     | 1000000173   | 14822   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | RFz16              | 015180X             | 015161X  | 14823   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | RFz20              | 015181X             | 015162X  | 14824   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | RFz25              | 015182X             | 015163X  | 14825   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | RFz32              | 015183X             | 015164X  | 14826   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|  | TH           | TH14               | 015395X             | 015321X  | 14842   |                              |                         |                               | •                 |                       | •                   | •     |                     |                           |                                     |               | •                                 |  | •                         | •          | •            |                   | •                           |                             |
|   |              | TH16               | 015385X             | 015322X  | 14843   |                              |                         |                               |                   | •                     | •                   | •     |                     |                           |                                     |               | •                                 |  | •                         | •          | •            |                   | •                           |                             |
|   |              | TH18               | 015398X             | 015323X  | 14844   |                              |                         |                               |                   |                       | •                   | •     |                     |                           |                                     |               | •                                 |  | •                         | •          | •            |                   | •                           |                             |
|   |              | TH20               | 015389X             | 015324X  | 14845   |                              |                         |                               | •                 | •                     | •                   | •     |                     |                           |                                     |               | •                                 |  | •                         | •          | •            |                   | •                           |                             |
|   |              | TH25               | 015399X             | 015325X  | 14846   |                              |                         |                               |                   |                       | •                   | •     |                     |                           |                                     |               | •                                 |  | •                         | •          | •            |                   | •                           |                             |
|   |              | TH26               | 015391X             | 015326X  | 14847   |                              |                         |                               | •                 | •                     | •                   | •     |                     |                           |                                     |               | •                                 |  | •                         | •          | •            |                   | •                           |                             |
|   |              | TH32               | 015393X             | 015327X  | 14848   |                              |                         |                               | •                 | •                     | •                   | •     |                     |                           |                                     |               | •                                 |  | •                         | •          | •            |                   | •                           |                             |
|   |              | TH40               | 015401X             | 015328X  |   |                              |                         |                               |                   |                       | •                   |       |                     |                           |                                     |               |                                   |  |                           | •          |              |                   |                             |                             |
| THG32   | 1000000236   | 1000000235         |                     |  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               | •                                 |  |                           |            |              |                   |                             |                             |
| THT   | 015393H      | 015329X            |                     |  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   | •                                      |                           |            |              |                   |                             |                             |
|  | U            | U14                | 015351X             | 015311X  | 14832   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | U16                | 015352X             | 015312X  | 14833   |                              |                         |                               | •                 | •                     |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   | •                           |                             |
|   |              | U18                | 015353X             | 015313X  | 14834   |                              |                         |                               | •                 | •                     |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              | •                 | •                           |                             |
|   |              | U20                | 015354X             | 015314X  | 14835   |                              |                         |                               | •                 | •                     |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              | •                 | •                           |                             |
|   |              | U25                | 015355X             | 015315X  | 14836   |                              |                         |                               | •                 | •                     |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              | •                 | •                           |                             |
|   |              | U32                | 015357X             | 015317X  | 14838   |                              |                         |                               | •                 | •                     |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              | •                 | •                           |                             |
|   |              | U40                | 015358X             | 015318X  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              | •                 | •                           |                             |
|   |              |                    |                     |  |   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|  | RC           | RC26               | 015277X             | 015271X  | 14837   |                              |                         |                               | •                 |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   | VP           | VP14               | 015530X             | 015230X  | 14882   |                              |                         |                               |                   |                       |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | VP16               | 015531X             | 015231X  | 14883   |                              |                         |                               |                   | •                     |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | VP20               | 015532X             | 015232X  | 14884   |                              |                         |                               |                   | •                     |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | VP25               | 015533X             | 015233X  | 14885   |                              |                         |                               |                   | •                     |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |
|   |              | VP32               | 015534X             | 015234X  | 14886   |                              |                         |                               |                   | •                     |                     |       |                     |                           |                                     |               |                                   |  |                           |            |              |                   |                             |                             |

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**ROTHENBERGER**

|   |  | Nominal size | Press jaws compact | Press jaws standard | Interchangeable insert compact<br>Only in combination with interchangeable jaws (No. 1000002134) | PIPELIFE RADOPRESS | POLYSAN Press-System | Prandelli, MULTYRAMA | Raccorderie Metallique Inoxpress, Steelpress | Raccorderie Metallique Aespres | Raccorderie Metallique, Inoxpress Gas | RIQUIERA A SERTIR | ROTH SISTEMA ROTHAPRESS | Roth-Roth Rohrinstallationsysteme | Roth Alu-Laserplus | Santha 3fit-PRESS SYSTEM 14 mm - 63 mm | SANHA NiroSan Serie 9000, 17000 Gas, 18000, 19000 | SANHA Press Serie 10000, 11000 Gas, 12000, 13000 | SANHA PURAPRESS Serie 8000 | SANHA-NiroSan-Presssystem Chronimo | Simplex SiRoCon Cu / E | Simplex SiRoCon PPSU H | Simplex SiRoCon PPSU TH | SST-Rolltec Delphi-Press, STS Systemtechnik | THERMOVAL | THERMOSMART | Tiemme, Cobrapress |
|---|---|--------------|--------------------|---------------------|--|--------------------|----------------------|----------------------|--|--------------------------------|---------------------------------------|-------------------|-------------------------|-----------------------------------|--------------------|--|---|--|----------------------------|------------------------------------|------------------------|------------------------|-------------------------|---|-----------|-------------|--------------------|
|    | <b>M</b>  | M12          | 015151X            | 015101X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | M15          | 015152X            | 015102X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | M18          | 015153X            | 015103X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | M22          | 015154X            | 015104X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | M28          | 015155X            | 015105X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | M35          | 1000002267         | 015106X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | M42          |                    | 1000001273          |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | M54          |                    | 1000001274          |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|    | <b>V/SV</b>   | V12          | 015261X            | 015211X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | SV14         | 015269X            | 015219X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | SV15         | 015262X            | 015212X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | SV16         | 015260X            | 015220X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | SV18         | 015263X            | 015213X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | SV22         | 015264X            | 015214X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | SV28         | 015265X            | 015215X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | SV35         | 1000002266         | 015216X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | SV42         |                    | 015217X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | SV54         |                    | 015218X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|    | <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             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|  | <b>R (H)</b>  | R12          |                    | 015339X             | 14863  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | R14          | 015370X            | 015330X             | 14864  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | R16          | 015371X            | 015331X             | 14865  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | R17          | 015378X            | 015333X             | 14866  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | R18          | 015379X            | 015334X             | 14867  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | R20          | 015374X            | 015335X             | 14868  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | R25          | 015380X            | 015338X             | 14707  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | R26          | 015376X            | 015336X             | 14708  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | R32          | 015377X            | 015337X             | 14709  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|  | <b>RFz</b>  | RFz12        |                    | 1000000173          | 14822  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | RFz16        | 015180X            | 015161X             | 14823  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | RFz20        | 015181X            | 015162X             | 14824  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | RFz25        | 015182X            | 015163X             | 14825  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | RFz32        | 015183X            | 015164X             | 14826  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|  | <b>TH</b>   | TH14         | 015395X            | 015321X             | 14842  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | TH16         | 015385X            | 015322X             | 14843  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | TH18         | 015398X            | 015323X             | 14844  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | TH20         | 015389X            | 015324X             | 14845  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | TH25         | 015399X            | 015325X             | 14846  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | TH26         | 015391X            | 015326X             | 14847  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | TH32         | 015393X            | 015327X             | 14848  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | TH40         | 015401X            | 015328X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
| <b>THG</b>  |   | THG32        | 1000000236         | 1000000235          |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
| <b>THT</b>  |   | THT32        | 015393H            | 015329X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|  | <b>U</b>  | U14          | 015351X            | 015311X             | 14832  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | U16          | 015352X            | 015312X             | 14833  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | U18          | 015353X            | 015313X             | 14834  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | U20          | 015354X            | 015314X             | 14835  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | U25          | 015355X            | 015315X             | 14836  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | U32          | 015357X            | 015317X             | 14838  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | U40          | 015358X            | 015318X             |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   |              |                    |                     |  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
| <b>RC</b>   |   | RC26         | 015277X            | 015271X             | 14837  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|  | <b>VP</b>   | VP14         | 015530X            | 015230X             | 14882  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | VP16         | 015531X            | 015231X             | 14883  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | VP20         | 015532X            | 015232X             | 14884  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | VP25         | 015533X            | 015233X             | 14885  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |
|   |   | VP32         | 015534X            | 015234X             | 14886  |                    |                      |                      |  |                                |                                       |                   |                         |                                   |                    |  |   |  |                            |                                    |                        |                        |                         |   |           |             |                    |

The above release table reflects the status quo at the time this catalogue went to press, which may be subject to technical changes. For latest compatibility information, please check out the ROTHENBERGER Pressnavigator app for your smartphone.



## Overview system approvals

|                    | Nominal size | Press jaws compact | Press jaws standard | Interchangeable insert compact<br>Only in combination with inter-changeable jaws (No. 100002134) | TIEMME, SERIE PA / PG | Tradesa Serie 700 | Ulrich VARIOFLEX HAKA-PRESS, UPONOR UNIPipe, UNI-CORE, Airpipe | UPONOR SPress Plus | Valsir PEXAL | Vescol, Metalplast | VIEGA PROFIPRESS G | Viega Profipress Sanpress, Sanpress INOX | Viega sanfix FOSTA, P, PLUS | Viessmann | VSH X-Press Carbon Stainless, Copper | VSH SudoPress Carbon Stainless, Copper | VSH Skin Press | VSH Skin Press PPSU, Skin Press Gas | Watts MTR Art press | Wavin Aquatecnic Tigris | Wavin FUTURE 1/2, TIGRIS Alupec / Blue | WEFA PLASTIC, WEFA PRESS | Winkler | WKS-Press |
|---|--------------|--------------------|---------------------|--|-----------------------|-------------------|--|--------------------|--------------|--------------------|--------------------|--|-----------------------------|-----------|--------------------------------------|--|----------------|-------------------------------------|---------------------|-------------------------|--|--------------------------|---------|-----------|
| <b>M</b><br>       | M12          | 015151X            | 015101X             |  | ●                     |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          |         |           |
|   | M15          | 015152X            | 015102X             |  | ●                     |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          |         |           |
|   | M18          | 015153X            | 015103X             |  | ●                     |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          |         |           |
|   | M22          | 015154X            | 015104X             |  | ●                     |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          |         |           |
|   | M28          | 015155X            | 015105X             |  | ●                     |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          |         |           |
|   | M35          | 1000002267         | 015106X             |  | ●                     |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          |         |           |
|   | M42          |                    | 1000001273          |  |                       |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          |         |           |
| M54   |              | 1000001274         |                     |  |                       |                   |  |                    |              |                    |                    |  |                             | ●         |                                      |  |                |                                     |                     |                         |  |                          |         |           |
| <b>V/SV</b><br>    | V12          | 015261X            | 015211X             |  |                       |                   |  |                    |              |                    | ●                  | ●  |                             |           |                                      | ●                                      |                |                                     |                     |                         |  |                          |         |           |
|   | SV14         | 015269X            | 015219X             |  |                       |                   |  |                    |              |                    | ●                  | ●  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | SV15         | 015262X            | 015212X             |  |                       |                   |  |                    |              |                    | ●                  | ●  |                             |           |                                      | ●                                      |                |                                     |                     |                         |  |                          |         |           |
|   | SV16         | 015260X            | 015220X             |  |                       |                   |  |                    |              |                    | ●                  | ●  |                             |           |                                      |  | ●              |                                     |                     |                         |  |                          |         |           |
|   | SV18         | 015263X            | 015213X             |  |                       |                   |  |                    |              |                    | ●                  | ●  |                             |           |                                      | ●                                      |                |                                     |                     |                         |  |                          |         |           |
|   | SV22         | 015264X            | 015214X             |  |                       |                   |  |                    |              |                    | ●                  | ●  |                             |           |                                      | ●                                      |                |                                     |                     |                         |  |                          |         |           |
|   | SV28         | 015265X            | 015215X             |  |                       |                   |  |                    |              |                    | ●                  | ●  |                             |           |                                      | ●                                      |                |                                     |                     |                         |  |                          |         |           |
|   | SV35         | 1000002266         | 015216X             |  |                       |                   |  |                    |              |                    | ●                  | ●  |                             |           |                                      | ●                                      |                |                                     |                     |                         |  |                          |         |           |
|   | SV42         |                    | 015217X             |  |                       |                   |  |                    |              |                    | ●                  | ●  |                             |           |                                      | ●                                      |                |                                     |                     |                         |  |                          |         |           |
| SV54  |              | 015218X            |                     |  |                       |                   |  |                    |              | ●                  | ●                  |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          |         |           |
| <b>G</b><br>       | G16          | 015362X            | 015302X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | G20          | 015364X            | 015304X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | G26          | 015366X            | 015306X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | G32          | 015367X            | 015307X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | G40          | 015368X            | 015308X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
| <b>HA</b><br>    | HA16         | 015580X            | 015280X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          |         |           |
|   | HA20         | 015581X            | 015281X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                | ●                                   |                     |                         |  |                          |         |           |
|   | HA26         | 015582X            | 015282X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           | ●                                    | ●                                      |                | ●                                   |                     |                         |  |                          |         |           |
|   | HA32         | 015583X            | 015283X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      | ●                                      | ●              |                                     | ●                   |                         |  |                          |         |           |
|   | HA40         |                    | 015284X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      | ●                                      |                |                                     |                     |                         |  |                          |         |           |
| <b>R (H)</b><br> | R12          |                    | 015339X             | 14863  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | R14          | 015370X            | 015330X             | 14864  |                       |                   | ●  |                    | ●            |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | R16          | 015371X            | 015331X             | 14865  |                       |                   | ●  |                    | ●            |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  | ●                        |         |           |
|   | R17          | 015378X            | 015333X             | 14866  |                       |                   | ●  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | R18          | 015379X            | 015334X             | 14867  |                       |                   | ●  |                    | ●            |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | R20          | 015374X            | 015335X             | 14868  |                       |                   | ●  |                    | ●            |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  | ●                        |         |           |
|   | R25          | 015380X            | 015338X             | 14707  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | R26          | 015376X            | 015336X             | 14708  |                       |                   | ●  |                    | ●            |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  | ●                        |         |           |
|   | R32          | 015377X            | 015337X             | 14709  |                       |                   | ●  |                    | ●            |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  | ●                        |         |           |
| <b>RFz</b><br>   | RFz12        |                    | 1000000173          | 14822  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | RFz16        | 015180X            | 015161X             | 14823  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | RFz20        | 015181X            | 015162X             | 14824  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | RFz25        | 015182X            | 015163X             | 14825  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | RFz32        | 015183X            | 015164X             | 14826  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
| <b>TH</b><br>    | TH14         | 015395X            | 015321X             | 14842  |                       |                   |  |                    |              |                    |                    |  |                             | ●         |                                      |  | ●              |                                     |                     |                         |  |                          | ●       | ●         |
|   | TH16         | 015385X            | 015322X             | 14843  |                       | ●                 |  |                    |              |                    |                    |  |                             | ●         |                                      |  | ●              |                                     |                     |                         |  |                          | ●       | ●         |
|   | TH18         | 015398X            | 015323X             | 14844  |                       | ●                 |  |                    |              |                    |                    |  |                             |           |                                      |  | ●              | ●                                   | ●                   |                         |  |                          | ●       | ●         |
|   | TH20         | 015389X            | 015324X             | 14845  |                       | ●                 |  |                    |              |                    |                    |  |                             |           | ●                                    |  | ●              | ●                                   | ●                   |                         |  |                          | ●       | ●         |
|   | TH25         | 015399X            | 015325X             | 14846  |                       | ●                 |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | TH26         | 015391X            | 015326X             | 14847  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | TH32         | 015393X            | 015327X             | 14848  |                       | ●                 |  |                    |              |                    |                    |  |                             |           | ●                                    |  | ●              | ●                                   | ●                   |                         |  |                          | ●       | ●         |
|   | TH40         | 015401X            | 015328X             |  |                       |                   |  |                    |              |                    |                    |  |                             |           | ●                                    |  |                |                                     |                     |                         |  |                          | ●       | ●         |
| THG32   | 1000000236   | 1000000235         |                     |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
| THT32   | 015393H      | 015329X            |                     |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  | ●              |                                     |                     |                         |  |                          |         |           |
| <b>U</b><br>     | U14          | 015351X            | 015311X             | 14832  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | U16          | 015352X            | 015312X             | 14833  |                       |                   | ●  | ●                  |              | ●                  |                    |  |                             |           |                                      |  |                |                                     |                     |                         | ●                                      | ●                        |         |           |
|   | U18          | 015353X            | 015313X             | 14834  |                       |                   | ●  | ●                  |              | ●                  |                    |  |                             |           |                                      |  |                |                                     |                     |                         | ●                                      | ●                        |         |           |
|   | U20          | 015354X            | 015314X             | 14835  |                       |                   | ●  | ●                  |              | ●                  |                    |  |                             |           |                                      |  |                |                                     |                     |                         | ●                                      | ●                        |         |           |
|   | U25          | 015355X            | 015315X             | 14836  |                       |                   | ●  | ●                  |              | ●                  |                    |  |                             |           |                                      |  |                |                                     |                     |                         | ●                                      | ●                        |         |           |
|   | U32          | 015357X            | 015317X             | 14838  |                       |                   | ●  | ●                  |              | ●                  |                    |  |                             |           |                                      |  |                |                                     |                     |                         | ●                                      | ●                        |         |           |
|   | U40          | 015358X            | 015318X             |  |                       |                   | ●  | ●                  | ●            | ●                  |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
| RC26  | 015277X      | 015271X            | 14837               |  |                       |                   |  |                    |              |                    |                    |  |                             |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
| <b>VP</b><br>    | VP14         | 015530X            | 015230X             | 14882  |                       |                   |  |                    |              |                    |                    |  | ●                           |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | VP16         | 015531X            | 015231X             | 14883  |                       |                   |  |                    |              |                    |                    |  | ●                           |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | VP20         | 015532X            | 015232X             | 14884  |                       |                   |  |                    |              |                    |                    |  | ●                           |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | VP25         | 015533X            | 015233X             | 14885  |                       |                   |  |                    |              |                    |                    |  | ●                           |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   | VP32         | 015534X            | 015234X             | 14886  |                       |                   |  |                    |              |                    |                    |  | ●                           |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |
|   |              |                    |                     |  |                       |                   |  |                    |              |                    |                    |  | ●                           |           |                                      |  |                |                                     |                     |                         |  |                          |         |           |

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# Threading & grooving

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# Threading & grooving

## System overview

### Threader manual


|                                  | <b>SUPER CUT sets<br/>1/2 - 1.1/4"</b>  | <b>SUPER CUT sets<br/>3/8 - 1.1/4"</b>  | <b>SUPER CUT sets<br/>3/8 - 2"</b>  | <b>SANI KIT<br/>1/2 - 1"</b>  |
|----------------------------------|---|---|---|---|
|                                  |  |  |  |  |
| <b>Operation mode:</b>           | Handed / manual   | Handed / manual   | Handed / manual   | Handed / manual   |
| <b>Working range:</b>            | 1/2 - 1.1/4"  | 3/8 - 1.1/4"  | 3/8 - 2"  | 1/2 - 1"  |
| <b>Handle:</b>                   | 1 pc.   | 2 pcs.  | 3 pcs.  | 2 pcs.  |
| <b>Thread type:</b>              | BSPT - NPT  | BSPT - NPT  | BSPT - NPT  | BSPT - NPT  |
| <b>Number of die heads:</b>      | 4 pcs.  | Up to 5 pcs.  | Up to 7 pcs.  | 3 pcs.  |
| <b>Number of threading dies:</b> | –   | –   | –   | –   |
| <b>Power:</b>                    | –   | –   | –   | –   |
| <b>Weight:</b>                   | 5.1 kg  | 6.2 kg  | 11.4 kg   | 8.2 kg  |
| <b>Page</b>                      | <b>128 - 129</b>  | <b>128 - 129</b>  | <b>128 - 129</b>  | <b>130 - 131</b>  |

### Threader electric

|                                  | <b>SUPERTRONIC<br/>1250</b>   | <b>SUPERTRONIC<br/>2000</b>   | <b>SUPERTRONIC<br/>2000 E</b>  |
|----------------------------------|---|---|--|
|                                  |    |  |  |
|                                  |  |   |  |
| <b>Operation mode:</b>           | Handed / electric   | Handed / electric   | Handed / cordless  |
| <b>Working range:</b>            | 1/2 - 1.1/4"  | 1/2 - 2"  | 1/2 - 2"   |
| <b>Thread type:</b>              | BSPT - NPT  | BSPT - NPT  | BSPT - NPT   |
| <b>Number of die heads:</b>      | 4 pcs.  | 6 pcs.  | 6 pcs.   |
| <b>Number of threading dies:</b> | –   | –   | –  |
| <b>Power:</b>                    | 800 W   | 1,010 W   | 18 V   |
| <b>Total weight:</b>             | 12.8 kg   | 14.5 kg   | 16 kg  |
| <b>Page</b>                      | <b>132 - 133</b>  | <b>134 - 135</b>  | <b>136 - 137</b>   |






### Threader stationary

|                                  | <b>ROPOWER 50 R</b>   | <b>SUPERTRONIC 2 SE</b>   | <b>SUPERTRONIC 3 SE</b>  | <b>SUPERTRONIC 4 SE</b>   |
|----------------------------------|---|---|--|---|
|                                  |  |  |  |  |
| <b>Operation mode:</b>           | Stationary  | Stationary  | Stationary   | Stationary  |
| <b>Working range:</b>            | 1/2 - 2"  | 1/2 - 2"  | 1/2 - 3"   | 1/2 - 4"  |
| <b>Thread type:</b>              | BSPT, NPT, BSPP, BSW, metric  | BSPT, NPT, BSPP, BSW, metric  | BSPT, NPT, BSPP, BSW, metric   | BSPT, NPT, BSPP, BSW, metric  |
| <b>Number of die heads:</b>      | 1 pc.   | 1 pc.   | 2 pcs.   | 2 pcs.  |
| <b>Number of threading dies:</b> | 2 pcs.  | 2 pcs.  | 3 pcs.   | 3 pcs.  |
| <b>Power:</b>                    | 1,150 W   | 1,150 W   | 1,700 W  | 1,750 W   |
| <b>Weight:</b>                   | 88.5 kg   | 68.5 kg   | 100 kg   | 120 kg  |
| <b>Page</b>                      | <b>140 - 141</b>  | <b>142 - 143</b>  | <b>142 - 143</b>   | <b>142 - 143</b>  |

6

### Roll grooving machines

|                                   | <b>Hand roll groover 1-12"</b>  | <b>ROGROOVER 1-6"</b>  | <b>ROGROOVER 1-12"</b>  |
|-----------------------------------|---|--|---|
|                                   |  |  |  |
| <b>Operation mode:</b>            | Handed-manual / handed-electric   | Handed-electric / stationary   | Stationary  |
| <b>Working range:</b>             | 1 - 12"   | 1 - 6"   | 1 - 12"   |
| <b>Drive unit:</b>                | SUPERTRONIC 1250 / 2000   | SUPERTRONIC 2000 / 2 - 4SE   | Motor   |
| <b>Wall thickness:</b>            | Up to 10 mm   | Up to 10 mm  | Up tp 10 mm   |
| <b>Pressure rollers included:</b> | 1 pc.   | 1 pc.  | 3 pcs.  |
| <b>Power:</b>                     | 800 W / 1,010 W   | 1,010 W / max. 1,750 W   | 1,500 W   |
| <b>Transportation frame:</b>      | –   | – / –  | optional  |
| <b>Weight:</b>                    | 12.0 kg / max. 18.2 kg  | 14.5 kg / max. 134.5 kg  | 175.0 kg  |
| <b>Page</b>                       | <b>146</b>  | <b>146</b>   | <b>147</b>  |

# Threading & grooving

## Threading manual

### 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



#### Product profile

##### APPLICATION AREA

For threading of  
BSPT right: Ø 1/4 - 2"

##### KEY FEATURES

- 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 places

#### Quick adjustment

Convenient, lockable reversal of the ratchet direction

#### Made of high quality tempered steel

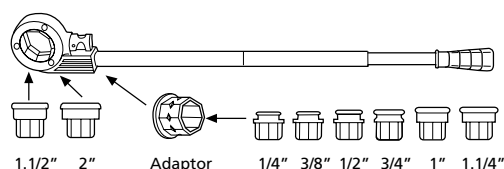
Extremely long service life

SUPER CUT when working at the building site



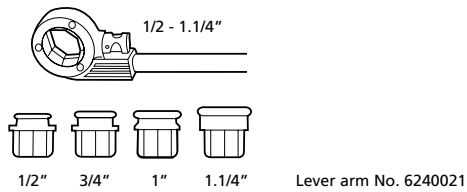
With ratchet handle 1/4" - 2" the attachment of the 1/4" - 1.1/4" die head results with the use of the adaptor (No. 600011500)

Monoblock - adaptor (No. 600011500)



### SUPER CUT sets Ø 1/2 - 1.1/4"

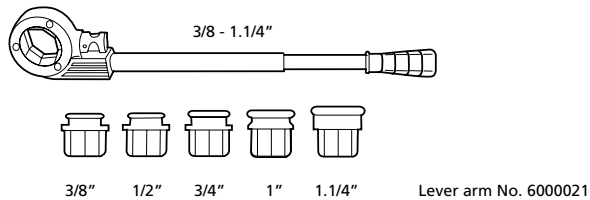
With ratchet handle (small octagonal drive, No. 070840X)  
and die heads in plastic carrying case (No. 70780)



| Model  | Description               | kg  | No.     |
|--------|---------------------------|-----|---------|
| BSPT R | 1/2" - 3/4" - 1"          | 4.2 | 070780X |
| BSPT R | 1/2" - 3/4" - 1" - 1.1/4" | 5.1 | 070781X |

### SUPER CUT sets Ø 3/8 - 1.1/4"

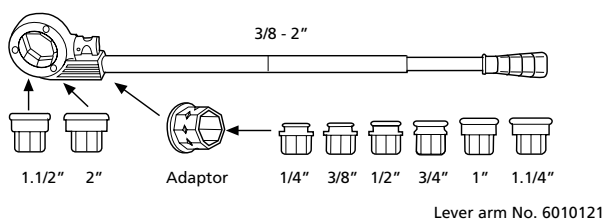
With ratchet handle (small octagonal drive, No. 070840X)  
and die heads in ROCASE 4414 (No. 1300003541)



| Model  | Description                      | kg  | No.     |
|--------|----------------------------------|-----|---------|
| BSPT R | 3/8" - 1/2" - 3/4" - 1" - 1.1/4" | 6.2 | 070790X |

### SUPER CUT sets Ø 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  | Description                                    | kg   | No.     |
|--------|--|------|---------|
| BSPT R | 3/8" - 1/2" - 3/4" - 1" - 1.1/4" - 1.1/2" - 2" | 11.4 | 070891X |
| BSPT R | 1/2" - 3/4" - 1" - 1.1/4" - 1.1/2" - 2"        | 10.8 | 070892X |

#### ACCESSORIES

| Description                    |     |
|--------------------------------|-----|
| Die heads 1/4 - 2"             | 138 |
| Dies 1/4 - 2"                  | 138 |
| Cutting fluid                  | 139 |
| Pipe roughing wrench           | 145 |
| Ratchet pipe deburrer 1/4 - 2" | 145 |



# Threading & grooving

## Threading manual

### SANI KIT

Tool set in sturdy plastic carrying case  
Ideal for repair and installation jobs requiring complete steel pipe processing



| Product profile   |                |
|---|----------------|
| APPLICATION AREA  |                |
| 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" |

| KEY FEATURES                                     |
|--|
| ● 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                              |

### 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

6





### SANI KIT

#### Tool carrying case

Ideal for repair and installation jobs requiring complete steel pipe processing



#### The ideal installation set!

SANI KIT when working at the building site with RONOL



**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             | kg  | No.   |
|-------------------|-----|-------|
| SANI KIT tool set | 8.2 | 70600 |

### SUPER CUT ratchet arm

With offset adaptor



| Direct seating for die heads | via adaptor for die heads | Handle | kg  | No.     |
|------------------------------|---------------------------|--------|-----|---------|
| 1/4" - 1.1/4"                | -                         | 2 pcs. | 1.7 | 070840X |
| 1.1/2" - 2"                  | 1/4" - 1.1/4"             | 3 pcs. | 2.5 | 71272   |



#### ACCESSORIES

| Description                    |     |
|--------------------------------|-----|
| Die heads 1/4 - 2"             | 138 |
| Dies 1/4 - 2"                  | 138 |
| Cutting fluid                  | 139 |
| Pipe roughing wrench           | 145 |
| Ratchet pipe deburrer 1/4 - 2" | 145 |



# Threading & grooving

## Threading electric

### SUPERTRONIC 1250

#### Power threader Ø 1/4 - 1.1/4"

For quick and effortless production of precise and reliable thread connections to approved standards



#### Product profile

##### APPLICATION AREA

For threading of

**BSPT right:** Ø 1/2 - 1.1/4"

**Optional (not included in set):** Ø 1/4", 3/8"

**NPT:** Ø 1/4 - 1.1/4"

##### KEY FEATURES

- 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

##### KEY FEATURES

- Die head can be used in both directions (left and right)
- Stable speed by forward and reverse motion

##### TECHNICAL DATA

|                             |                   |
|-----------------------------|-------------------|
| <b>Threading speed:</b>     | 15 - 20 rpm       |
| <b>Rapid reverse speed:</b> | 27 rpm            |
| <b>Performance:</b>         | 800 W             |
| <b>Current:</b>             | 230 / 110 V       |
| <b>Weight:</b>              | 4.9 kg            |
| <b>Dimensions:</b>          | 456 x 168 x 76 mm |

6



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 set

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




Pipe clamp

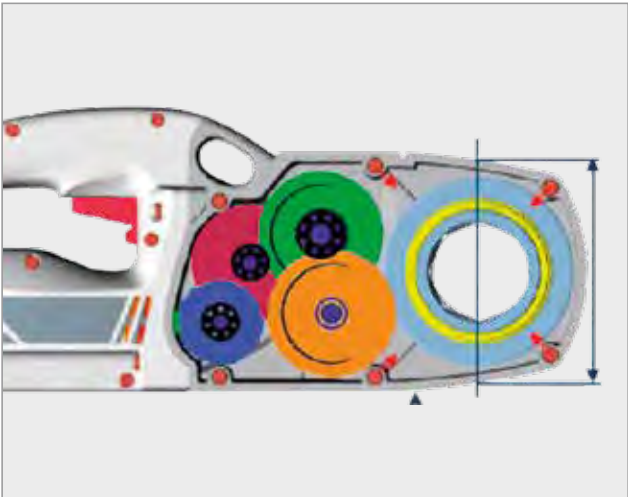
Small – Fast – Light



Fig. SUPERTRONIC 1250 set (No. 71450)

| Model                           | Description                               |  | 230 V     | 110 V     |
|---------------------------------|---|---|-----------|-----------|
| SUPERTRONIC 1250 set, NPT       | 1/2 - 3/4 - 1 - 1.1/4"                    | 13.0  | 71454     | 71453     |
| SUPERTRONIC 1250                | with forged pipe clamp, without die heads | 3.9   | 71470     |           |
| Pipe clamp for SUPERTRONIC 1250 | Up to max. 1.1/4"                         | 1.6   | 865008700 | 865008700 |


Helical gears for maximum power (800 W)



Portable, fast and easy steel pipe processing



ACCESSORIES

| Description                    |  |
|--------------------------------|---|
| Die heads 1/4 - 2"             | 138   |
| Dies 1/4 - 2"                  | 138   |
| Cutting fluid                  | 139   |
| Pipe roughing wrench           | 145   |
| Ratchet pipe deburrer 1/4 - 2" | 145   |





# Threading & grooving

## Threading electric

### SUPERTRONIC 2000

#### Power threader Ø 1/4 – 2"

For quick and effortless production of precise and reliable thread connections to approved standards



#### Product profile

##### APPLICATION AREA

For threading of

**BSPT right:** Ø 1/4 - 2"

**NPT:** Ø 1/4 - 2"

**High reduction gears with spur wheel teeth**, induction tempered, 7 parallel gear shafts, each ball bearing mounted

**High, consistent power transmission** when fully loaded

##### Performance:

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

##### Threading speed:

15 - 25 rpm, rapid reverse 60 rpm

(4 x faster reverse with reverse drive)

**Maintenance friendly** with continuous lubrication

##### KEY FEATURES

- 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

6



Easy insertion of the die heads



Use with roll grooving tool ROGROOVER



ROFIX adaptor (No. 71271)



High reduction gears





### SUPERTRONIC 2000 set

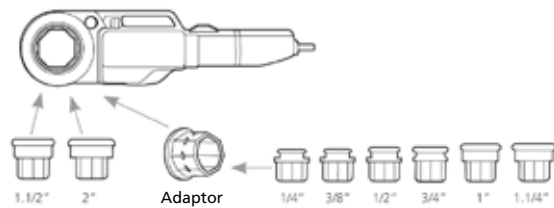
**Set includes:** SUPERTRONIC 2000 with pipe clamp (No. 71280), ROFIX adaptor (No. 71271), and precision die heads, ROCASE 6414 (No. 1000001953) with inlay



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



Pipe clamp



6

| Model                        | Description                                | kg   | 230 V      | 110 V      |
|------------------------------|--|------|------------|------------|
| SUPERTRONIC 2000 set, BSPT R | 1/2" - 3/4" - 1" - 1.1/4" - 1.1/2" - 2"    | 14.5 | 71256      | 71258      |
| SUPERTRONIC 2000 set, NPT    | 1/2" - 3/4" - 1" - 1.1/4" - 1.1/2" - 2"    | 14.5 | 71257      | 71259      |
| SUPERTRONIC 2000             | with forged pipe clamp, without die heads  | 6.8  | 71250      | 71251      |
| SUPERTRONIC 2000 set         | in ROCASE with ROFIX and forged pipe clamp | 11.2 | 1000002011 | 1000002016 |

Work in confined spaces



Die heads with the tripod universal workbench



### ACCESSORIES

| Description                    |     |
|--------------------------------|-----|
| Die heads 1/4 - 2"             | 138 |
| Dies 1/4 - 2"                  | 138 |
| Cutting fluid                  | 139 |
| Pipe roughing wrench           | 145 |
| Ratchet pipe deburrer 1/4 - 2" | 145 |



# Threading & grooving

## Threading electric

### 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



#### Product profile

##### APPLICATION AREA

For threading of

**BSPT right:** Ø 1/4 - 2"

**NPT:** Ø 1/4 - 2"

**High reduction gears with spur wheel teeth,**  
induction tempered, 7 parallel gear shafts,  
each ball bearing mounted

**Threading speed:**

15 - 25 rpm, rapid reverse 60 rpm  
(4 x faster reverse with reverse drive)

**Product dimension:** 590 x 140 x 180 mm

**Product weight:** 6.6 kg

##### KEY FEATURES

- 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 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

6

#### 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

#### 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

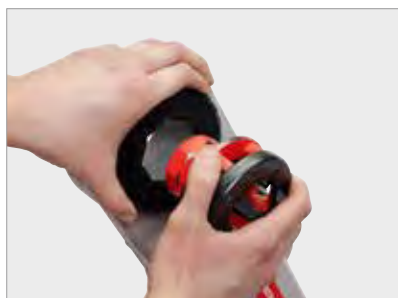
#### Powerful 18V battery

For cutting up to 8 threads (2" BSPT) with only one battery load (Li-Power 18V/4.0 Ah)

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

For working more efficiently

Easy insertion of the die head with tension locking ring



Compatible with with rolling groover ROGROOVER 1-6"



Work in confined spaces



### SUPERTRONIC 2000 E set

**Set includes:** SUPERTRONIC 2000 E basic device, pipe clamp (No. 71280), ROFIX adaptor (No. 71271), ROCASE 6414 with inlay (No. 1000001953)

**Can also be used as a drive for our roll grooving unit!**



| Description  | kg   | No.        |
|--|------|------------|
| SUPERTRONIC 2000 E basic device, with pipe clamp   | 9.8  | 1000003387 |
| SUPERTRONIC 2000 E Set, with pipe clamp, with ROFIX adaptor, without battery and without charger, with BSPT R 1/2"-3/4"-1"-1.1/4"-1.1/2"-2" die heads                  | 12.2 | 1000003388 |
| SUPERTRONIC 2000 E Set, with pipe clamp, with ROFIX adaptor, with battery Li-Power, 4.0Ah 18V and battery charger, with BSPT R 1/2"-3/4"-1"-1.1/4"-1.1/2"-2" die heads | 18.1 | 1000003389 |



No. 1000001653



No. 1000002548



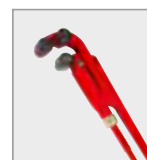
No. 1000002549

| Description                           | kg   | No.        |
|---------------------------------------|------|------------|
| RO BP18/4, 4.0Ah 18V Li-Power battery | 0.66 | 1000001653 |
| RO BP18/4, 4.0Ah 18V Li-HD battery    | 0.59 | 1000002548 |
| RO BP18/8, 8.0Ah 18V Li-HD battery    | 0.98 | 1000002549 |
| RO BC14/36 battery charger, 230 V, EU | 0.58 | 1000001654 |



### ACCESSORIES

| Description                    |     |
|--------------------------------|-----|
| Die heads 1/4 - 2"             | 138 |
| Dies 1/4 - 2"                  | 138 |
| Cutting fluid                  | 139 |
| Pipe roughing wrench           | 145 |
| Ratchet pipe deburrer 1/4 - 2" | 145 |





# Threading & grooving

## Threading electric

### Precision die heads

#### With enlarged shaving discharge chambers

For faster threading, reinforced locking plate and precise die seating. Fits in ROTHENBERGER SUPERTRONIC 1000, SUPERTRONIC 1250, SUPERTRONIC 2000 and SUPER CUT threaders

#### 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



#### Fully automatic production process

Reduced production tolerances to increase the service life by up to 10%

#### 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



### Product profile

#### KEY FEATURES

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

| BSPT R | No.     | NPT    | No.     |
|--------|---------|--------|---------|
| 1/4"   | 070821X |        |         |
| 3/8"   | 070822X | 3/8"   | 070908X |
| 1/2"   | 070823X | 1/2"   | 070912X |
| 3/4"   | 070824X | 3/4"   | 070913X |
| 1"     | 070825X | 1"     | 070914X |
| 1.1/4" | 070826X | 1.1/4" | 070915X |
| 1.1/2" | 070842X | 1.1/2" | 070849X |
| 2"     | 070843X | 2"     | 070850X |

### Threading dies

#### Precision threading dies

- Gentle first cut, extremely long life, 4 pieces / pack
- Optimum results are achieved with original ROTHENBERGER thread cutting fluid



| BSPT R | No.     | NPT    | No.     |
|--------|---------|--------|---------|
| 1/4"   | 070831X | 3/8"   | 070917X |
| 3/8"   | 070832X | 1/2"   | 070918X |
| 1/2"   | 070833X | 3/4"   | 070919X |
| 3/4"   | 070834X | 1"     | 070920X |
| 1"     | 070835X | 1.1/4" | 070921X |
| 1.1/4" | 070836X | 1.1/2" | 070945X |
| 1.1/2" | 070869X | 2"     | 070946X |
| 2"     | 070870X |        |         |

### ROFIX adaptor

Fits small external octagonal die heads from Ø 1/4 - 1.1/4"

- Easy insertion of the die head with tension ring locking



Tension ring locking



| Model                                   | kg  | No.   |
|---|-----|-------|
| ROFIX adaptor with tension ring locking | 0.8 | 71271 |



### RONOL

High-performance cutting oil

#### Product profile

##### KEY FEATURES

- 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

##### TECHNICAL DATA

###### Mineral-based oil

**For threading** of all materials including stainless steel

**Emulsifying agent** enables easy rinsing of the pipeline without unhealthy polychlorinated biphenyl (PCB)

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

| Model           | Contents | kg   |    | No.   |
|-----------------|----------|------|----|-------|
| RONOL spray can | 600 ml   | 0.58 | 12 | 65008 |
| RONOL canister  | 5 l      | 4.60 | 1  | 65010 |



6

### RONOL SYN

High-performance cutting fluid

#### Product profile

##### KEY FEATURES

- 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

##### TECHNICAL DATA

**No mineral-based oils**, purely synthetic: developed and approved for drinking water and plumbing installations. DVGW tested.

**100% water soluble**, physiologically neutral, silicone-free: easily washable

**Emulsifying agent** enables easy rinsing of the pipeline

**No build-up of shavings:** perfect cooling quality

**Good corrosion protection:** no rusting

**Undiluted application**

**High polymer, without EP-additives** such as sulphur, phosphorus or chlorine: increased cutting performance



| Model               | Contents | kg   |    | No.   |
|---------------------|----------|------|----|-------|
| RONOL SYN spray can | 600 ml   | 0.75 | 12 | 65013 |
| RONOL SYN canister  | 5 l      | 5.20 | 1  | 65015 |



# Threading & grooving

## Threading electric

### ROPOWER 50 R

#### Portable compact threader Ø 1/4 - 2"

Quick and effortless production of precise and reliable pipe and bolt threads to approved standards



#### Product profile

##### APPLICATION AREA

Use on building sites, for repairs and service, industrial use and for installation work

For threading of:

|                                       |              |
|---------------------------------------|--------------|
| <b>BSPT right, EN 10226, ISO 7-1:</b> | Ø 1/4 - 2"   |
| <b>NPT, ASME B1.20.1:</b>             | Ø 1/4 - 2"   |
| <b>BSPP, ISO 228-1, DIN 259:</b>      | Ø 1/2 - 2"   |
| <b>BSW, B. S 84:</b>                  | Ø 3/8 - 2"   |
| <b>Metric, ISO 261, DIN 13:</b>       | Ø 10 - 24 mm |

##### KEY FEATURES

- 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)

##### TECHNICAL DATA

|                                |                    |
|--------------------------------|--------------------|
| <b>Performance:</b>            | 1,150 W            |
| <b>Speed:</b>                  | 40 rpm             |
| <b>Weight:</b>                 | 68 kg              |
| <b>Dimensions (L x W x H):</b> | 535 x 430 x 340 mm |

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#### 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

Original RIDGID<sup>2)</sup> threading dies can optionally be used!



#### 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

#### 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

#### Safety foot switch (No. 56335)

Increased safety

#### Die head type R

**Automatic die head with integrated oil feed**

Long life of the die heads

**Optimal lubrication and cooling of the die heads**

Long life of the die heads



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

6

Automatic die head with integrated oil supply



High mobility



Thread roughing



Cost-effective production of grooves



| Model  | Volt  | kg   | No.          |
|--|-------|------|--------------|
| ROPOWER 50 R with automatic die head:  |       |      |              |
| BSPT R 1/2 - 3/4", 1-2"  | 230 V | 88.5 | <b>56050</b> |
| BSPT R 1/2 - 3/4", 1-2"  | 110 V | 88.5 | <b>56045</b> |
| BSPP R 1/2 - 3/4", 1-2"  | 230 V | 88.5 | <b>56057</b> |
| Collapsible stand ROPOWER 50 R   |       | 19.2 | <b>56051</b> |
| Spare cutting wheel (PANDA 40, PANDA 90, PISET 3 SG, Nr. 6 SC 2 S, 2 SE, 3 S, 3 SE, 4 S, 4 SE) |       | 0.02 | <b>70074</b> |
| Supporting bolt for transport frame (4 pcs.)   |       | 0.7  | <b>56049</b> |
| Supporting legs (4 pcs.)   |       | 5.0  | <b>56488</b> |

### ACCESSORIES

| Description          | No.                     |
|----------------------|-------------------------|
| Cutting fluid        | <b>139</b>              |
| Automatic die heads  | <b>144</b>              |
| Threading dies       | <b>144</b>              |
| NIPPEL MAX           | <b>145</b>              |
| Pipe roughing wrench | <b>145</b> <b>56500</b> |
| ROGROOVER 1-6"       | <b>146</b> <b>56505</b> |





# Threading & grooving

## Threading electric

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

#### Compact threader Ø 1/4 - 4"

Reliable and proven for constant professional use



#### Product profile

##### APPLICATION AREA

- 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:

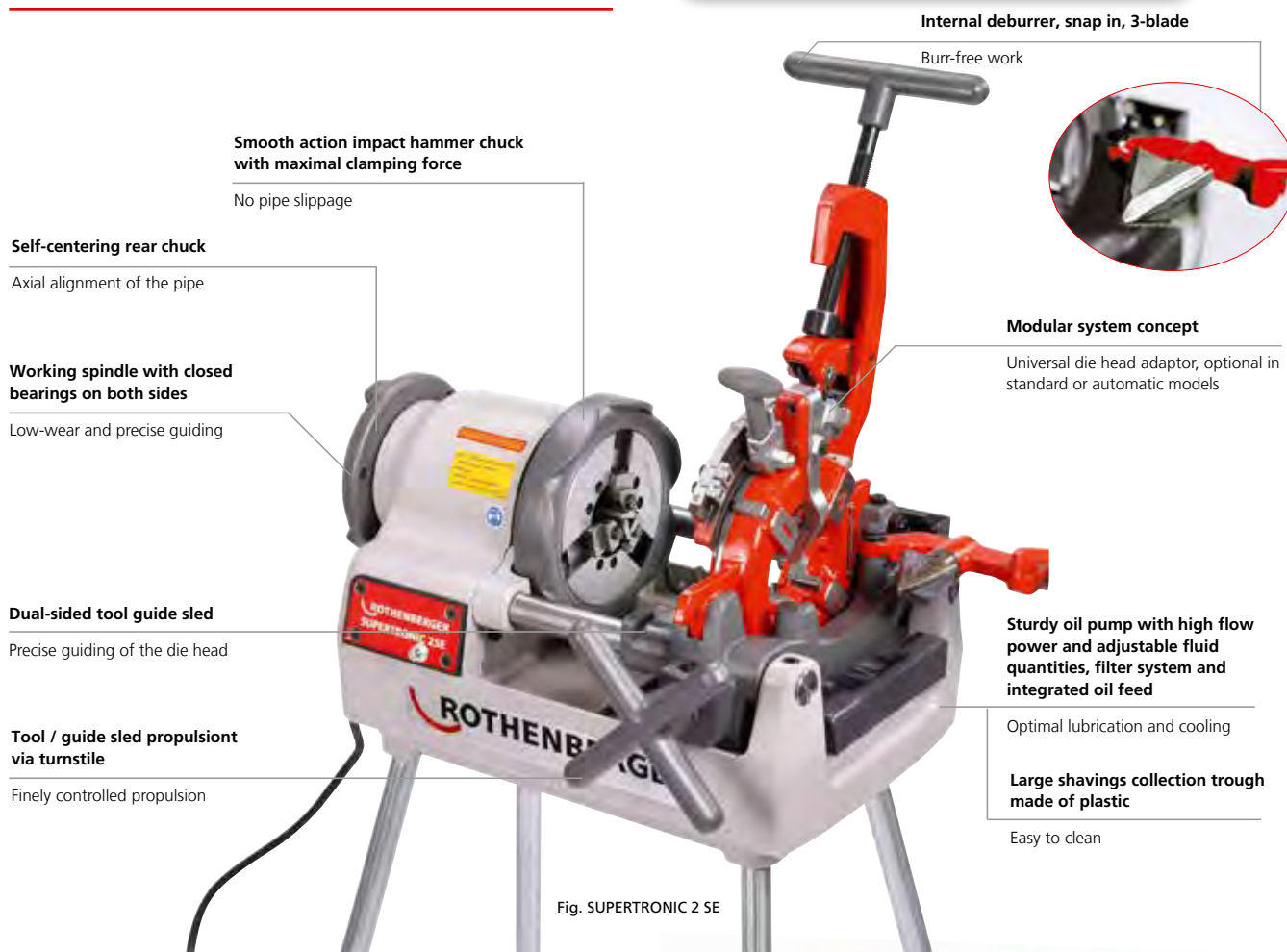
|                                       |                     |
|---------------------------------------|---------------------|
| <b>BSPT right, EN 10226, ISO 7-1:</b> | Ø 1/4 - 2"          |
| <b>NPT, ASME B1.20.1:</b>             | Ø 1/4 - 2"          |
| <b>BSPP, ISO 228-1, DIN 259:</b>      | Ø 1/2 - 2"          |
| <b>BSW, B. S 84:</b>                  | Ø 3/8 - 2"          |
| <b>Metric, ISO 261, DIN 13:</b>       | Ø 10 - 36 mm        |
|                                       | Ø 10 - 24 mm (2 SE) |

##### KEY FEATURES

- 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!**

6



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





### 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)



#### TECHNICAL DATA

|                         |                    |
|-------------------------|--------------------|
| Power:                  | 1,150 W            |
| Speed:                  | 40 rpm             |
| Weight, with die heads: | 68 kg              |
| Dimensions (L x W x H): | 535 x 430 x 340 mm |

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

| SUPERTRONIC 2 SE          | kg | 230 V        |
|---------------------------|----|--------------|
| with standard die head    | 68 | <b>56150</b> |
| BSPT R 1/2 - 3/4", 1 - 2" |    |              |
| with automatic die head   | 68 | <b>56175</b> |
| BSPT R 1/2 - 3/4", 1 - 2" |    |              |

#### SUPERTRONIC 2 SE

No.

|                                  |              |
|----------------------------------|--------------|
| Deburrer without holder for 2 SE | <b>56198</b> |
| Supporting legs (4 pcs.)         | <b>56488</b> |

### 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)



#### TECHNICAL DATA

|                         |                    |
|-------------------------|--------------------|
| Power:                  | 1,700 W            |
| Speed:                  | 33 rpm             |
| Weight, with die heads: | 100 kg             |
| Dimensions (L x W x H): | 650 x 480 x 420 mm |

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

| SUPERTRONIC 3 SE                      | kg  | 230 V        | 110 V        |
|---------------------------------------|-----|--------------|--------------|
| with standard die head                | 100 | <b>56250</b> | <b>56253</b> |
| BSPT R 1/2 - 3/4", 1 - 2", 2 - 3"     |     |              |              |
| with automatic die head               | 100 | <b>56255</b> |              |
| BSPT R 1/2 - 3/4", 1 - 2", 2.1/2 - 3" |     |              |              |

#### SUPERTRONIC 3 SE

No.

|                                  |              |
|----------------------------------|--------------|
| Deburrer without holder for 3 SE | <b>56199</b> |
|----------------------------------|--------------|

### SUPERTRONIC 4 SE

#### Compact threader Ø 1/2 - 4"

SUPERTRONIC 4 SE with automatic die head



#### TECHNICAL DATA

|                         |                    |
|-------------------------|--------------------|
| Power:                  | 1,750 W            |
| Speed:                  | 22 / 50 rpm        |
| Weight, with die heads: | 120 kg             |
| Dimensions (L x W x H): | 750 x 540 x 480 mm |

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

| SUPERTRONIC 4 SE                      | kg  | 230 V        | 110 V        |
|---------------------------------------|-----|--------------|--------------|
| with automatic die head               | 120 | <b>56465</b> | <b>56475</b> |
| BSPT R 1/2 - 3/4", 1 - 2", 2.1/2 - 4" |     |              |              |
| NPT 1/2 - 3/4", 1 - 2", 2.1/2 - 4"    |     | <b>56466</b> |              |
| Deburrer without holder for 4 SE      |     | <b>56200</b> |              |
| Transport frame for 3 and 4 SE        | 25  | <b>57050</b> |              |

Lever

Various adjustable speeds

# Threading & grooving

## Threading electric

### Precision die heads

For machine types ROPOWER 50 R, PANDA, PISET, SUPERTRONIC 2 S, 2 SE, 3 S, 3 SE, 4 S and 4 SE

#### Product profile

##### KEY FEATURES

##### 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

#### Product profile

##### KEY FEATURES

##### Automatic die heads

- Simple and clear operation with the quick-adjustment thread sizes
- Automatic adjustable thread length for serial production
- Flexible work: Each thread size offers individual fine adjustment of the thread depth without recentering dimension change

Please note: The die heads do not include threading dies!

### Overview die heads / threading dies

| Die heads   |      | Threading dies |      |                                       | ROPOWER 50 R | SUPERTRONIC 2 SE | SUPERTRONIC 3 SE | SUPERTRONIC 4 SE |
|-------------|------|----------------|------|---------------------------------------|--------------|------------------|------------------|------------------|
| Thread type | Size | No.            | Size | No. SS-steel                          |              |                  |                  |                  |
|             |      |                |      | No. HSS-steel stainl. steel/inox pipe |              |                  |                  |                  |

##### Automatic die heads suitable for RIDGID® threading dies

|        |          |       |            |         |       |   |   |   |
|--------|----------|-------|------------|---------|-------|---|---|---|
| BSPT R | 1/2 - 2" | 56052 | 1/4 - 3/8" | 56369   | 56379 | ● | ● | ● |
|        |          |       | 1/2 - 3/4" | 056370X | 56380 | ● | ● | ● |
|        |          |       | 1 - 2"     | 056371X |       | ● | ● | ● |

|     |          |       |            |       |  |   |   |   |
|-----|----------|-------|------------|-------|--|---|---|---|
| NPT | 1/2 - 2" | 56053 | 1/4 - 3/8" | 56372 |  | ● | ● | ● |
|     |          |       | 1/2 - 3/4" | 56373 |  | ● | ● | ● |
|     |          |       | 1 - 2"     | 56374 |  | ● | ● | ● |

|      |  |       |            |       |  |   |   |   |
|------|--|-------|------------|-------|--|---|---|---|
| BSPP |  | 56054 | 1/2 - 3/4" | 56058 |  | ● | ● | ● |
|      |  |       | 1 - 2"     | 56059 |  | ● | ● | ● |

##### 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 |       | ● | ● | ● |
|     |            |       | 3.1/2 - 4" |       | 56184 | ● | ● | ● |

##### ROTHENBERGER standard / manual die heads

|        |            |       |            |       |       |   |   |   |
|--------|------------|-------|------------|-------|-------|---|---|---|
| BSPT R | 1/4 - 3/8" | 56153 | 1/4 - 3/8" | 56001 | 56135 | ● | ● | ● |
|        | 1/2 - 2"   | 56156 | 1/2 - 3/4" | 56003 | 56235 | ● | ● | ● |
|        |            |       | 1 - 2"     | 56007 | 56236 | ● | ● | ● |
|        | 2 - 3"     | 56104 | 2 - 3"     | 56006 | 56121 | ● | ● | ● |
|        | 3.1/2 - 4" | 56032 | 3.1/2 - 4" | 56008 | 56122 | ● | ● | ● |

|     |            |       |            |       |       |   |   |   |
|-----|------------|-------|------------|-------|-------|---|---|---|
| NPT | 1/4 - 3/8" | 56118 | 1/4 - 3/8" | 56110 |       | ● | ● | ● |
|     | 1/2 - 2"   | 56156 | 1/2 - 3/4" | 56111 | 56180 | ● | ● | ● |
|     |            |       | 1 - 2"     | 56112 | 56181 | ● | ● | ● |
|     | 2.1/2 - 3" | 56104 | 2.1/2 - 3" |       |       | ● | ● | ● |

|      |              |       |            |       |  |   |   |   |
|------|--------------|-------|------------|-------|--|---|---|---|
| BSPP | 1/2 - 1.1/4" | 56076 | 1/2 - 3/4" |       |  | ● | ● | ● |
|      | 1.1/2 - 3"   | 56077 | 1 - 1.1/4" |       |  | ● | ● | ● |
|      |              |       | 1.1/2 - 2" | 56097 |  | ● | ● | ● |
|      |              |       | 2.1/2 - 3" | 56098 |  | ● | ● | ● |

### 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)



For optimal threading results, use only with original ROTHENBERGER cutting fluid or cutting oil (see 139)

#### 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

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

### Pipe supporting column

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



| Model              | Height / mm | kg  | No.          |
|--------------------|-------------|-----|--------------|
| For pipes up to 6" | 780 - 1,200 | 5.8 | <b>56047</b> |

### Replacement safety foot switch

For all ROTHENBERGER threading machines

- Complies with industrial associations' safety and accident prevention requirements
- With oil-proof rubber cable and plug
- Foot switch should not be pushed all the way down (OFF-ON-OFF)



| Model                                    | kg  | No.          |
|--|-----|--------------|
| 3 step with emergency stop switch, 230 V | 2.5 | <b>56335</b> |

### Pipe roughing wrench 3/8 - 2"

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

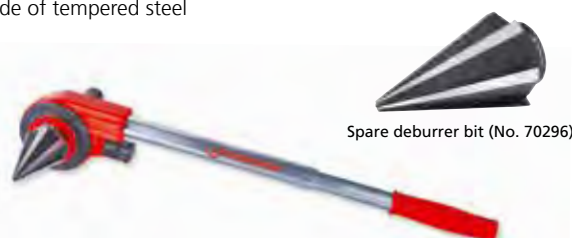


| Model                               | L mm | kg   | No.          |
|-------------------------------------|------|------|--------------|
| Pipe roughing wrench                | 335  | 1.15 | <b>56500</b> |
| Replacement roughing rolls (3 pcs.) |      | 0.30 | <b>56501</b> |

### Ratchet pipe deburrer 1/4 - 2"

Quick and clean deburring

For steel pipes, with smooth-running ratchet, cutting bit made of tempered steel



Spare deburrer bit (No. 70296)

| Model                          | inch     | mm      | g     | No.          |
|--------------------------------|----------|---------|-------|--------------|
| Internal deburrer with ratchet | 1/4 - 2" | 13 - 60 | 2,680 | <b>70289</b> |
| Spare deburrer                 |          |         | 200   | <b>70296</b> |

### NIPPEL MAX

#### NIPPEL MAX Ø 1/2 - 2"

For the production of nipples and double nipples, grips short pipe lengths from within; hardened, sharpened gripping jaws. For all stationary threading machines like PANDA, PISET, ROPOWER and SUPERTRONIC.

- Recycling pipe scraps saves money, material and time
- Automatic quick grip of the pipe piece without the need for additional tools
- Pipes are gripped from within and centred: no damage to pipe piece



Set (No. 56056) includes: nipple chuck 1/2" (No. 56060), 3/4" (No. 56061), 1" (No. 56062), 1.1/4" (No. 56063), 1.1/2" (No. 56064), steel carrying case (No. 26410)

| Model                          | kg  | No.          |
|--------------------------------|-----|--------------|
| NIPPEL MAX set                 |     |              |
| 1/2 - 3/4 - 1 - 1.1/4 - 1.1/2" | 4.4 | <b>56056</b> |
| Nipple chuck 1/2"              | 0.4 | <b>56060</b> |
| Nipple chuck 3/4"              | 0.5 | <b>56061</b> |

| Model               | kg  | No.          |
|---------------------|-----|--------------|
| Nipple chuck 1"     | 0.7 | <b>56062</b> |
| Nipple chuck 1.1/4" | 0.8 | <b>56063</b> |
| Nipple chuck 1.1/2" | 0.9 | <b>56064</b> |
| Nipple chuck 2"     | 1.2 | <b>56065</b> |

# Threading & grooving

## Roll grooving

### Hand roll groover 1 - 12"

**Manageable and compact hand roll groover for producing grooves on installed thin- and standard steel pipes up to 12" (324 mm)**

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

#### APPLICATION AREA

For standard grooves on installed pipes from 1 - 12"

#### KEY FEATURES


- 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

Can also be used in combination with the SUPERTRONIC 2000 E  p. 136

#### TECHNICAL DATA

|                             |   |
|-----------------------------|---|
| <b>Working range:</b>       | 1 - 12" (324 mm)  |
| <b>Pipe wall-thickness:</b> | 1 - 6" SCHL10 + SCHL40<br>4 - 6" SCHL40<br>8 - 12" SCHL10 |
| <b>Weight:</b>              | 12 kg   |
| <b>Depth gauge:</b>         | 2 distance plates included                                |
| <b>Dimensions:</b>          | 195 mm x 210 mm x 210 mm                                  |



| Model                     |  kg | No.        |
|---------------------------|--|------------|
| Hand roll groover 2 - 6"  | 12.0   | 1000000212 |
| Roller set 1"             | 0.59   | 1000000720 |
| Roller set 1.1/4 - 1.1/2" | 0.62   | 1000000721 |
| Roller set 2 - 6"         | 1.00   | 1000000850 |
| Roller set 4 - 6"         | 2.48   | 1000000722 |
| Roller set 8 - 12"        | 2.70   | 1000000723 |

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Application on tripod workbench



Fixture for stabiliser



### 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

#### APPLICATION AREA

**Lightweight and compact design allows for use with the threaders:**


|                  |                  |
|------------------|------------------|
| SUPERTRONIC 2000 | ROPOWER 50 R     |
| SUPERTRONIC 2 SE | SUPERTRONIC 3 SE |
| SUPERTRONIC 4 SE |                  |

#### KEY FEATURES

- 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

**Extremely light: 12 kg!**



| Model                                       |  kg | No.   |
|---|--|-------|
| ROGROOVER for SUPERTRONIC 2000              | 14.5   | 56509 |
| ROGROOVER for ROPOWER 50 R, SC 2 SE, REX 2" | 14.5   | 56505 |
| ROGROOVER for SUPERTRONIC 3 SE and REX 3"   | 14.5   | 56506 |
| ROGROOVER for SUPERTRONIC 4 SE              | 14.5   | 56507 |
| ROGROOVER for RIDGID <sup>1)</sup> 300      | 16.0   | 56504 |
| ROGROOVER for REX 4"                        | 14.5   | 56508 |

| Model   | No.   |
|---|-------|
| Support rail 2"                                   | 56510 |
| Support rail 3"                                   | 56511 |
| Support rail 4"                                   | 56512 |
| Seating adaptor SUPERTRONIC                       | 56514 |
| Pressure roller set for ROGROOVER, 1"             | 56521 |
| Pressure roller set for ROGROOVER, 1.1/4 - 1.1/2" | 56522 |
| Pressure roller set for ROGROOVER, 2 - 6"         | 56523 |
| Tripod workbench                                  | 70751 |



# Threading & grooving

## Roll grooving

### ROGROOVER 1 - 12"

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



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- Pressure rollers toolless adjustable due to revolver-button
- Safe working with foot switch and emergency stop switch, as well as lighting in workplace
- Reliable, powerful 1,500 W motor
- Quick and fine adjustment for groovers and regulation

##### TECHNICAL DATA

|                               |                                  |
|-------------------------------|----------------------------------|
| <b>Working range:</b>         | 1 - 12" (33 - 324 mm)            |
| <b>Pipe wall-thickness:</b>   | 3 - 10 mm                        |
| <b>Weight:</b>                | 175 kg                           |
| <b>Dimensions:</b>            | 685 x 474 x 960 mm               |
| <b>Voltage:</b>               | 110 V-50 Hz, 230 V-50 Hz / 60 Hz |
| <b>Power:</b>                 | 1,500 W                          |
| <b>Torque:</b>                | 36 rpm                           |
| <b>Max. working pressure:</b> | 27,750 N                         |

Fine adjustment of groover depth and regulation

For optimum results

#### Control panel

Power supply, light and emergency stop switch

#### Surrounding steel pipe frame

Protection and carrying frame

#### Revolver-button with integrated pressure rollers

Easy, fast and toolless



#### Adjustable pipe support stand

Ball bearing suspensions for easy handling

#### Function only via foot switch

Safety for the user

3-way adjustment of the pressure rollers size



Drive shaft and measuring tape in the delivery



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                          | kg  | No.        |
|--------------------------------|-----|------------|
| ROGROOVER 1 - 12", 230 V 50 Hz | 175 | 1500001351 |
| ROGROOVER 1 - 12", 230 V 60 Hz | 175 | 1500001352 |
| ROGROOVER 1 - 12", 110 V 50 Hz | 175 | 1500001353 |

| Model                                    | kg   | No.        |
|--|------|------------|
| Pipe support stand                       | 33   | 1500001990 |
| Diameter measuring tape                  | 0.05 | 1500000134 |
| Transport stand                          | 25   | 57050      |
| Spare spindel for Inox tube, 1 - 1.1/2"  | 1.3  | 1000002262 |
| Spare spindel for Inox tube, 2 - 6"      | 1.7  | 1000002263 |
| Spare spindel for Inox tube, 8 - 12"     | 2.6  | 1000002264 |
| Spare spindel for steel tube, 1 - 1.1/2" | 1.3  | 1500001711 |
| Spare spindel for steel tube, 2 - 6"     | 1.4  | 1500001709 |
| Spare spindel for steel tube, 8 - 12"    | 1.7  | 1500001710 |





# Soldering & welding

|   |                      |
|---|----------------------|
| <b>System overview</b>                      | 150 - 151            |
| Cartridge brazing                           | 152 - 156, 158 - 159 |
| Cartridge soft soldering                    | 156 - 157, 159       |
| Cylinder brazing                            | 160 - 161            |
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| Gas welding                                 | 166 - 169            |
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| Accessories soldering & welding             | 172 - 181            |

### Cartridge brazing

|  | <b>SUPER FIRE 3</b>   | <b>SUPER FIRE 4</b>   | <b>ROFIRE Global</b>  | <b>ROFIRE Swivel PRO cyclone piezo</b>  | <b>ROFIRE Swivel PRO twin</b>   |
|--|---|---|---|---|---|
|                         |  |  |  |            |   |
| <b>Soft soldering:</b>  | 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   |
| <b>Brazing:</b>         | 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   |
| <b>Special application:</b>  | Shrinking, removal of paint   | Shrinking, removal of paint   | –   | –   | –   |
| <b>For use with:</b>   | MAPP <sup>1)</sup> gas, Maxigas 400, Multigas 300                                 | MAPP <sup>1)</sup> gas, Maxigas 400, Multigas 300                                 | MAPP <sup>1)</sup> gas, Maxigas 400, Multigas 300                                   | MAPP <sup>1)</sup> gas <sup>2)</sup> , Maxigas 400 <sup>2)</sup> , Multigas 300 <sup>2)</sup> | MAPP <sup>1)</sup> gas <sup>2)</sup> , Maxigas 400 <sup>2)</sup> , Multigas 300 <sup>2)</sup> |
| <b>Page</b>  | <b>152 - 153</b>  | <b>154 - 155</b>  | <b>156</b>  | <b>156</b>  | <b>156</b>  |

### Cartridge soft soldering

### Roofing

PIEZO

**ROFLAME 4**  
**ROFIRE 4 PIEZO**

**ROFIRE 4**

**ROOFING set**



|  |                |               |                                |
|--|----------------|---------------|--------------------------------|
| <b>Soft soldering:</b>  | Up to Ø 22 mm  | Up to Ø 22 mm | ✓                              |
| <b>Brazing:</b>         | –              | Up to Ø 15 mm | –                              |
| <b>Special application:</b>  | –              |               | Bonding of bituminous sheeting |
| <b>For use with:</b>   | Supergas C 200 | Multigas 300  | Propane, butane                |
| <b>Page</b>  | <b>156</b>     | <b>157</b>    | <b>162</b>                     |

### Cartridges

**MAPP<sup>1)</sup> gas**

**Maxigas 400**

**Multigas 300**









**Supergas C 200**



|                           |                          |                          |                |                      |
|---------------------------|--------------------------|--------------------------|----------------|----------------------|
| <b>Flame temperature:</b> | Up to 2,700 °C           | Up to 2,200 °C           | Up to 1,900 °C | Up to 1,800 °C       |
| <b>Application:</b>       | Soft soldering & brazing | Soft soldering & brazing | Soft soldering | Soft soldering       |
| <b>Valve:</b>             | 7/16" EU                 | 7/16" EU                 | 7/16" EU       | Pierceable cartridge |
| <b>Content:</b>           | 800 ml / 400 g           | 600 ml / 352 g           | 600 ml / 338 g | 314 ml / 190 g       |
| <b>Page</b>               | <b>158</b>               | <b>159</b>               | <b>159</b>     | <b>159</b>           |








### Brazing & soft soldering devices

|   | RE 17   | ALLGAS 2000 set   | ALLGAS 2000 PS 0.5/2 Compact  | ALLGAS Mobile Pro   | ROXY 400 L  |
|---|---|---|---|---|---|
|   |  | <br>Fig. similar |  |  |  |
| 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  | 170   | 166   | 167   | 168   | 169   |




### Cylinder brazing & soft soldering

### E-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  | 160   | 161   | 164 - 165   |

### Cartridges & cylinders

|              | Acetylene   | Oxygen  |
|--------------|---|---|
|              |  |  |
| Application: | Brazing, welding, cutting   | Brazing, welding, cutting   |
| Valve:       | DIN 477-1   | M 10x1 (one-way) / G 3/4" RH  |
| Pressure:    | 19 bar  | 110 bar (one-way) / 200 bar   |
| Content:     | 5 l, 10 l   | 950 ml (one-way) / 2 l, 5 l, 10 l   |
| Page         | 172   | 172   |

-  Soft soldering  
Up to 450 °C
-  Brazing  
450 °C - 1100 °C
-  Gas welding  
> 1100 °C

<sup>1)</sup> MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

# Bonding

## Cartridge brazing

### SUPER FIRE 3

#### Ergonomic HEAVY DUTY brazing unit

For brazing up to Ø 28 mm and soft soldering up to Ø 35 mm as well as other applications such as removal of paint or shrinking of hoses



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- Rapid material heat-up, less consumption!
- Long service life
- "Twist 'N' Load" system (5 different burner available) – exchange of the burner with only one movement
- Precise flame adjustment
- Up to 2.5 hours of brazing with one cartridge

##### KEY FEATURES

- Even more comfortable for longer jobs
- Reliable piezo ignition (up to 30,000 ignitions)
- Double the safety because there is no gas leakage without locked burners (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

### Standard burner (700 °C):



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

### Cyclone burner (950 °C):



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

### Hot air burner (400 °C):



For the removal of paint and for shrinking work up to approx. 80 mm diameter; wind-stable, powerful current of hot air

### Shrinking burner (720 °C):



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

## SUPER FIRE 3 HOT BOX

### KEY FEATURES

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

RO  
CASE



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), 2x MAPP<sup>1)</sup> gas A cartridges (No. 035521-A), ROCASE 4414 (No. 1000001945)

| Model  |   | No.        |
|--|---|------------|
| SUPER FIRE 3 HOT BOX EU (incl. MAPP <sup>1)</sup> gas A) | 1 | 1000002369 |
| SUPER FIRE 3 HOT BOX EU (incl. MAPP <sup>1)</sup> gas B) | 1 | 1000002370 |
| SUPER FIRE 3 HOT BOX EU (incl. MAPP <sup>1)</sup> gas C) | 1 | 1000002371 |

## SUPER FIRE 3 basic set

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                                 |   | No.     |
|---------------------------------------|---|---------|
| SUPER FIRE 3 basic set                |   | 35436   |
| SUPER FIRE safety adaptor 7/16" to 1" | 1 | 035648X |



No. 035648X



No. 35436

## ACCESSORIES



| Model                             |           | Model                 |     |
|-----------------------------------|-----------|-----------------------|-----|
| Welding blanket                   | 175       | Fittings solder       | 177 |
| Internal brushes for copper pipes | 175       | ROVLIES cleaning pads | 175 |
| Solder                            | 176 - 181 | ROSOL soldering paste | 177 |

<sup>1)</sup> MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

# Bonding

## Cartridge brazing

### SUPER FIRE 4

#### Ergonomic brazing unit

For brazing up to Ø 28 mm and soft soldering up to Ø 35 mm as well as other applications such as removal of paint or shrinking of hoses



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- Rapid material heat-up, less consumption!
- "Twist 'N' Load" system (5 different burner available) – exchange of the burner with only one movement
- Precise flame adjustment
- Improved trigger locking mechanism for one-handed-operation

##### KEY FEATURES

- Reliable piezo ignition (up to 30,000 ignitions)
- Double the safety because there is no gas leakage without locked burners (piezo ignition)
- Longer handle for an even more stable positioning on the cartridge

##### TECHNICAL DATA

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

#### Burner with swirl flame

Rapid heat-up, less consumption!

Elaborately manufactured brass / stainless steel design

Long service life

#### "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

##### 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

##### Ergonomically designed handle

Robust, light and slipfree through rubberized surface

- ✓ Safe
- ✓ Fast
- ✓ Reliable

Brazing in refrigeration / air-conditioning technology



High flame temperature based on cyclone swirl



Brazing in refrigeration / air-conditioning technology





### Pin-point burner (460 °C):



For fine soldering; precise and stable flame

### Standard burner (700 °C):



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

### Cyclone burner (950 °C):



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

### Hot air burner (400 °C):



For the removal of paint and for shrinking work up to approx. 80 mm diameter; wind-stable, powerful current of hot air

### Shrinking burner (720 °C):



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

## SUPER FIRE 4 HOT BOX

### KEY FEATURES

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



5-part set (No. 1000002364) includes: handle (No. 1500001354), cyclone burner (No. 35457), pin-point burner (No. 35455), flame reflector (No. 31043), universal torch support (No. 35461), 2x MAPP<sup>1)</sup> gas A cartridges (No. 035521-A), ROCASE 4414 (No. 1000001945)

| Model   |   | No.        |
|---|---|------------|
| SUPER FIRE 4 HOT BOX EU (incl. MAPP <sup>1)</sup> gas A)  | 1 | 1000002364 |
| SUPER FIRE 4 HOT BOX EU (incl. MAPP <sup>1)</sup> gas B)  | 1 | 1000002366 |
| SUPER FIRE 4 HOT BOX EU (incl. MAPP <sup>1)</sup> gas C)  | 1 | 1000002368 |
| SUPER FIRE 4 HOT BOX US (incl. MAPP <sup>1)</sup> gas US) | 1 | 1000001630 |

## SUPER FIRE 4 basic set

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                                 |   | No.        |
|---------------------------------------|---|------------|
| SUPER FIRE 4 basic set                | 1 | 1500001355 |
| SUPER FIRE safety adaptor 7/16" to 1" | 1 | 035648X    |



No. 035648X



No. 1500001355

## ACCESSORIES



| Model                             |           | Model                 |     |
|-----------------------------------|-----------|-----------------------|-----|
| Welding blanket                   | 175       | Fittings solder       | 177 |
| Internal brushes for copper pipes | 175       | ROVLIES cleaning pads | 175 |
| Solder                            | 176 - 181 | ROSOL soldering paste | 177 |

<sup>1)</sup> MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

# Bonding

## Cartridge brazing/soft soldering

### ROFIRE GLOBAL

Ergonomic torch for brazing and soft soldering applications

#### APPLICATION AREA

**Brazing:** up to Ø28 mm (with flame reflector in a wind protected environment)  
**Soft soldering:** up to Ø 35 mm

#### KEY FEATURES

- Long service life, with cyclone effect for rapid heat-up
- Reliable up to 30,000 ignitions
- Protection against triggering of the Piezo ignition when falling down accidentally
- Precise flame adjustment
- Durable plastic for ergonomic handling
- Longer handle for stable positioning on gas cartridges

| Model                   | g   | No.        |
|-------------------------|-----|------------|
| ROFIRE GLOBAL, 7/16" EU | 250 | 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

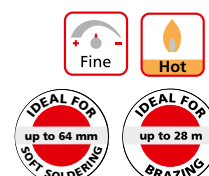


| Model                              | g   | No.   |
|------------------------------------|-----|-------|
| ROFIRE Swivel PRO cyclone piezo US | 330 | 35016 |

### ROFIRE Swivel PRO twin

Twin cyclone burner

**Coupling:** 1" US  
**Brazing:** up to Ø 28 mm  
**Soft soldering:** up to Ø 64 mm



| Model                     | g   | No.   |
|---------------------------|-----|-------|
| ROFIRE Swivel PRO twin US | 400 | 35012 |

### ROFLAME 4 PIEZO

Ergonomic soft soldering torch for a safe and comfortable usage

#### APPLICATION AREA

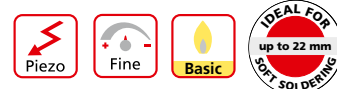
**Soft soldering:** up to Ø 22 mm

#### KEY FEATURES

- Integrated pre-heat function for a stable flame, even when turning it upside down (360°)
- Robust metal housing for C 200 cartridges
- 2-component rubberized plastic handle for superior ergonomics and handling
- Piezo ignition (up to 30,000 ignitions)
- Precise adjustment of the flame

#### TECHNICAL DATA

**Coupling:** Pierceable connection (C 200 cartridge)  
**Handle:** Plastic, rubberized  
**Burner:** Stainless steel & brass  
**Housing:** Inox burner, 2-component rubber-plastic handle, metal cartridge housing



| Model                        | g   | No.        |
|------------------------------|-----|------------|
| ROFLAME 4 PIEZO, without gas | 630 | 1000002358 |

### ROFIRE 4

Ergonomic soft soldering torch for a safe and comfortable usage



#### APPLICATION AREA

**Brazing:** up to Ø 15 mm  
**Soft soldering:** up to Ø 22 mm

#### KEY FEATURES

- Integrated pre-heat function for a stable flame, even when turning it upside down (360°)
- Precise adjustment of the flame

#### TECHNICAL DATA

**Coupling:** 7/16"-EU  
**Handle:** Plastic  
**Burner:** Stainless steel & brass



| Model                       | g   | No.        |
|-----------------------------|-----|------------|
| ROFIRE 4, without gas       | 300 | 1500002921 |
| ROFIRE 4, with Multigas 300 | 750 | 1000002359 |

### ROFIRE 4 PIEZO

Ergonomic soft soldering torch for a safe and comfortable usage



7

#### APPLICATION AREA

**Brazing:** up to Ø 15 mm  
**Soft soldering:** up to Ø 22 mm

#### KEY FEATURES

- Integrated pre-heat function for a stable flame, even when turning it upside down (360°)
- 2-component rubberized plastic handle for superior ergonomics and handling
- Piezo ignition (up to 30,000 ignitions)
- Precise adjustment of the flame

#### TECHNICAL DATA

**Coupling:** 7/16" EU  
**Handle:** Plastic, rubberized  
**Burner:** Stainless steel & brass



Integrated pre-heat function for a stable flame, even when turning it upside down (360°)



Soft soldering in drinking water and heating installation



| Model                             | g   | No.        |
|-----------------------------------|-----|------------|
| ROFIRE 4 PIEZO, without gas       | 300 | 1500002922 |
| ROFIRE 4 PIEZO, with Multigas 300 | 750 | 1000002360 |

# Bonding

## Cartridge brazing

### MAPP<sup>1)</sup> gas

High performance brazing and soldering gas  
 Flame temperatures up to 2,700°C and 35 % faster than propane



Product profile

KEY FEATURES

- Superior heat transfer, higher than propane, especially in winter below 0°C
- Increased safety and stability based on massive brass valve and protective collar
- Provides superior flame performance in any position (360°)

KEY FEATURES

- Easy to use
- Guaranteed constant top torch performance
- Longer periods of use

100 % propylene

Superior flame performance (even upside down) and a higher heat transfer than propane

Steel cylinder

Suitable for high pressure gases

7/16"-EU brass valve

Patented design for high-pressure gases

Protective collar

Stabilizes the torch and protects against accidental drops

Protective collar stabilizes the torch and protects against accidental drops

| Model  | Content |    | No.             |
|--|---------|----|-----------------|
| MAPP <sup>1)</sup> gas 7/16" EU, A<br>Languages: DE, GB, FR, ES, IT, PT  | 800 ml  | 12 | <b>035521-A</b> |
| MAPP <sup>1)</sup> gas 7/16" EU, B<br>Languages: DK, NL, SE, FI, FR, RUS | 800 ml  | 12 | <b>035521-B</b> |
| MAPP <sup>1)</sup> gas 7/16" EU, C<br>Languages: CZ, PL, HU, BG, TR, RO  | 800 ml  | 12 | <b>035521-C</b> |
| Torches can be found starting on  152                                    |         |    |                 |

### Packaging profile

| Model                           | MAPP <sup>1)</sup> gas |
|---------------------------------|------------------------|
| No.                             | <b>035521-A</b>        |
| EAN code                        | 4004625400180          |
| Product size (mm) (W x H)       | 70 x 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 x W x H)    | 800 x 1,200 x 1,000    |
| Carton size (mm) (L x W x H)    | 290 x 310 x 240        |

<sup>1)</sup> MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden




## Cartridge brazing/soft soldering

### 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




| Model  | Maxigas 400         |
|--|---------------------|
| No.  | 035570-A/-B         |
| EAN code   | 4004625355701 (A)   |
| Product size (mm) (W x H)  | 65 x 260            |
| Content (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 x W x H)   | 800 x 1,200 x 1,000 |
| Carton size (mm) (L x W x H)   | 405 x 272 x 264     |

### Multigas 300

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




| Model  | Multigas 300        |
|--|---------------------|
| No.  | 035510-A/-B         |
| EAN code   | 4004625355107 (A)   |
| Product size (mm) (W x H)  | 65 x 260            |
| Content (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 x W x H)   | 800 x 1,200 x 1,000 |
| Carton size (mm) (L x W x H)   | 405 x 272 x 264     |

### Supergas C 200 TSS

Pierceable butane cartridge with propane contents, also for working at low temperatures. Manufactured according to EN 417:2012, with integrated Top Safe System (TSS). This system prevents uncontrolled gas leakage when accidentally disconnecting it from the device.



| Model  | C 200 TSS           |
|--|---------------------|
| No.  | 035901-A/-B         |
| EAN code   | 4004625390627 (A)   |
| Product size (mm) (W x H)  | 90 x 95             |
| Content (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 x W x H)   | 800 x 1,200 x 1,180 |
| Carton size (mm) (L x W x H)   | 360 x 275 x 280     |

# Bonding

## Cylinder brazing

### AIRPROP

Propane high-performance torches for brazing up to Ø 22 mm and soft soldering up to Ø 54 mm

For brazing and soft soldering of copper and steel pipes up to 2,000 °C without oxygen, as well as warming up, shrinking and flame cleaning



#### Product profile

##### KEY FEATURES

- Bundled, concentrated and hot flame with the built-in gas turbine in brazing torch
- Absolutely gas-tight with the optimised valve technology
- Gas-saving operation with the smooth-running economy valve
- Fast burner exchange without tools

##### TECHNICAL DATA

|                          |                                |
|--------------------------|--------------------------------|
| <b>Self-induced air:</b> | Turbine and combustion chamber |
| <b>Torch:</b>            | Surface treated, chromed brass |
| <b>Hose coupling:</b>    | G 3/8" LH                      |

#### Built-in gas turbine in brazing burner

Bundled, concentrated and hot flame

#### Smooth-turning economy valve

Gas-saving operation

#### Optimised valve technology

Absolutely gas tight

#### Shut-off valve

Prevents uncontrolled gas escape

Absolutely gas-tight connection thanks to dual O-ring technology

Fast burner exchange without tools

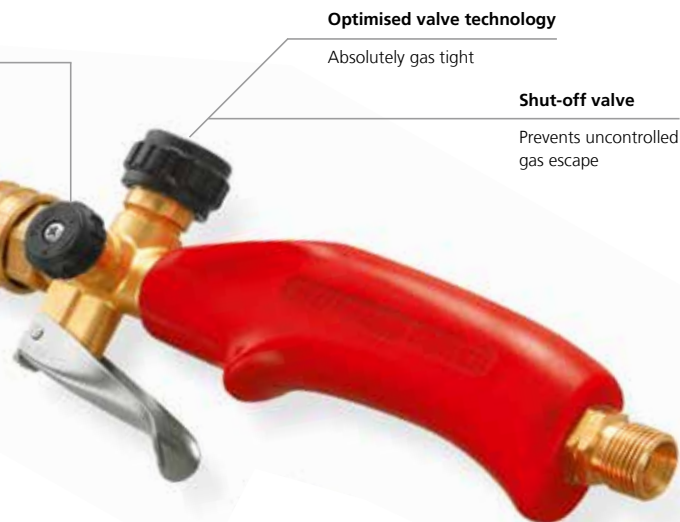


No. 31092

Fig. similar

**Sets include:** safety handle with push-in coupling (No. 211121116), brazing burner with push-in nipple Ø 14 mm (No. 221131416) / Ø 16 mm (No. 221131616) / Ø 19 mm (No. 221131916), propane hose, 2.5 m with 3/8" LH coupling (No. 32201), safety igniter (No. 32077), replacement flints (No. 32088), open-ended spanner (No. 32073), steel case (No. 31005)

| Model   | kg  | No.          |
|---|-----|--------------|
| AIRPROP brazing set without propane regulator                                 | 2.8 | <b>31092</b> |
| AIRPROP brazing set with propane regulator (No. 32081) (W 21.8 LH – G 3/8 LH) | 3.1 | <b>31091</b> |



Threaded coupling  
M14 x 1

Push-in nipple

#### AIRPROP brazing burner with threaded coupling

| Ø mm  | L mm | g/h 2 bar | kWh – kcal – BTU      | g   | No.          |
|-------|------|-----------|-----------------------|-----|--------------|
| 14 mm | 140  | 125       | 1.60 – 1,375 – 5,465  | 95  | <b>30913</b> |
| 16 mm | 145  | 180       | 2.30 – 3,300 – 7,885  | 100 | <b>30914</b> |
| 19 mm | 170  | 300       | 3.84 – 3,300 – 13,115 | 130 | <b>30915</b> |
| 22 mm | 171  | 400       | 5.12 – 4,400 – 26,195 | 145 | <b>30916</b> |

#### AIRPROP brazing burner with push-in nipple coupling

| Ø mm  | L mm | g/h 2 bar | kWh – kcal – BTU      | g   | No.              |
|-------|------|-----------|-----------------------|-----|------------------|
| 14 mm | 140  | 125       | 1.60 – 1,375 – 5,465  | 95  | <b>221131416</b> |
| 16 mm | 145  | 180       | 2.30 – 3,300 – 7,885  | 100 | <b>221131616</b> |
| 19 mm | 170  | 300       | 3.84 – 3,300 – 13,115 | 130 | <b>221131916</b> |
| 22 mm | 171  | 400       | 5.12 – 4,400 – 26,195 | 145 | <b>221132216</b> |

### TURBOPROP

**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



#### Product profile

##### KEY FEATURES

- High flame temperature due to turbine with increased oxygen self-induced air and 4- to 5-fold flame chamber
- Fast burner exchange without tools
- Gas-saving operation with the smooth-running economy valve
- Shut-off valve prevents uncontrolled gas escape

##### TECHNICAL DATA

|                          |                                |
|--------------------------|--------------------------------|
| <b>Self-induced air:</b> | Turbine and combustion chamber |
| <b>Torch:</b>            | Surface treated, chromed brass |
| <b>Hose coupling:</b>    | G 3/8" LH                      |

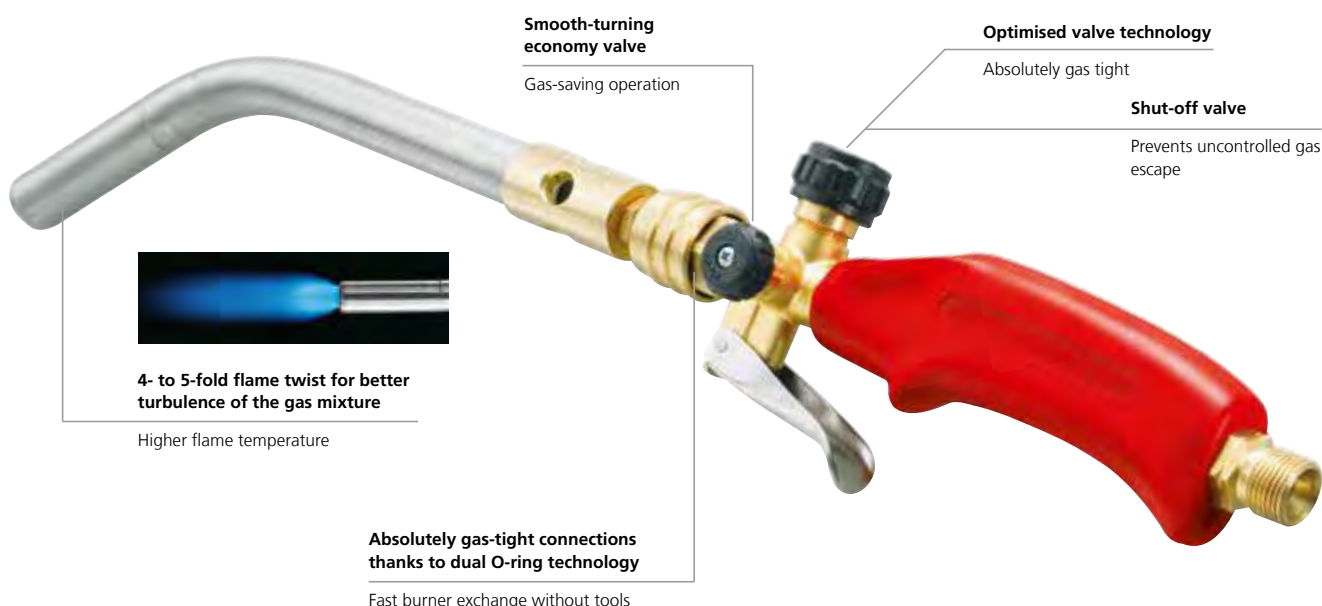


Fig. TURBOPROP burner with push-in nipple



No. 31090

Fig. similar

**Sets include:** safety handle with push-in coupling (No. 211121116), brazing burner with push-in nipple Ø 12 mm (No. 31032) / Ø 15 mm (No. 221031500) / Ø 18 mm (No. 221031800), propane hose, 2.5 m with 3/8" LH coupling (No. 32201), safety igniter (No. 32077), replacement flints (No. 32088), open-ended spanner (No. 32073), steel case (No. 31005)

| Model  | kg  | No.          |
|--|-----|--------------|
| TURBOPROP set without propane regulator                                  | 2.8 | <b>31090</b> |
| TURBOPROP set with propane regulator (No. 32081E) (W 21.8 LH – G 3/8 LH) | 3.1 | <b>31094</b> |

### TURBOPROP brazing burner with push-in nipple coupling

| Ø mm  | L mm | g/h 2 bar | kWh – kcal – BTU      | g   | No.              |
|-------|------|-----------|-----------------------|-----|------------------|
| 12 mm | 175  | 110       | 1.41 – 1,210 – 4,815  | 90  | <b>31032</b>     |
| 15 mm | 195  | 180       | 2.30 – 1,980 – 7,855  | 110 | <b>221031500</b> |
| 18 mm | 230  | 240       | 3.07 – 2,640 – 10,485 | 160 | <b>221031800</b> |

# Bonding

## Cylinder soft soldering

### ROOFING set

Propane surface-heating torch with Ø 63 mm high-performance burner



#### Product profile

##### APPLICATION AREA

Ideal for roofing and asphalt work and for bonding of bituminous sheeting, large-scale burning of weeds, defrosting, insulation, shrinking, drying and warming up.

##### KEY FEATURES

- Large working range with 5 m propane hose
- Efficient use even in adverse weather conditions with the flame stabiliser
- High-performance burner with flame stabiliser chrome plated with a reinforced edge
- Burner support

##### TECHNICAL DATA

600 mm burner tube  
Burner support



Ø 63 mm

L = 600 mm

**Burner support included!**

5 m propane hose

Large working range

Ideal for roofing and asphalt work



600 mm burner tube with support and 5.0 m propane hose



**5-part set (No. 30954) includes:** propane handle (No. 215111216), 63 mm high-performance torch (No. 223216300), 600 mm torch pipe (No. 236010000), 5 m propane hose (No. 32203), torch support (No. 252010000)

| Model  | g     | No.              |
|--|-------|------------------|
| ROOFING set  | 1,920 | <b>30954</b>     |
| ROOFING set<br>(as No. 30954, with pressure regulator No. 30925) | 2,300 | <b>30957</b>     |
| Burner support   | 60    | <b>252010000</b> |

### Extensions

Special tube, chrome plated, angled 40°, inlet M 14 x 1, outlet M 20 x 1







| L<br>mm | g   | No.              | L<br>mm | g   | No.              |
|---------|-----|------------------|---------|-----|------------------|
| 100     | 90  | <b>231010000</b> | 350     | 190 | <b>233510000</b> |
| 200     | 120 | <b>232010000</b> | 600     | 290 | <b>236010000</b> |

### Surface-heating burner heads

High-efficiency burner heads with flame stabilisers, made of special chrome plated steel, reinforced edge. For warming up, shrinking, insulating, hardening, general repair work etc.  
Threaded M 20 x 1 coupling




|  |  |  |       |                    |  | No.       |
|---|---|---|-------|--------------------|---|-----------|
| mm  | mm  | 2 bar   | kWh   | kcal – BTU         | g   |           |
| open  |   |   |       |                    |   |           |
| 51  | 112   | 3800  | 48.60 | – 41,800 – 165,970 | 270   | 223090716 |
| 63  | 138   | 6700  | 85.70 | – 73,700 – 292,670 | 440   | 223090916 |
| closed  |   |   |       |                    |   |           |
| 45  | 102   | 2500  | 32.00 | – 27,500 – 109,280 | 240   | 223214500 |
| 51  | 112   | 3800  | 48.60 | – 41,800 – 165,970 | 270   | 223215100 |
| 57  | 126   | 5500  | 70.35 | – 60,500 – 240,257 | 350   | 223215700 |
| 63  | 138   | 6700  | 85.70 | – 73,700 – 292,670 | 440   | 223216300 |

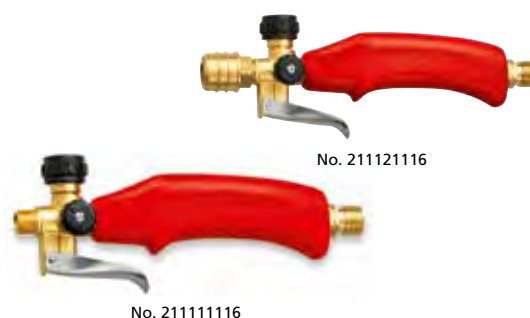


## Accessories cylinder brazing/soft soldering

### Safety propane handles


With economy, regulating and shut-off valves, hose coupling G 3/8" LH

| Model                                       |  | No.              |
|---|---|------------------|
| Safety propane handle with push-in coupling | 350   | <b>211121116</b> |
| Safety propane handle with M 14x1 coupling  | 290   | <b>211111116</b> |
| Repair kit with shut-off valve, complete    | 10  | <b>30101</b>     |
| Repair kit with regulating valve, complete  | 10  | <b>30102</b>     |



### Propane regulators



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

| Inlet           | Outlet    | Working pressure Bar | Performance kg/h |  | No.              |
|-----------------|-----------|----------------------|------------------|---|------------------|
| W 21.8x1/14" LH | G 3/8" LH | 0.5 - 4.0            | 8                | 240   | <b>32081</b>     |
| G 3/8" LH       | G 3/8" LH | 0 - 6                | 8                | 200   | <b>242206000</b> |
| W 21.8x1/14" LH | G 3/8" LH | 4                    | 8                | 230   | <b>30925</b>     |



### Propane hoses

Top quality, with strong inlay, durable and flexible, mounted with sleeves and nuts, up to 20 bar pressure (2 MPa)

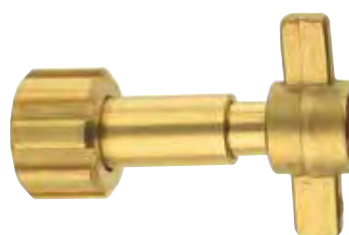
|  | Inlet     | Outlet      | Standard | Interior-Ø mm | Wall thickness |  | No.          |
|---|-----------|-------------|----------|---------------|----------------|---|--------------|
| 2   | G 3/8" LH | M 10 x 1 LH | ISO 3821 | 4.0 x 3.5     |                | 310   | <b>30927</b> |
| 2.5   | G 3/8" LH | G 3/8" LH   | ISO 3821 | 4.0 x 3.5     |                | 350   | <b>32201</b> |
| 5   | G 3/8" LH | G 3/8" LH   | ISO 3821 | 4.0 x 3.5     |                | 730   | <b>33310</b> |
| 10  | G 3/8" LH | G 3/8" LH   | EN 1327  | 5.0 x 3.5     | 1,650          |   | <b>32223</b> |



### Refilling adaptor

For refilling 0.425 kg propane cylinders from 3 kg, 5 kg or 11 kg propane cylinders, brass with guide pin

| Inlet             | Outlet    |  | No.          |
|-------------------|-----------|---|--------------|
| W 21.8 x 1/14" LH | G 3/8" LH | 160   | <b>32207</b> |



### Propane steel cylinder

With cylinder valve, TÜV tested, according to TRG


| Model  | Outlet | Content |  | No.          |
|--|--------|---------|---|--------------|
| Small cylinder 0.425 kg, with foot G 3/8" LH empty |        | 2.75    |   | <b>33079</b> |
| Protective collar for No. 33079                    |        |         |   | <b>35636</b> |



Fig. similar

# Bonding

## Electric soft soldering

### ROTHERM 2000

Electric soft soldering unit up to Ø 54 mm / 2.1/8"



#### Product profile

##### APPLICATION AREA

For simple, safe and time-saving soft soldering without a flame. Particularly suitable for repair and modification work in surroundings or rooms with a fire hazard, as well as in building refurbishment.

**Soft Soldering of copper pipes:** Ø 6 - 54 mm, 1/4 - 2.1/8"

##### KEY FEATURES

- Soldering without open flame
- Large working radius, also when working under ceilings
- Comfortable transport and convenient use
- High-performance, short soldering times
- Thermal overload protection turns device off automatically

##### KEY FEATURES

- Handle shell will not overheat
- No purchasing on handling of gas cylinders necessary
- Equivalent with transport terms
- Connection on every 230 V outlet, 2 m connection cable
- Fast return on investment
- Power control lamp (red) and operating control lamp (green)
- Equipment fuse accessible from outside

##### TECHNICAL DATA

|                         |                    |
|-------------------------|--------------------|
| Power:                  | 2,000 W            |
| Soldergun cable:        | 4 m                |
| Dimensions (L x W x H): | 260 x 190 x 200 mm |
| Weight:                 | 10.5 kg            |

### Soldering without open flame!

Generously dimensioned stainless steel cooling ribs

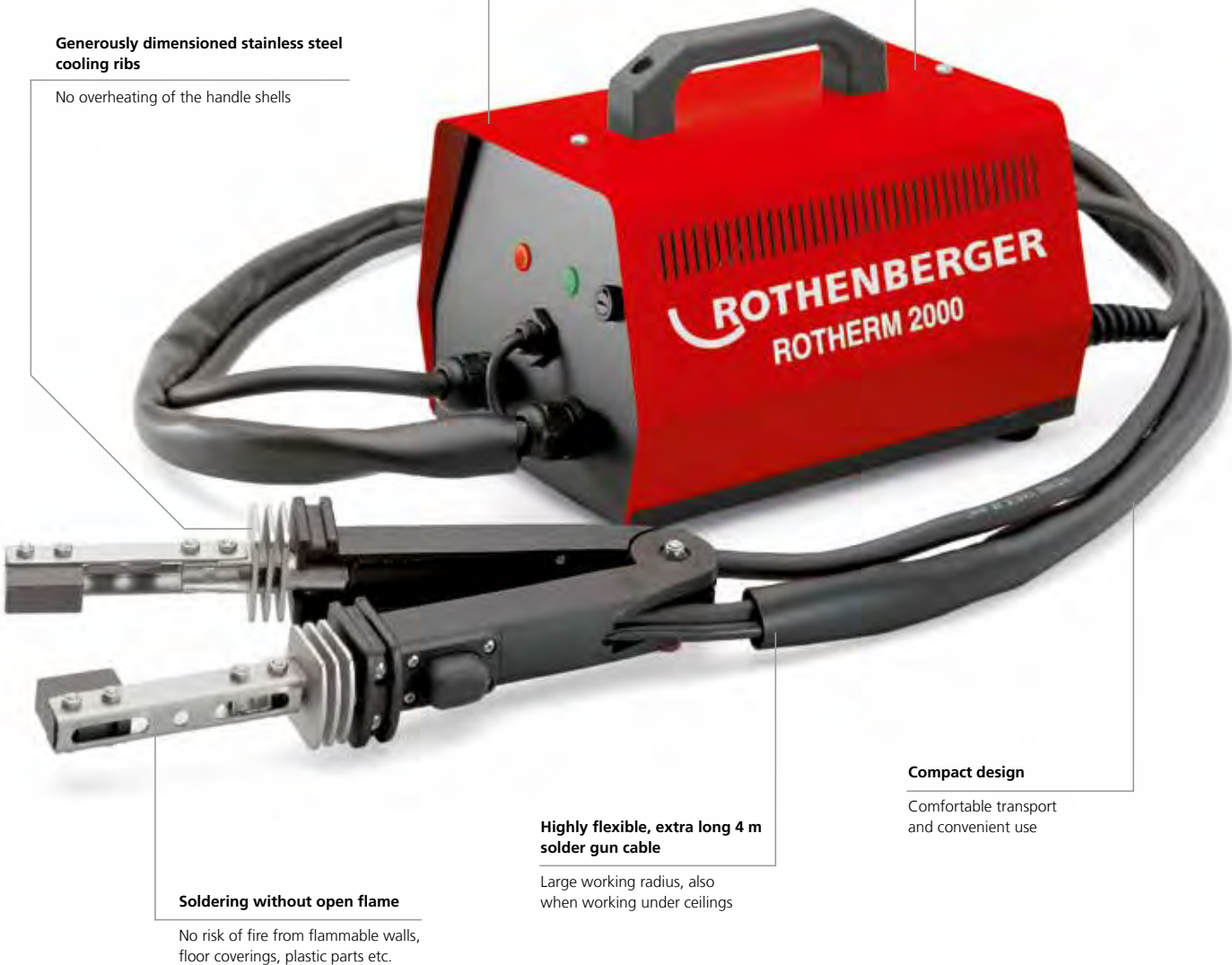
No overheating of the handle shells

Thermal overload protection

Automatic device shut-off

2,000 W

High-performance, short soldering times



Soldering without open flame

No risk of fire from flammable walls, floor coverings, plastic parts etc.

Highly flexible, extra long 4 m solder gun cable

Large working radius, also when working under ceilings

Compact design

Comfortable transport and convenient use

### ROTHERM 2000 soft soldering set

Electric soft soldering unit up to Ø 54 mm / 2.1/8"

Set (No. 36702 ) includes: ROTHERM 2000 soft soldering unit, 230 V (No. 36700), ROSOL 3 fittings soldering paste (No. 45225), fitting solder 3 (No. 45255), ROVLIES (No. 45268), internal brushes 12 mm (No. 854181) / 15 mm (No. 854183) / 18 mm (No. 854185) / 22 mm (No. 854186) / 28 mm (No. 854187), steel case (No. 36715)

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



Fig. similar

| Model                            | kg   | 230 V<br>50/60 Hz |
|----------------------------------|------|-------------------|
| ROTHERM 2000 soft soldering set  | 17.8 | <b>36702</b>      |
| ROTHERM 2000 soft soldering unit | 13.6 | <b>36700</b>      |
| Steel case                       | 3.5  | <b>36715</b>      |

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



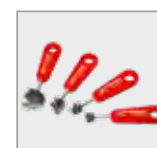
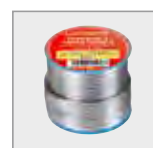
Flat electrode



Simple replacement of electrodes and electrode holders



### ACCESSORIES



| Model                             | No.          | Model                            |            |
|-----------------------------------|--------------|----------------------------------|------------|
| Flat electrode (pair)             | <b>36721</b> | ROVLIES cleaning pads            | <b>173</b> |
| Flat electrode with holder (pair) | <b>36711</b> | Fittings solder flux             | <b>175</b> |
| Rod electrodes (pair)             | <b>36720</b> | Fittings solders                 | <b>175</b> |
| Rod electrodes with holder (pair) | <b>36710</b> | Internal brushes for copper pipe | <b>173</b> |

# Bonding

## Gas-welding

### ALLGAS 2000 set

#### Mobile soldering and welding torch

Ideal mobile soldering and welding torch for plumbers, HVAC fitters, refrigeration technicians, automotive workshops and tinsmiths



#### Product profile

##### APPLICATION AREA

|                               |   |
|-------------------------------|---|
| <b>Soldering range:</b>       | up to 2.5 mm material thickness   |
| <b>Welding range:</b>         | 0.2 - 5 mm  |
| <b>Suitable for use with:</b> | Acetylene and oxygen<br>Propane and oxygen<br>CNG and oxygen<br>Town gas and oxygen |

#### Product profile

##### KEY FEATURES

- For use with all conventional gases and cylinder oxygen
- Practically complete emptying of gas cylinders (money-saving)
- Super compact for working in confined spaces
- Efficient and economical professional use

#### Low gas pressure of only 0.2 bar

Practically complete emptying of gas cylinders (money saving) for use with all conventional gases and cylinder oxygen

#### Small, very light handle (280 g)

Super compact for working in confined spaces

#### Universal soldering and welding torch

For use with all conventional gases and cylinder oxygen

#### Flexible pipe welding attachments



#### Safe and quick flame positioning




#### Dispersion burners for warming up




#### Economical

Efficient and economical professional use

**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 x 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 |  g | No.          |
|-------------------------------|-----------------|-------------------|---|--------------|
| ALLGAS 2000 set (acetylene)   |                 |                   | 3,100   | <b>35300</b> |
| ALLGAS 2000 handle            | G 1/4" RH       | G 3/8" LH         | 280   | <b>35303</b> |
| Mixing burners with union nut |                 |                   | 40  | <b>35304</b> |

#### Welding tips and welding attachments

| Model  | Welding range mm |  g | No.          |
|--|------------------|---|--------------|
| Welding tip size 2                           | 1.0 - 2.0        | 10  | <b>35306</b> |
| Welding tip size 3                           | 2.0 - 3.0        | 10  | <b>35307</b> |
| Welding tip size 4                           | 3.0 - 4.0        | 10  | <b>35308</b> |
| Welding tip size 5                           | 4.0 - 5.0        | 10  | <b>35309</b> |
| Welding tip holder, can be used as a spanner |                  | 20  | <b>35312</b> |
| Flexible welding tip size 1                  | 2.0 - 3.0        | 40  | <b>35313</b> |
| Flexible welding tip size 2                  | 4.0 - 5.0        | 40  | <b>35314</b> |
| Coupling / union nut size 14                 |                  | 10  | <b>35315</b> |



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



#### Product profile

##### KEY FEATURES

- 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:** 2,850 °C  
**Working temperature:** 1,150 °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), fuel gas safety device (No. 1000000631), carrying frame (No. 35629)

| Model                              | kg   | No.          |
|------------------------------------|------|--------------|
| ALLGAS 2000 PS 0.5 / 2 Compact set | 21.4 | <b>35655</b> |
| Carrying frame without accessories | 10.3 | <b>35629</b> |

Further accessories can be found on 172

Carrying comfort



Fig. similar



The bottle colors shown are without obligation!  
Fig. similar

### ALLGAS 2000 welding tips

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

| Model  | Welding range mm | g  | No.          |
|--|------------------|----|--------------|
| Welding tip size 2                           | 1.0 - 2.0        | 10 | <b>35306</b> |
| Welding tip size 3                           | 2.0 - 3.0        | 10 | <b>35307</b> |
| Welding tip size 4                           | 3.0 - 4.0        | 10 | <b>35308</b> |
| Welding tip size 5                           | 4.0 - 5.0        | 10 | <b>35309</b> |
| Welding tip holder, can be used as a spanner | 20               |    | <b>35312</b> |



Welding tips, thread M8 X 1



No. 35309



No. 35312

### Flexible pipe welding attachments

| Model                        | Welding range mm | g  | No.          |
|------------------------------|------------------|----|--------------|
| Flexible welding tip size 1  | 2.0 - 3.0        | 40 | <b>35313</b> |
| Flexible welding tip size 2  | 4.0 - 5.0        | 40 | <b>35314</b> |
| Coupling / union nut size 14 |                  | 10 | <b>35315</b> |



# Bonding

## Gas-welding

### ALLGAS Mobile Pro

Mobile brazing equipment with safety devices  
For brazing of iron, steel, sheet steel, pipes and non-ferrous metals



#### Product profile

##### KEY FEATURES

- Mobile brazing set with a total weight lower than 6 kg incl. cartridges
- High-quality safety devices for both gas hoses to prevent flash-backs
- MAPP<sup>®</sup> gas pressure regulator with an adjustable range of 0 - 2 bar for a constant, low consumption and an efficient flame adjustment

##### TECHNICAL DATA

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

Accessories included in the set



7



#### High-quality safety devices

Reliable prevention of gas returns and flashbacks

#### Pressure reducer 0 - 2 bar

Constant, low consumption and efficient flame adjustment

#### Total weight < 6 kg

High mobility on construction site

#### High-quality rubber hoses

20 bar, EN ISO 3821 certified, length: 2.5 m



#### MAPP<sup>®</sup> and oxygen


Flame temperature  
above 3,100 °C

#### Welding and brazing torch

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

Fig. similar

| Model  |  |  | No.        |
|--|---|---|------------|
| ALLGAS Mobile Pro 1" US, w/o cartridges            | 3.86  |   | 1000000529 |
| ALLGAS Mobile Pro 1" US, with cartridges           | 5.95  |   | 1000000743 |
| ALLGAS Mobile Pro 7/16" EU, w/o cartridges         | 3.86  |   | 1000000642 |
| ALLGAS Mobile Pro 7/16" EU, with cartridges        | 5.70  |   | 1000000558 |
| MAPP <sup>®</sup> gas 1" US, 750 ml                | 12  | 0.9   | 35698      |
| MAPP <sup>®</sup> gas 7/16" EU, 800 ml             | 12  | 0.9   | 035521-A   |
| Oxygen steel cylinder, disposable, 950 ml, 110 bar | 12  | 1.33  | 35750      |

| Model   |  | No.        |
|---|---|------------|
| Pressure regulator 1" US f. MAPP <sup>®</sup> / LPG | 0.38  | 1000000620 |
| Pressure regulator M10 x 1 f. oxygen                | 0.35  | 1000000629 |

### ALLGAS 2000 PS 0.5 / 2 Basic

#### Portable fitter's brazing equipment

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



#### KEY FEATURES

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

Space saving storage  
in service vehicles!



The bottle colors shown are without obligation!  
Fig. similar

**18-part set (No. 35651) includes:** ALLGAS 2000 handle (No. 35303), propane hose, 2.5 m (No. 32201), oxygen hose, 2.5 m (No. 35210), propane regulator adjustable 0 - 6 bar (No. 242206000), oxygen pressure reducer 10 bar (No. 35634), mixing burners with union nut (No. 35304), welding tips 0.2 - 1.0 mm (No. 35305) / 1.0 - 2.0 mm (No. 35306) / 2.0 - 3.0 mm (No. 35307) / 3.0 - 4.0 mm (No. 35308) / 4.0 - 5.0 mm (No. 35309), welding tip holder / spanner (No. 35312) multi-size spanner (No. 35738), safety igniter (No. 32077), replacement flints (No. 32088), steel oxygen cylinder 2.0 l, filled (No. 35635), propane cylinder 0.5 kg, empty (No. 33079), ALLGAS stand (No. 35628)

| Model                                   | kg   | No.   |
|---|------|-------|
| ALLGAS 2000 PS 0.5 / 2 Basic set        | 14.4 | 35651 |
| Further accessories can be found on 172 |      |       |

### ROXY 400 L

#### Standard gas-welding equipment for flame temperatures up to 3,100 °C

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



Space saving storage  
in service vehicles!



The bottle colors shown are without obligation!  
Fig. similar

**19-part set (No. 035780X) includes:** handle with fine regulating valve (No. 35580), Maxigas 400 (No. 035570-A), oxygen cylinder 2.0 L (No. 35635), fine regulating valve (No. 263003700), oxygen pressure reducer according to DIN 0-315 / 200 bar 0-16 / 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                       | kg    | No.       |
|-----------------------------|-------|-----------|
| ROXY 400 L, complete        | 10.80 | 035780X   |
| ROXY 400 L without oxygen   | 6.0   | 35782     |
| Welding-handle, M14x1       | 0.12  | 35580     |
| Dual hose set 3 m           | 0.95  | 35785     |
| Micro-tip adaptor           | 0.01  | 35585     |
| Micro-tip 0.4 mm            | 0.01  | 35695     |
| Micro-tip 0.5 mm            | 0.02  | 35696     |
| Micro-tip 0.6 mm            | 0.02  | 35697     |
| Micro-tip 0.7 mm            | 0.02  | 35713     |
| High-performance tip 0.7 mm | 0.06  | 263005800 |
| High-performance tip 1.2 mm | 0.04  | 263005700 |
| High-performance tip 1.5 mm | 0.04  | 263005600 |
| High-performance tip 2.0 mm | 0.04  | 263005400 |



# Bonding

## Three-gas welding

### RE 17 three-gas system AMS 5/5

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!

The bottle colors shown are without obligation! Fig. similar

**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, 5m (No. 35222), acetylene pressure reducer 1.5 bar (No. 35794), oxygen pressure reducer 10 bar (No. 35634), 2x red (No. 511428) / 2x 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                          | kg | No.          |
|--------------------------------|----|--------------|
| RE 17 three-gas system AMS 5/5 | 50 | <b>35400</b> |

### RE 17 three-gas system AMS 5 and 10

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



Including dual-telescoping  
transport trolley!

The bottle colors shown are without obligation! Fig. similar

**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), 2x red (No. 511428) / 2x 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                             | kg | No.          |
|-----------------------------------|----|--------------|
| RE 17 three-gas system AMS 5 + 10 | 23 | <b>35403</b> |

### 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!

The bottle colors shown are without obligation! Fig. similar

**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), 2x red (No. 511428) / 2x 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                            | kg | No.          |
|----------------------------------|----|--------------|
| RE 17 three-gas system AMS 10/10 | 66 | <b>35401</b> |





### RE 17 UNIVERSAL pipe welding set

For welding, cutting, brazing and warming up  
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   | kg   | No.          |
|---|------|--------------|
| RE 17 pipe welding set  | 4.3  | <b>35479</b> |
| RE 17 pipe welding set  | 4.8  | <b>35480</b> |
| as in set (No. 35479), but also including with welding attachments 0.5 - 1.0 mm (No. 35325) / 1 - 2 mm (No. 35326), cutting tip 12 - 25 mm (No. 35341) / 25 - 50 mm (No. 35344) | 1.70 | <b>35800</b> |
| RE 17 handle with burner coupling nut   | 0.47 | <b>35324</b> |
| Coupling: oxygen G 1/4" RH, gas G 3/8" LH   |      |              |



No. 35480

Fig. similar



No. 35324

### RE 17 welding attachments

|                    | Welding range mm | g   | No.          |
|--------------------|------------------|-----|--------------|
| Welding attachment | 0.5 - 1.0        | 140 | <b>35325</b> |
| Welding attachment | 1.0 - 2.0        | 150 | <b>35326</b> |
| Welding attachment | 2.0 - 4.0        | 170 | <b>35327</b> |
| Welding attachment | 4.0 - 6.0        | 190 | <b>35328</b> |
| Welding attachment | 6.0 - 9.0        | 220 | <b>35329</b> |
| Welding attachment | 9.0 - 14.0       | 260 | <b>35334</b> |



7

### RE 17 welding attachments, bendable

Pipe welding attachment, complete

Flexible copper tips

| Welding range mm | g   | No.          | Welding range mm | g  | No.          |
|------------------|-----|--------------|------------------|----|--------------|
| 2.0 - 4.0        | 140 | <b>35347</b> | 1.0 - 2.0        | 40 | <b>35475</b> |
| 4.0 - 6.0        | 150 | <b>35348</b> | 2.0 - 4.0        | 40 | <b>35476</b> |
|                  |     |              | 4.0 - 6.0        | 50 | <b>35477</b> |

Pipe welding attachment, front piece



Pipe welding attachment, complete

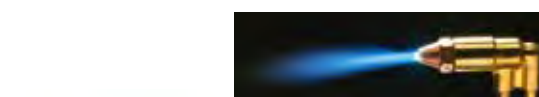


### RE 17 wing-lever cutting attachment

| Model                           | g   | No.          |
|---------------------------------|-----|--------------|
| Cutting attachment without tips | 820 | <b>35338</b> |

### RE 17 cutting tips and heating burners

| Model           | Cutting range mm | g  | No.          |
|-----------------|------------------|----|--------------|
| Cutting tip     | 12 - 25          | 10 | <b>35341</b> |
| Cutting tip     | 25 - 50          | 20 | <b>35344</b> |
| Cutting tip     | 50 - 100         | 20 | <b>35345</b> |
| Heating burners | 12 - 100         | 50 | <b>35339</b> |



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

| L<br>m | Inlet     | Outlet    | Internal Ø x<br>Wall thickness | kg  | No.          |
|--------|-----------|-----------|--------------------------------|-----|--------------|
| 2.5    | G 1/4" RH | G 1/4" RH | 4 x 3.5                        | 0.5 | <b>35210</b> |
| 5.0    | G 1/4" RH | G 1/4" RH | 4 x 3.5                        | 1.1 | <b>33311</b> |

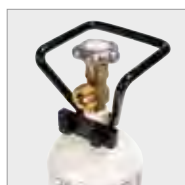
### Dual hoses A/O

| L<br>m | Inlet/Outlet<br>Oxygen | Inlet/Outlet<br>Acetylene | Interior Ø x<br>Wall thickness | kg  | No.          |
|--------|------------------------|---------------------------|--------------------------------|-----|--------------|
| 2.5    | G 1/4" RH              | G 3/8" LH                 | 6.3 x 3.5                      | 0.9 | <b>35221</b> |
| 5.0    | G 1/4" RH              | G 3/8" LH                 | 6.3 x 3.5                      | 2.0 | <b>35222</b> |
| 10     | G 1/4" RH              | G 3/8" LH                 | 6.3 x 3.5                      | 3.8 | <b>35223</b> |



### Lightweight steel cylinders, filled

With cylinder valve and cap (5 l and 10 l), TÜV tested in accordance with TRGI



Protective bracket included in delivery for steel cylinders without cap,



The bottle colors shown are without obligation! Fig. similar

| Model     | Contents | Filling pressure<br>bar | Height<br>mm | Ø<br>mm |    | kg   | No.          |
|-----------|----------|-------------------------|--------------|---------|----|------|--------------|
| Oxygen    | 950 ml   | 110                     | 340          | 70      | 12 | 1.33 | <b>35750</b> |
| Oxygen    | 2 l      | 200                     | 420          | 110     |    | 4.6  | <b>35635</b> |
| Oxygen    | 5 l      | 200                     | 595          | 145     |    | 14.0 | <b>35188</b> |
| Oxygen    | 10 l     | 200                     | 980          | 145     |    | 17.0 | <b>35189</b> |
| Acetylene | 5 l      | 18                      | 595          | 145     |    | 13.0 | <b>35178</b> |
| Acetylene | 10 l     | 18                      | 980          | 145     |    | 23.0 | <b>35179</b> |

### Cylinder transport trolley


Portable and mobile, for 5 and 10 l acetylene / oxygen cylinders, 5 kg and 12 kg propane cylinders can be used with conversion kit (special accessory). Coupling for disposable Maxigas 400 cartridges, dual-telescoping for different cylinder heights, brackets for ALLGAS and RE 17 steel cases



| Model  | kg  | No.          |
|--|-----|--------------|
| Transport trolley for<br>5 / 10 l acetylene / oxygen cylinders | 8.9 | <b>35354</b> |

### 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<br>bar | Working pressure<br>bar | Inlet     | Outlet    |  kg | No.          |
|--------------------------|-------------------------|-----------|-----------|--|--------------|
| Oxygen                   |                         |           |           |  |              |
| 0 - 200                  | 0 - 10                  | G 3/4" RH | G 1/4" RH | 1.4  | <b>35634</b> |
| Acetylene                |                         |           |           |  |              |
| 0 - 40                   | 0 - 1.5                 | Bow       | G 3/8" LH | 1.6  | <b>35794</b> |



### 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<br>pressure | Coupling  |  g | No.               |
|---------------------------|--------------------------|-----------|---|-------------------|
| Handle-mounted, oxygen    | 25.0 bar                 | G 1/4" RH | 150   | <b>540360</b>     |
| Handle-mounted, acetylene | 1.5 bar (ace)            | G 3/8" LH | 160   | <b>540365</b>     |
|                           | 5.0 bar (propane/CNG)    |           |   |                   |
| Reducer-mounted, oxygen   | 25.0 bar                 | G 1/4" RH | 120   | <b>1000000633</b> |
| Handle, oxygen            | 20.0 bar                 | G 1/4" RH | 100   | <b>1000000764</b> |
| Handle, fuel gas          | 1.5 bar (ace)            | G 3/8" LH | 100   | <b>1000000762</b> |
|                           | 4.0 bar (propane/CNG)    |           |   |                   |



### Protective rubber cap


With slot, open

| Model                          | Color  |  g | No.           |
|--------------------------------|--------|---|---------------|
| For oxygen pressure reducer    | blue   | 50  | <b>511427</b> |
| For acetylene pressure reducer | yellow | 50  | <b>511428</b> |



### Oxygen refilling bend


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

| Model                                  |  g | No.          |
|--|---|--------------|
| max. 200 bar, cylinder coupling G 3/4" | 360   | <b>35199</b> |

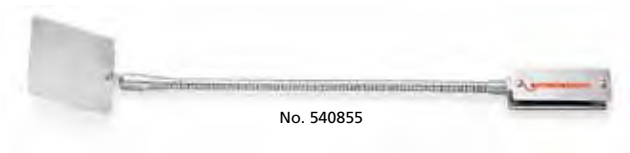


### Safety igniters

Powerful spark, wear-free hard alloy friction surface

| Model                           |  g | No.          |
|---------------------------------|---|--------------|
| Safety igniter                  | 60  | <b>32077</b> |
| Replacement flints, tin, 5 pcs. | 15  | <b>32088</b> |





Magnet welding mirror

| Model                                 | g   | No.    |
|---------------------------------------|-----|--------|
| With flexible metal tube / ball joint | 450 | 540855 |
| Spare steel mirror                    | 50  | 540851 |



Burners cleaner

| Model                                     | g  | No.    |
|---|----|--------|
| Burners cleaner, in folding case, 11 pcs. | 20 | 510105 |



Torch spanner

| Model                | g   | No.    |
|----------------------|-----|--------|
| With 10 wrench sizes | 210 | 510106 |



Soldering flux and container for hydrochloric acid

| Model  | g  | No.    |
|--|----|--------|
| With screw cap retaining band for 150 ml content | 40 | 530250 |



Welding goggles EN 166

With thermal glasses as per EN 169

| Model                       | Glas                   | g  | No.    |
|-----------------------------|------------------------|----|--------|
| Nylon safety goggles        | A 4                    | 60 | 540620 |
|                             | A 5                    | 60 | 540621 |
|                             | clear, non-splintering | 60 | 540622 |
| Replacement glass (pair)    | A 4                    | 30 | 540625 |
|                             | A 5                    | 10 | 540626 |
|                             | clear, non-splintering | 30 | 540627 |
| Screw-ring safety goggles   | A 4                    | 90 | 540640 |
| Replacement glass (Ø 50 mm) | A 4                    | 30 | 540675 |




### ROVLIES cleaning pads

Metal-free, for fast, score-free cleaning of copper pipe soldering surfaces

#### KEY FEATURES

- Reduced corrosion damage
- No metal abrasion, can be used wet or dry
- Removes oxide layers, corrosion, surface dirt, oil and grease residues
- Solvent-resistant and flexible

| Model                             |  | No.            |
|-----------------------------------|---|----------------|
| ROVLIES (10 pcs.)                 | 80  | <b>45268</b>   |
| ROVLIES counter display (36 pcs.) | 2,180   | <b>045268D</b> |



### Internal brushes for copper pipe

For fast cleaning of the soldering surface with rugged plastic handle






|  |  | No.           |  |  | No.           |
|---|---|---------------|---|---|---------------|
| mm  | g   |               | mm  | g   |               |
| 12  | 80  | <b>854181</b> | 22  | 140   | <b>854186</b> |
| 15  | 100   | <b>854183</b> | 28  | 140   | <b>854187</b> |
| 18  | 120   | <b>854185</b> |   |   |               |



Fig. similar

### Hand wire brushes

| Model          | Number of rows |  | No.           |
|----------------|----------------|---|---------------|
| Standard steel | 3 rows         | 130   | <b>561351</b> |




### Welding blanket

Flame and heat resistant up to 840 °C

- Permanent heat resistance up to 700 °C by direct flame contact and molten slag
- Good formability, long service life, asbestos-free and poses no health hazard
- Bonded edges

Thickness: 2.8 mm  
Weight: 1,600 g/m<sup>2</sup>




| Model           | L x W x H        |  | No.          |
|-----------------|------------------|---|--------------|
| Welding blanket | 500 x 330 x 3 mm | 300   | <b>31050</b> |

### Flame reflectors

- Made of high-quality stainless steel
- Protects surrounding materials
- Better heat utilisation, saves time and energy



| Model   | Width mm | Adaptor Ø mm |  | No.          |
|---------|----------|--------------|---|--------------|
| 65 / 15 | 65       | 8 – 15       | 100   | <b>31042</b> |
| 65 / 22 | 65       | 15 – 22      | 100   | <b>31043</b> |







### 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   |   |
| <b>S-Sn97Cu3</b>                   | 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 |
| <b>S-Sn97Ag3</b>                   | 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 flux according to EN 1045 | Recommended heat source   |
|--------------------------------------|----------------------------------|------------------|------------------------|--|------------------------------------|---|---------------------------------------|---|
|                                      |                                  |                  |                        | Pipe material                                | Fittings material                  | Flux  |                                       |   |
| <b>CuP 179</b>                       | Cu 94 / P 6                      | 710 - 890        | 760                    | Copper                                       | Copper<br>Gunmetal<br>Brass        | without flux<br>with flux                     | FH 10<br>or<br>LP 5                   | Cartridge torch with MAPP <sup>1)</sup> gas,<br>Propane / induced-air torch,<br>Acetylene / induced-air torch,<br>Larger pipe diameters above 28 mm with propane / oxygen torch with dispersion burners |
| <b>CuP 279</b>                       | Ag 2 / Cu 91,8 / P 6,2           | 645 - 825        | 740                    | Copper                                       | Copper<br>Gunmetal<br>Brass        | without flux<br>with flux                     | FH 10<br>or<br>LP 5                   |   |
| <b>CuP 281</b>                       | Ag 5 / Cu 89 / P 6               | 645 - 815        | 710                    | Copper                                       | Copper<br>Gunmetal<br>Brass        | without flux<br>with flux                     | FH 10<br>or<br>LP 5                   |   |
| <b>CuP 284</b>                       | Ag 15 / Cu 80 / P 5              | 645 - 800        | 700                    | Copper                                       | Copper<br>Gunmetal<br>Brass        | without flux<br>with flux                     | FH 10<br>or<br>LP 5                   |   |
| <b>Ag 134</b>                        | Ag 34 / Cu 36 / Zn 27,5 / Sn 2,5 | 630 - 730        | 710                    | Steel<br>Copper                              | Steel, Copper<br>Gunmetal<br>Brass | with flux<br>(U = sheathed from 22 mm pipe-Ø) | FH 10<br>or<br>LP 5                   |   |
| <b>Ag 145</b>                        | Ag 45 / Cu 27 / Zn 25,5 / Sn 2,5 | 640 - 680        | 670                    | Steel<br>Copper                              | Steel, Copper<br>Gunmetal<br>Brass | with flux<br>(U = sheathed from 22 mm pipe-Ø) | FH 10<br>or<br>LP 5                   |   |

### Soldered joints

| Material  | Required hard solder                              | Melting range   | Working temperature                            | 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 °C - 730 °C<br>710 °C - 890 °C<br>645 °C - 825 °C<br>645 °C - 815 °C<br>645 °C - 800 °C | 710 °C<br>760 °C<br>740 °C<br>710 °C<br>700 °C | 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 °C - 730 °C<br>640 °C - 680 °C  | 710 °C<br>670 °C                               | 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 °C - 890 °C<br>645 °C - 825 °C<br>645 °C - 815 °C<br>645 °C - 800 °C                    | 760 °C<br>740 °C<br>710 °C<br>700 °C           | 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 °C - 690 °C<br>595 °C - 630 °C  | 680 °C<br>610 °C                               | 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 °C - 890 °C<br>645 °C - 825 °C<br>645 °C - 815 °C<br>645 °C - 800 °C                    | 760 °C<br>740 °C<br>710 °C<br>700 °C           | 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 °C - 730 °C<br>640 °C - 680 °C  | 710 °C<br>670 °C                               | EN ISO 17672<br>(former DIN EN 1044) |


<sup>1)</sup> MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

### Fittings solders

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

#### Fitting solder 1 S

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

| Solder wire Ø | Description |  g | No.          |
|---------------|-------------|---|--------------|
| 2 mm          | 250 g coil  | 270   | <b>45252</b> |
| 3 mm          | 250 g coil  | 270   | <b>45250</b> |




No. 45252



No. 45257

#### Fitting solder 3

Quality soft solder, **S-Sn97Cu3**, melting range 230 °C - 250 °C, for use with ROSOL 3 fittings solder paste

| Solder wire Ø | Description |  g | No.          |
|---------------|-------------|--|--------------|
| 2 mm          | 250 g coil  | 270  | <b>45257</b> |
| 3 mm          | 250 g coil  | 270  | <b>45255</b> |

### 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



No. 45220




No. 45225

#### ROSOL 1 S

##### Fittings solder paste


Quality soft soldering flux, metal content: **S-Sn97Ag3**, only for use with fitting solder 1 S

| Model                             |  g | No.          |
|-----------------------------------|---|--------------|
| ROSOL 1 S in plastic bottle 250 g | 270   | <b>45220</b> |

#### ROSOL 3


##### Fittings solder paste

Quality soft soldering flux, metal content: **S-Sn97Cu3**, only for use with fittings solder 3

| Model                           |  g | No.          |
|---------------------------------|---|--------------|
| ROSOL 3 in plastic bottle 250 g | 270   | <b>45225</b> |

### Fittings soft solder flux

According to **EN ISO 9454-1-3114**, flux residues are 100 % water soluble, for joining copper pipes to copper, gunmetal, and brass fittings for hot and cold-water plumbing in accordance with DVGW worksheet GW 2 and GW 7, also suitable for general-purpose soldering work.

| Model  |  g | No.          |
|--|---|--------------|
| Fittings soft solder flux in plastic jar 35 ml | 35  | <b>45266</b> |





### Hard solder rings S 2

High-quality safety solder material with silver-phosphorus content, guaranteed according to EN ISO 17672, CuP 279

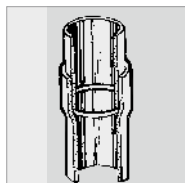
#### KEY FEATURES

- Ideal for capillary soldering with copper pipe installation in sanitary and heating systems
- Matched precisely to the inner pipe diameters of expanded sockets and fittings according to **EN 1254**
- Complete wetting of soldering gaps
- Particularly efficient working through precise solder quantity
- No preparatory or rework of the soldered joint

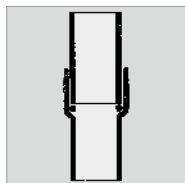
#### TECHNICAL DATA

|                            |   |
|----------------------------|---|
| <b>Alloy (weight %):</b>   | Ag 1.5 - 2.5 / P 5.9 - 6.5 / Cu rest                |
| <b>Melting range:</b>      | 650 °C - 810 °C                                     |
| <b>Joinable materials:</b> | Copper, gunmetal, brass, bronze                     |
| <b>Use of flux with:</b>   | Gunmetal, brass, bronze with hard solder paste LP 5 |
| <b>Package size:</b>       | 250 g plastic bag                                   |

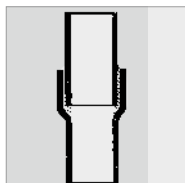
Simple insertion



Precise quantity of solder



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



| Model                          | approx. Content rings | g   | No.          |
|--------------------------------|-----------------------|-----|--------------|
| Hard solder rings S 2, Ø 14 mm | 268 pcs.              | 260 | <b>40514</b> |
| Hard solder rings S 2, Ø 15 mm | 244 pcs.              | 260 | <b>40515</b> |
| Hard solder rings S 2, Ø 28 mm | 79 pcs.               | 260 | <b>40528</b> |

### Hard solder paste LP 5

Flux for hard soldering at working temperatures above 600 °C, according to **EN 1045, type FH 10, DVGW tested Reg.-No. DV-0101-AT2245**, for gas and water installations with copper pipes, recommended by DVGW in accordance with worksheets GW 2 and GW 7, hard solders with silver content and usable with any basic materials of steel, copper and copper alloys, brass and gunmetal, working temperature range 500 °C - 800 °C, flux residues must be removed carefully

| Model                        | Content | g   | No.          |
|------------------------------|---------|-----|--------------|
| LP 5 in plastic bottle 160 g | 160 g   | 180 | <b>40500</b> |

### Hard solder powder HKM

Flux for hard soldering at working temperatures above 800 °C, according **EN 1045 - FH 21**, working temperature 800 °C - 1,100 °C, for copper and copper alloys, brass, gunmetal, nickel silver, bronze, steel and galvanised steel, grey iron and malleable cast iron, for welding copper and brass in dry conditions, can be mixed with clean water to form a paste, flux residues must be removed carefully. Free of boric acid.

| Model                 | Content | g  | No.          |
|-----------------------|---------|----|--------------|
| HKM in plastic bottle | 50 g    | 65 | <b>35611</b> |



## 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.

#### KEY FEATURES

- Non-foaming
- Heat-resistant up to 200 °C
- No flux required with copper / copper joints (except S34 and S45)
- Manufactured with new, environmentally compatible technology, corrosion neutral, scale-free, improved flow properties



### ROLOT S 94 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

|                             |                                   |
|-----------------------------|-----------------------------------|
| <b>Alloy (weight %):</b>    | Cu 94 / P6                        |
| <b>Melting range:</b>       | 710 - 890 °C                      |
| <b>Working temperature:</b> | 760 °C                            |
| <b>Joinable materials:</b>  | Copper, gunmetal, brass, bronze   |
| <b>Flux required with:</b>  | Gunmetal, brass, bronze with LP 5 |



| Content     | Squared section<br>mm | Length<br>mm | g     | No.          |
|-------------|-----------------------|--------------|-------|--------------|
| 1 kg carton | 2 x 2                 | 500          | 1,025 | <b>40094</b> |

### 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

|                             |   |
|-----------------------------|---|
| <b>Melting range:</b>       | 700 - 850 °C  |
| <b>Working temperature:</b> | 750 °C  |
| <b>Joinable materials:</b>  | Copper, gunmetal, brass, bronze                     |
| <b>Flux required with:</b>  | Gunmetal, brass, bronze with hard solder paste LP 5 |



| Content     | Square section<br>mm | Length<br>mm | g     | No.          |
|-------------|----------------------|--------------|-------|--------------|
| 1 kg carton | 2 x 2                | 500          | 1,025 | <b>40202</b> |

### 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

|                             |  |
|-----------------------------|--|
| <b>Alloy (weight %):</b>    | Ag 2 / Cu 91,8 / P 6,2                             |
| <b>Melting range:</b>       | 645 - 825 °C                                       |
| <b>Working temperature:</b> | 710 °C   |
| <b>Joinable materials:</b>  | Copper, gunmetal, brass, bronze                    |
| <b>Flux required with:</b>  | Gunmetal, brass, bronze with hard solder paste LP5 |



| Content     | Square section<br>mm | Length<br>mm | g     | No.          |
|-------------|----------------------|--------------|-------|--------------|
| 1 kg carton | 2 x 2                | 500          | 1,025 | <b>40212</b> |
| 1 kg carton | 3 x 3                | 500          | 1,025 | <b>40213</b> |


# Bonding

## Accessories soldering & welding



### 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

| Content     | Square section<br>mm | Length<br>mm |  g | No.          |
|-------------|----------------------|--------------|---|--------------|
| 1 kg carton | 2 x 2                | 500          | 1,025   | <b>40502</b> |

#### TECHNICAL DATA


|                             |  |
|-----------------------------|--|
| <b>Melting range:</b>       | 710 - 840 °C                                       |
| <b>Working temperature:</b> | 750 °C   |
| <b>Joinable materials:</b>  | Copper, gunmetal, brass, bronze                    |
| <b>Flux required with:</b>  | Gunmetal, brass, bronze with hard solder paste LP5 |



### 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

| Content     | Square section<br>mm | Length<br>mm |  g | No.          |
|-------------|----------------------|--------------|--|--------------|
| 1 kg carton | 2 x 2                | 500          | 1,025  | <b>40005</b> |

#### TECHNICAL DATA


|                             |  |
|-----------------------------|--|
| <b>Alloy (weight %):</b>    | Ag 5 / Cu 89 / P 6                                 |
| <b>Melting range:</b>       | 645 - 815 °C                                       |
| <b>Working temperature:</b> | 710 °C   |
| <b>Joinable materials:</b>  | Copper, gunmetal, brass, bronze                    |
| <b>Flux required with:</b>  | Gunmetal, brass, bronze with hard solder paste LP5 |



### ROLOT S 15

### 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

| Content     | Square section<br>mm | Length<br>mm |  g | No.          |
|-------------|----------------------|--------------|---|--------------|
| 1 kg carton | 2 x 2                | 500          | 1,025   | <b>40015</b> |

#### TECHNICAL DATA

|                             |  |
|-----------------------------|--|
| <b>Alloy (weight %):</b>    | Ag 15 / CU 80 / P 5                                |
| <b>Melting range:</b>       | 645 - 800 °C                                       |
| <b>Working temperature:</b> | 710 °C   |
| <b>Joinable materials:</b>  | Copper, gunmetal, brass, bronze                    |
| <b>Flux required with:</b>  | Gunmetal, brass, bronze with hard solder paste LP5 |



### 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

|                             |  |
|-----------------------------|--|
| <b>Alloy (weight %):</b>    | Ag 34 / Cu 36 / Zn 27.5 / Sn 2.5                                       |
| <b>Melting range:</b>       | 630 °C - 730 °C  |
| <b>Working temperature:</b> | 710 °C   |
| <b>Joinable materials:</b>  | Steel, malleable cast iron, copper, gunmetal, copper and nickel alloys |



| Content            |  mm |  g | S 34 U No.   |
|--------------------|--|---|--------------|
| 100 g plastic bag  | 2  | 110   | <b>44915</b> |
| 250 g plastic bag  | 2  | 260   | <b>44916</b> |
| 1000 g plastic bag | 2  | 1,010   | <b>44917</b> |



### 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

|                             |   |
|-----------------------------|---|
| <b>Alloy (weight %):</b>    | Ag 45 / Cu 27 / Zn 25.5 – 3.5 / Sn 2.5  |
| <b>Melting range:</b>       | 640 °C - 680 °C   |
| <b>Working temperature:</b> | 670 °C  |
| <b>Joinable materials:</b>  | Steel, malleable cast iron, copper, gunmetal, copper and nickel alloys, stainless steel |



| Content           |  mm |  g | S 45 U No.   |
|-------------------|--|---|--------------|
| 100 g plastic bag | 2  | 110   | <b>45055</b> |
| 250 g plastic bag | 2  | 260   | <b>45056</b> |







A close-up photograph of a hand in a dark jacket adjusting a blue-handled valve on a manifold. The manifold is a horizontal metal pipe with numerous red hoses connected to it. Each hose has a clear plastic pressure gauge or sensor attached. The background is a dark, textured wall.

# Testing and leak detection

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# Testing and leak detection

## System overview

### Precision testing pumps manual

**RP 50-S / RP 50-S INOX**



**TP 25**



**RP 30**



|                             |                       |                       |                       |
|-----------------------------|-----------------------|-----------------------|-----------------------|
| Testing and pressure range: | 0 - 60 bar            | 0 - 25 bar            | 0 - 30 bar            |
| Hub suction capacity:       | 45 ml / stroke        | 16 ml / stroke        | 16 ml / stroke        |
| Tank capacity:              | 12 l                  | 7 l                   | 4.5 l                 |
| Connection:                 | R1/2"                 | R1/2"                 | R1/2"                 |
| Dimension:                  | 495 x 165 x 255 mm    | 380 x 215 x 156 mm    | 440 x 200 x 240 mm    |
| Weight:                     | 8 kg                  | 4.6 kg                | 4.5 kg                |
| Material:                   | DURAMANT coated steel | DURAMANT coated steel | ABS plastic           |
| Valve:                      | Twin-valve            | Twin-valve            | –                     |
| Pressure gauge units:       | bar, psi, Mpa         | bar, psi              | bar, psi              |
| Suitable for:               | Oil, water and glycol | Oil, water and glycol | Oil, water and glycol |

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### Testing pumps electric

**RP PRO III**



### Analogue / digital testing device for gas and water connections

**ROTEST GW 150/4**



**ROTEST GW Digital V3**



|                             |                       |                        |                       |                          |
|-----------------------------|-----------------------|------------------------|-----------------------|--------------------------|
| Testing and pressure range: | 0 - 40 bar            | Pressure range:        | 0 - 180 mbar          | 0 - 1,000 mbar           |
| Flow rate:                  | 6 l / min.            | Low pressure sensor    | (resolution 0.1 mbar) | (resolution 0.1 mbar)    |
| Tank capacity:              | –                     | Pressure range:        | 0 - 4 bar             | 0 - 20 bar               |
| Connection:                 | R1/2"                 | High pressure sensor   | (resolution 0.1 bar)  | (resolution 0.01 bar)    |
| Dimensions:                 | 375 x 290 x 300 mm    | Leak rate measurement: | –                     | 0 - 12 L/h               |
| Weight:                     | 16 kg                 | Display resolution:    | –                     | 480 x 272                |
| Material:                   | ABS plastic           | Data transfer:         | –                     | WLAN, USB                |
| Valve:                      | Single valve          | Battery life time:     | –                     | Approx. 8 h testing time |
| Pressure gauge units:       | bar, psi, Mpa         | Safety class:          | –                     | IP40                     |
| Gauge characteristics:      | Glycerine cushioned   | Weight:                | 7.3 kg                | 5.25 kg                  |
| Suitable for:               | Oil, water and glycol |                        |                       |                          |

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### 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**

**Adjustment of the pressure gauge with 0.1 bar scaling is possible!**



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- A drag indicator displays the preset pressure so that a loss of pressure in the system can be detected easier
- Reliable and precise testing results: the dual-valve system (Twin Valve) enables self-testing of the pump as well as a precise fine adjustment of the pressure
- Especially precise reading as needed: finely scaled (scaling 0.1 bar) pressure gauge available separately
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Type 50-S: Weather and cold-resistant steel container with DURAMANT coating
- Type 50-S INOX: high-quality corrosion resistant stainless steel tank

##### TECHNICAL DATA

|                                    |   |
|------------------------------------|---|
| <b>Testing and pressure range:</b> | 0 - 60 bar, with 1 bar steps<br>0 - 860 psi, with 20 psi steps<br>0 - 6 MPa, with 0.1 MPa steps |
| <b>Hub suction capacity:</b>       | approx. 45 ml / stroke  |
| <b>Tank capacity:</b>              | 12 l  |
| <b>Dimensions (L x W x H):</b>     | 495 x 165 x 255 mm  |
| <b>Connection:</b>                 | R 1/2"  |
| <b>Container RP 50-S:</b>          | Steel, DURAMANT coated  |
| <b>Container RP 50-S INOX:</b>     | Stainless steel   |

#### Testing hose with steel mesh

Precise measurement

#### 5 year warranty against corrosion

Extrem durable DURAMANT coating

#### Warp-resistant and lockable lever

Ergonomic handle serves as carrying grip too

#### Additional pressure gauge with fine scaling 0.1 bar optional

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

#### Hook to fix the handle

Improved carrying comfort

#### TWIN VALVE-System

Two valves for double safety while testing the system

**INOX**

No. 60200

No. 60203

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                                       | kg |   | No.   |
|---|----|---|-------|
| RP 50-S testing pump                        | 8  | 1 | 60200 |
| RP 50-S INOX (stainless steel) testing pump | 8  | 1 | 60203 |

#### ACCESSORIES

| Model                      | g   | No.   | Model                                   | g   | No.      |
|----------------------------|-----|-------|---|-----|----------|
| Maintenance package        | 100 | 60201 | High pressure hose with 1/4" connection | 490 | R6112500 |
| Double nipple 1/2" to 3/4" | 100 | 60999 | Extra 16 bar pressure gauge             | 100 | 61316    |



# Testing and leak detection

## Testing of water lines and containers

### RP PRO III

Self-priming electric testing pump up to 40 bar



| Product profile   |
|---|
| <b>APPLICATION AREA</b>   |
| Electrical testing pump for the automatic pressure testing of piping and containers up to 40 bar in accordance with national and international standards  |
| <b>KEY FEATURES</b>   |
| <ul style="list-style-type: none"> <li>● Comfortable, automatic filling and pressure testing of piping and containers</li> <li>● Compact and robust plastic casing for simple handling at the building site</li> <li>● 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</li> <li>● Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation</li> <li>● Glycerine cushioned pressure gauge absorbs pressure surges which makes pressure reading easier</li> </ul> |

| 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 |
| Flow Rate:                  | max. 6 l / min  |
| Dimensions (L x W x H):     | 375 x 290 x 300 mm  |
| Connection:                 | R 1/2"  |
| Mains voltage:              | 220 - 240 V / 50 HZ and<br>110 V / 50 - 60 HZ                                       |
| Performance:                | 1.3 kW  |
| Container:                  | ABS-plastic   |

Valve for pressure adjustment

Precise 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

No. 61185

| Model   | kg   | 110 V     | 220 V |
|---|------|-----------|-------|
| Testing pump RP PRO III self-priming with power cable, high-pressure hose and 1/2" connection, filling hose | 16.0 | V12110016 | 61185 |
| Filling hose with adaptor   | 0.5  |           | 61001 |
| Testing hose with R 1/2" connection   | 0.4  | V12102000 |       |
| Maintenance package RP PRO III in scope of delivery   |      |           | 61186 |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries



# Testing and leak detection

## Testing of water lines and containers

### TP 25

Small, robust precision testing pump for pressure testing up to 25 bar



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- Reliable and precise testing results: the dual-valve system (Twin Valve) enables self-testing of the pump, as well as a precise fine adjustment of the pressure
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Weather and cold-resistant steel container with DURAMANT coating

##### TECHNICAL DATA

**Testing and pressure range:** 0 - 25 bar  
**Hub suction capacity:** approx. 16 ml / stroke  
**Dimensions (L x W x H):** 380 x 215 x 156 mm  
**Connection:** R 1/2"  
**Container:** Steel, DURAMANT coated



For the daily work on site



| Model                     | Pressure range | kg  | No. |
|---------------------------|----------------|-----|-----|
| Testing pump TP 25        | up to 25 bar   | 4.6 | 1   |
| Maintenance package TP 25 |                |     |     |

### RP 30

Simple and light testing pump for compression testing up to 30 bar



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- 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

**Testing and pressure range:** 0 - 30 bar, with 1-bar steps  
 0 - 440 psi, with 20 PSI steps  
**Hub suction capacity:** 16 ml / stroke  
**Dimensions (L x W x H):** 440 x 200 x 240 mm  
**Connection:** R 1/2"  
**Container:** ABS-plastic



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



| Model                                   | Pressure range | kg  | No. |
|---|----------------|-----|-----|
| Testing pump RP 30                      | up to 30 bar   | 4.5 | 1   |
| High pressure hose with 1/4" connection | 0.4            |     |     |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
 RO SERVICE+ only valid in participating countries

# Testing and leak detection

## Testing of gas and water lines

### ROTEST GW Digital V3

Leakage testing system for gas and water lines with large 4.3" touchscreen display for an easy handling and integrated documentation of all tests up to 20 bar.

Only available in Germany, Austria & Italy



#### Product profile

##### KEY FEATURES

- 4.3" Touchscreen or physical buttons for an easy handling
- Pressure and leakage testing for gas pipelines according to TRGI 2018
- Leak rate measurement for gas pipelines according to TRGI 2018 and DVGW 5952
- Pressure and leakage testing for drinking water pipelines according to DIN EN 806-4
- Testing of gas pressure regulators
- Long-term measurement up to 72 hours
- RODATA Software and RODATA App for documentation and data management of all test results

##### TECHNICAL DATA

|                               |   |
|-------------------------------|---|
| <b>Display resolution:</b>    | 480 x 272   |
| <b>Data transfer:</b>         | USB, WiFi   |
| <b>Battery life time:</b>     | approx. 8 h testing time, mains operation possible                      |
| <b>Pressure range:</b>        |   |
| <b>Low pressure sensor:</b>   | Pressure range 0 – 1,000 mbar (resolution 0.1 mbar / hPa)               |
| <b>High pressure sensor:</b>  | Pressure range 0 - 20 bar / 0 - 2 MPa (resolution 0.01 bar / 0.001 MPa) |
| <b>Leak rate measurement:</b> | Leak rate 0 – 12 l / h (resolution 0.1 l / h)                           |
| <b>Safety class:</b>          | IP40  |
| <b>Weight:</b>                | 5.25 kg   |

Only available in Germany, Austria and Italy!

#### WiFi transmitter

Easy data transfer to mobile devices and PCs

#### 4.3" Touchscreen

Easy and clear handling



#### All-in-One

High- and low-pressure sensor from 1 mbar/hPa up to 20 bar / 2 MPa in one device



No. 1500002677

Pressure and leakage testing for gas pipelines according to TRGI 2018



Testing of gas pressure regulators



Set (No. 1500002677) includes:

GW Digital basic unit incl. power plug, software disk with RODATA V3 software (No. 1500002851), 2x hose 2m low pressure (No. 1500002846), 1x hose 2m high pressure + shut-off valve (No. 1500002845), 2x gas test plug cylindrical size 2 (No. 351272), 2x adaptor 1/2" to NW5 plug (No. 1500002876), adaptor 1/8" to NW5 plug (No. F84215), adaptor nozzle pressure to NW5 plug (No. 61018), air pump (No. 1500002848), double bellow (No. 1500002847), shut-off valve NW5 (No. 61017), supply end cap (No. 61041)

Model

No.

ROTEST GW Digital V3 – Set gas / water

1500002677

Only available in Germany, Austria & Italy

# Testing and leak detection

## Testing of gas and water lines

### ROTEST GW Digital V3 - RoData V3 PC-Software

PC software for data management of all tests carried out



#### Product profile

##### KEY FEATURES

- Creation of a log with graphical representation of the test process
- Management of measurement data – overview of all measurements stored per customer
- Customer administration – import of VCard files (.vcf) possible
- Testing management – clear allocation of one employee per test
- Data transmission via USB cable or WiFi connection possible

##### TECHNICAL DATA

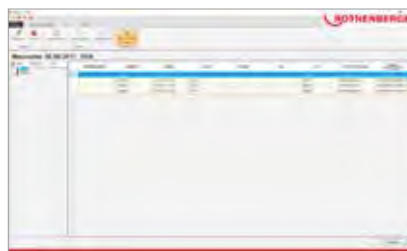
**RoData V3 PC-Software:**

**Compatibility:** Windows 2000, XP, 7, 8, 10

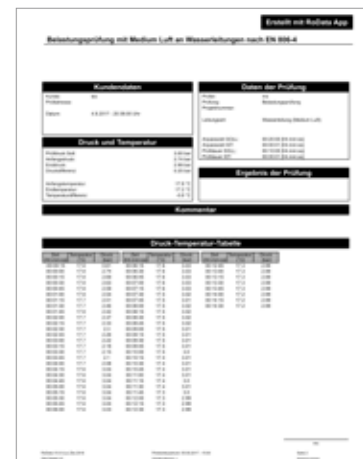
**Size:** 16.2 MB



Overview of measurement series with graph



Management of measurement series = RoData V3



Sample log according to DIN EN 806-4 with diagram

### ROTEST GW Digital V3 - RoData Mobile App

App for the data management of all tests carried out

8

#### Product profile

##### KEY FEATURES

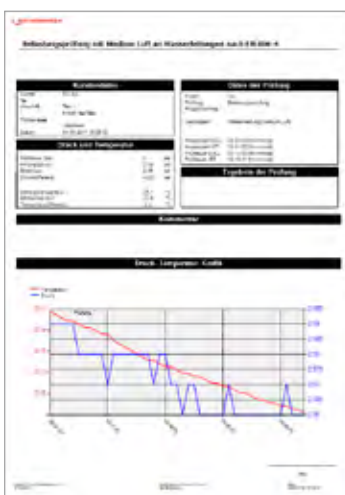
- Simple, quick and professional documentation
- Log ready for immediate use as a PDF
- Suitable for iOS and Android devices
- Measurement data transfer via WiFi
- User-defined company profile set-up in the log
- Ready-made logs for various measurement types (leak testing, usability testing, etc.)

##### TECHNICAL DATA

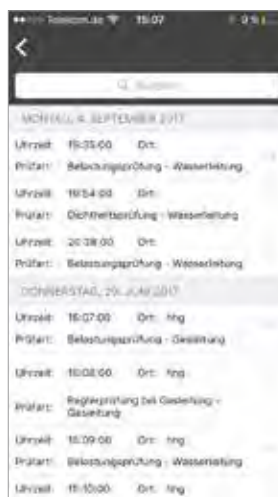
**RoData Mobile App:**

**Compatibility:** iOS 8.0 or newer, Android 4.4 or newer

**Size:** 11 MB



Sample log according to DIN EN 806-4 with measurement value table



Measurement overview  
RoData Mobile App



Start screen RoData Mobile App

# Testing and leak detection

## Testing of gas and water lines

### ROTEST GW 150/4

Analogue testing device for gas and water connections using air as the medium



**Product profile**

**APPLICATION AREA**

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)

**KEY FEATURES**

- 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

**TECHNICAL DATA**

**Pressure gauge:** 4 bar / 0.4 MPa

**Water column:** 180 mbar / hPa

**Testing accuracy:** Water column 0.1 mbar / hPa (Reading accuracy in accordance with TRGI)

Pressure gauge 0.1 bar / 0.01 MPa (Display range 0 - 4 bar / 0 - 0.4 MPa)

**DVGW-TRGI worksheet G 600 (October 2018) conforming!**

8

**Legible scaling**

Continuous scaling up to 150 mbar

**Measurement chart in unit**

Testing times and testing pressure from lawmakers at a glance

**Inspection glass**

Water level control

**Foam inlay**

High transport safety and protection of the components

**Compact measuring station**

Designed to serve in real-life situations through quick, exact gas pressure measurements

Testing scale up to 150 mbar on transparent extending tube element



Transparent tube element with double o-ring seal




| Model in combination with basic unit     | kg  | No.   |
|--|-----|-------|
| with 5 test plugs and supply end cap     | 7.6 | 61700 |
| with 5 test plugs without supply end cap | 7.3 | 61701 |



# Testing and leak detection

## Testing of gas and water lines


### Set components


| Model                                   |  | No.               |
|---|---|-------------------|
| Pressure pump ROTEST GW 150/4           | 0.30  | <b>61011</b>      |
| Bellow f. ROTEST GW 150/4               | 0.06  | <b>61014</b>      |
| Shut-off valve NW5 socket/plug          | 0.20  | <b>61017</b>      |
| Adaptor nozzle pressure to NW5 plug     | 0.20  | <b>61018</b>      |
| O-ring set (6 pcs.) GW 150/4            | 0.04  | <b>61030</b>      |
| Supply End Cap f. ROTEST GW 150/4       | 0.38  | <b>61041</b>      |
| 1/8" adaptor to NW5 plug                | 0.10  | <b>F84215</b>     |
| 1/2" adaptor to NW5 plug                | 0.50  | <b>1500002876</b> |
| Tube element (4 pcs.) GW 150/4          | 1.10  | <b>61702</b>      |
| Measurement fluid, blue, GW 150/4       | 0.10  | <b>351257</b>     |
| Hose 2 m high pressure + shut-off valve | 0.20  | <b>1500002845</b> |
| Hose 2 m low pressure ROTEST GW         | 0.20  | <b>1500002846</b> |
| Double bellow GW Digital V3             | 0.10  | <b>1500002847</b> |
| Air pump GW Digital v3                  | 0.14  | <b>1500002848</b> |
| CD RODATA V3 for ROTEST GW Digital V3   | 0.02  | <b>1500002851</b> |
| Shut-off valve NW5 socket/socket        | 0.17  | <b>1500002852</b> |





### Gas test plug / adaptor


Suitable for gas lines up to 1.5 bar


| Model                                   | Steel exterior<br>pipe Ø inch | Copper exterior<br>pipe Ø mm |  | No.           |
|---|-------------------------------|------------------------------|---|---------------|
| Conical shape with pneumatic connection |                               |                              |   |               |
| Size 0                                  | 3/8 - 1/2"                    | 15 - 18                      | 45  | <b>351260</b> |
| Size 1                                  | 1/2 - 1"                      | 22 - 28                      | 80  | <b>351261</b> |
| Size 2                                  | 3/4 - 1.1/4"                  | 35 - 42                      | 125   | <b>351262</b> |
| Size 3                                  | 1.1/4 - 2"                    | 54 - 64                      | 175   | <b>351263</b> |

| Model                                       | Steel exterior<br>pipe Ø inch | Copper exterior<br>pipe Ø mm |  | No.           |
|---|-------------------------------|------------------------------|---|---------------|
| Cylindrical shape with pneumatic connection |                               |                              |   |               |
| Size 1                                      | 3/4"                          | 22                           | 60  | <b>351271</b> |
| Size 2                                      | 1"                            | 28                           | 75  | <b>351272</b> |

| Model                            | Steel exterior<br>pipe Ø inch | Copper exterior<br>pipe Ø mm |  | No.           |
|----------------------------------|-------------------------------|------------------------------|---|---------------|
| Conical shape with hose coupling |                               |                              |   |               |
| Size 0                           | 3/8 - 1/2"                    | 15 - 18                      | 200   | <b>351220</b> |
| Size 1                           | 1/2 - 1"                      | 22 - 28                      | 300   | <b>351221</b> |
| Size 2                           | 3/4 - 1.1/4"                  | 35 - 42                      | 300   | <b>351222</b> |
| Size 3                           | 1.1/4 - 2"                    | 54 - 64                      | 400   | <b>351223</b> |

| Model                            | Steel exterior<br>pipe Ø inch | Copper exterior<br>pipe Ø mm |  | No.           |
|----------------------------------|-------------------------------|------------------------------|---|---------------|
| Conical shape with 2 ball valves |                               |                              |   |               |
| Size 1                           | 1/2 - 1"                      | 22 - 28                      | 260   | <b>351231</b> |
| Size 2                           | 3/4 - 1.1/4"                  | 35 - 42                      | 420   | <b>351232</b> |
| Size 3                           | 1.1/4 - 2"                    | 54 - 64                      | 700   | <b>351233</b> |

| Model                           | Steel exterior<br>Pipe Ø inch | Copper exterior<br>Rohr Ø mm |  | No.           |
|---------------------------------|-------------------------------|------------------------------|---|---------------|
| Conical shape with 1 ball valve |                               |                              |   |               |
| Size 0                          | 3/8 - 1/2"                    | 15 - 18                      | 200   | <b>351225</b> |
| Size 1                          | 1/2 - 1"                      | 22 - 28                      | 350   | <b>351226</b> |
| Size 2                          | 3/4 - 1.1/4"                  | 35 - 42                      | 390   | <b>351227</b> |
| Size 3                          | 1.1/4 - 2"                    | 54 - 64                      | 600   | <b>351228</b> |

| Model                                     |  | No.           |
|---|---|---------------|
| With double plug valve - with hose snout  |   |               |
| Adaptor/cut-off valve with pn. connection | 290   | <b>351265</b> |



# Testing and leak detection

## Testing of waste water lines

### ROLEAK Aqua 3Plus

Easy to use leak detection device with acoustic signal for pipe systems

Product profile

KEY FEATURES

- Leak detection for various pipe materials
- Amolifies flow noise for exact detection of leaks



External groundmicrophone



Acoustic leak detection of heating installations



KEY FEATURES

- Digital wireless connection to headphones
- Possibility to connect an external microphone
- Bluetooth connection for a better and clear noise transmission to headphones. This also allows to control the volume with the handunit

TECHNICAL DATA

3-staged Frequency filter:

1. Stage:

0 - 540 Hz

2. Stage:

540 - 4.000 Hz

3. Stage:

0 - 4.000 Hz

Operating time:

ca. 15h Li-Ion Battery

Weight:

250 g (Handheld device)

Level of protection:

IP 41

Improved sound compared with previous models!



6-parts Set (No. 1500003533) includes: basic unit, headphones, magnetic adaptor, 2 x extensionstick, tripod-adaptor, ROCASE 4414

| Model                     | kg  | No.        |
|---------------------------|-----|------------|
| ROLEAK Aqua 3Plus         | 3.1 | 1500003533 |
| External groundmicrophone | 0.5 | 1500003535 |

### ROTEST Electronic 4

#### Leak detection on gas lines



#### Product profile

##### APPLICATION AREA

For the detection of gas in room as well as leaks in pipes.  
Detects all flammable methane based gases

##### KEY FEATURES

- 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-proof soft case jacket and simple one-handed operation of the unit for use on the building site

##### 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 % (Methan)



Finds leaks easily



Set (No. 1000003199) includes:  
ROTEST Electronic 4, 2x AA battery in ROCASE 4212 (No. 1300003334)

| Model               | kg   | No.        |
|---------------------|------|------------|
| ROTEST Electronic 4 | 1.25 | 1000003199 |

### ROTEST

#### Leak detection on gas lines

#### Product profile

##### APPLICATION AREA

Ideal for detecting leaks in gas-filled lines, gas cylinders or containers. When a leak is present a blister forms.

##### KEY FEATURES

- Simple use - always ready to use
- Highly sensitive foaming spray for a quick and reliable locating of leaks

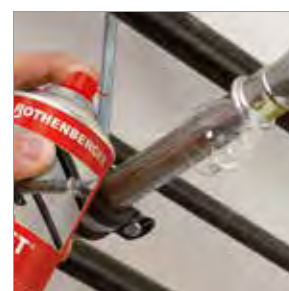
##### TECHNICAL DATA

Detects gases (for example natural gas, inflammable gas, air)  
The leak detection spray is neutral against the most common inflammable gases and refrigerants. The only reaction is the building of foam

**Highly sensitive foam spray:  
Quick and reliable location of leaks!**



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



| Model                       | Content | g   | kg | No.   |
|-----------------------------|---------|-----|----|-------|
| ROTEST leak detection spray | 400 ml  | 470 | 12 | 65000 |












# Freezing

|                       |           |
|-----------------------|-----------|
| System overview       | 196       |
| Freezing electric     |           |
| Pipe freezing systems | 196 - 199 |
| Freezing with gas     |           |
| Pipe freezing systems | 200 - 201 |

# Freezing

## System overview

| Freezing electric   |                           | Freezing with gas   |                           |   |  |
|---|---------------------------|---|---------------------------|---|--|
| <b>ROFROST Turbo R290<br/>1.1/4"</b>  |                           | <b>ROFROST Turbo R290<br/>2"</b>  |                           | <b>ROFROST<br/>CO<sub>2</sub> Set</b>   |  |
|  |                           |  |                           |  |  |
| <b>Working range Cu:</b>  | 10 - 42 mm (3/8 - 1.5/8") | 10 - 54 mm (3/8 - 2.1/8")   | 10 - 54 mm (3/8 - 2.1/8") |   |  |
| <b>Working range Fe:</b>  | 1/8 - 1.1/4"              | 1/8 - 2"  | 1/8 - 2"                  |   |  |
| <b>Reduction inserts:</b>   | up to 12 Stk.             | up to 15 Stk.   | up to 10 Stk.             |   |  |
| <b>Freezing hose:</b>   | 2.5 m                     | 2.5 m   | 2 m                       |   |  |
| <b>Refrigerant:</b>   | R290                      | R290  | CO <sub>2</sub> (R 744)   |   |  |
| <b>Page</b>   | <b>197</b>                | <b>198</b>  | <b>200</b>                |   |  |

### ROFROST Turbo R290 1.1/4" / ROFROST Turbo R290 2"

Pipe freezing system for copper, steel and stainless steel

#### Flexible refrigerant hoses

Work in confined spaces and store the hoses inside the unit

#### Simple clamping system

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 R290 1.1/4"**

Pipe freezing system for copper,  
steel and stainless steel

**Product profile****APPLICATION AREA**

Maintenance, repair and expansion work in sanitary and heating installations

**Copper pipes:** Ø 10 - 42 mm    ROFROST Turbo R290 1.1/4"  
                                 Ø 3/8 - 1.3/8"    ROFROST Turbo R290 1.1/4"

**Steel pipes:**            Ø 1/8 - 1.1/4"    ROFROST Turbo R290 1.1/4"

**KEY FEATURES**

- 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



Model



230 Volt 50 Hz

ROFROST Turbo R290 1.1/4"

with reduction inserts size II, III, V, VII, IX, XII (see ROFROST reduction insert overview) + heat conductive paste

23.5

1500003000

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries

# Freezing

## Freezing electric

### ROFROST Turbo R290 2"


Pipe freezing system for copper, steel and stainless steel



| Product profile  |                |                       |
|--|----------------|-----------------------|
| APPLICATION AREA   |                |                       |
| Maintenance, repair and expansion work in sanitary and heating installations |                |                       |
| Copper pipes:  | Ø 10 - 54 mm   | ROFROST Turbo R290 2" |
|  | Ø 3/8 - 2.1/8" | ROFROST Turbo R290 2" |
| Steel pipes:   | Ø 1/8 - 2"     | ROFROST Turbo R290 2" |

| KEY FEATURES  |
|---|
| ● 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  |



|  |   |                |
|--|---|----------------|
| Model  |  | 230 Volt 50 Hz |
| ROFROST Turbo R290 2"  |   |                |
| with reduction inserts size II, III, V, VII, IX, D, E, F (see ROFROST reduction insert overview) + heat conductive paste |   | 24.3           |
| Expansion set for ROFROST Turbo with reduction inserts size II, III, V, VII  |   | 1500003001     |
| additional sets upon request   |   | 62230          |



## ROFROST App

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



Application instructions

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 R290?

Next step

Imprint

Checklist for the freezing process

Freezing parameter

Freezing parameter  
Select the freezing parameter

ROFROST Turbo R290 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

Timer  
Start the freezing process with the following parameters:  
ROFROST Turbo R290 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

## ROFROST Turbo reduction inserts



## ROFROST Turbo 1.1/4" reduction inserts

| Size      | Nominal size Cu | Nominal size Cu | Nominal size Fe | g   | No.          |
|-----------|-----------------|-----------------|-----------------|-----|--------------|
| Size I    | 10 mm           | 3/8"            | 1/8"            | 190 | <b>62217</b> |
| Size II   | 12 mm           | 1/2"            | -               | 180 | <b>62211</b> |
| Size III  | 14/15 mm        | -               | 1/4"            | 170 | <b>62212</b> |
| Size IV   | 16 mm           | 5/8"            | -               | 170 | <b>62219</b> |
| Size V    | 18 mm           | -               | 3/8"            | 165 | <b>62213</b> |
| Size VI   | 20 mm           | 3/4"            | -               | 155 | <b>62224</b> |
| Size VII  | 22 mm           | 7/8"            | 1/2"            | 145 | <b>62214</b> |
| Size VIII | -               | 1"              | -               | 125 | <b>62226</b> |
| Size IX   | 28 mm           | -               | 3/4"            | 110 | <b>62215</b> |
| Size X    | -               | 1.1/8"          | -               | 90  | <b>62227</b> |
| Size XI   | 32 mm           | 1.1/4"          | -               | 80  | <b>62221</b> |
| Size XII  | 35 mm           | 1.3/8"          | 1"              | 65  | <b>62216</b> |



## ROFROST Turbo 2" reduction inserts

| Size   | Nominal size Cu | Nominal size Cu | Nominal size Fe | g   | No.          |
|--------|-----------------|-----------------|-----------------|-----|--------------|
| Size A | 28 mm           | -               | 3/4"            | 190 | <b>62231</b> |
| Size B | -               | 1.1/8"          | -               | 180 | <b>62232</b> |
| Size C | 32 mm           | 1.1/4"          | -               | 170 | <b>62233</b> |
| Size D | 35 mm           | 1.3/8"          | 1"              | 170 | <b>62234</b> |
| Size E | 42 mm           | -               | 1.1/4"          | 165 | <b>62235</b> |
| Size F | -               | -               | 1.1/2"          | 155 | <b>62236</b> |
| Size G | 54 mm           | 2.1/8"          | -               | 145 | <b>62237</b> |

The reduction insert size E, 42 mm serves as an adaptor piece for fitting ROFROST Turbo 1.1/4" reduction inserts size I – size XII

## ROFROST heat conductive paste



No. 62291

For a perfect freezing result



Heat conductive paste enables fully automatic freezing without spraying!

| Description                   | Contents | g   | No.          |
|-------------------------------|----------|-----|--------------|
| ROFROST heat conductive paste | 150 ml   | 130 | <b>62291</b> |

# Freezing

## Freezing with gas

### ROFROST CO<sub>2</sub> Set

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



| Product profile   |                                   |
|---|-----------------------------------|
| APPLICATION AREA  |                                   |
| Maintenance, repair and expansion work in sanitary and heating installation. No electrical connection required! |                                   |
| TECHNICAL DATA  |                                   |
| Copper pipes:   | Ø 10 mm - 54 mm<br>Ø 3/8 - 2.1/8" |
| Steel pipes:  | Ø 1/8 - 2"                        |

| KEY FEATURES  |
|---|
| ● 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  |



9


19-part set (No. 65030) includes: 2 handles with feed valves (No. 65032), 2 high pressure hoses (No. 65033), 10 pairs of freezer heads (2 for each pipe dimension), stopper for one-sided freezing (No. 65049), wrench (No. 65045), internal hexagonal screwdriver (No. 65046), T-piece (65034), plastic carrying case (65031)


| for copper pipes<br>Ø mm | for copper pipes<br>Ø inch | for steel pipes<br>Ø inch | kg  | No.   |
|--------------------------|----------------------------|---------------------------|-----|-------|
| 10 - 54                  | 1/2 - 2.1/8"               | 1/8 - 2"                  | 4.9 | 65030 |

Freezer Heads



### ROFROST Freezer Heads

| Size | for copper pipes<br>Ø mm | for copper pipes<br>Ø inch | for steel pipes<br>Ø inch |  g | No.          |
|------|--------------------------|----------------------------|---------------------------|---|--------------|
| 1    | 10 - 12                  | 1/2"                       | 1/8"                      | 60  | <b>65035</b> |
| 2    | 14 - 15                  | -                          | 1/4"                      | 60  | <b>65036</b> |
| 3    | 16 - 18                  | 5/8"                       | 3/8"                      | 70  | <b>65037</b> |
| 4    | 22                       | 3/4 - 7/8"                 | 1/2"                      | 70  | <b>65038</b> |
| 5    | 28                       | 1.1/8"                     | 3/4"                      | 110   | <b>65039</b> |

| Size | for copper pipes<br>Ø mm | for copper pipes<br>Ø inch | for steel pipes<br>Ø inch |  g | No.          |
|------|--------------------------|----------------------------|---------------------------|---|--------------|
| 6    | 35                       | 1.3/8"                     | 1"                        | 110   | <b>65040</b> |
| 7    | 42                       | 1.5/8"                     | 1.1/4"                    | 210   | <b>65041</b> |
| 8    | -                        | -                          | 1.1/2"                    | 210   | <b>65042</b> |
| 10   | -                        | -                          | 2"                        | 250   | <b>65044</b> |







# Inspection and locating

|                                      |           |
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| System overview                      | 204 - 205 |
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| ROSCOPE mini                         | 206       |
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# Inspection and locating

## System overview

### ROSCOPE family



#### ROSCOPE mini

##### ROSCOPE mini



##### Module TEC



#### ROSCOPE i2000 modules

##### Module 25/16



##### Module 25/22



##### Module ROLOC PLUS



|                            |                 |                 |                 |                 |                        |
|----------------------------|-----------------|-----------------|-----------------|-----------------|------------------------|
| <b>Application:</b>        | Hollow spaces   | Hollow spaces   | Ø 50-100 mm     | Ø 40-100 mm     | Locating of sondes     |
| <b>Display size:</b>       | 2.5"            | 3.5"            | 3.5"            | 3.5"            | 3.5"                   |
| <b>Touchscreen:</b>        | –               | ✓               | ✓               | ✓               | –                      |
| <b>Cable length:</b>       | 1.2 m           | 1 m             | 16 m            | 22 m            | –                      |
| <b>Cable-Ø:</b>            | 5.5 mm          | 9 mm            | 8.5 mm          | 5.5 mm          | –                      |
| <b>Camera head-Ø:</b>      | 8.5 mm          | 17 mm           | 25 mm           | 25 mm           | –                      |
| <b>Self levelling:</b>     | 180°            | ✓               | ✓               | –               | –                      |
| <b>Transmitter:</b>        | –               | –               | ✓               | –               | –                      |
| <b>Frequency:</b>          | –               | –               | 512 Hz          | –               | 512 Hz, 640 Hz, 33 kHz |
| <b>Picture format:</b>     | JPG             | JPG             | JPG             | JPG             | –                      |
| <b>Picture resolution:</b> | 320 x 240 pixel | 320 x 240 pixel | 640 x 480 pixel | 320 x 240 pixel | –                      |
| <b>Video format:</b>       | –               | AVI             | AVI             | AVI             | –                      |
| <b>Video resolution:</b>   | –               | 320 x 240 pixel | 320 x 240 pixel | 320 x 240 pixel | –                      |
| <b>Storage:</b>            | On-board        | SD-card         | SD-card         | SD-card         | –                      |
| <b>WiFi:</b>               | –               | ✓               | ✓               | ✓               | –                      |
| <b>Protocol feature:</b>   | –               | –               | –               | –               | –                      |
| <b>Audio-recording:</b>    | –               | ✓               | ✓               | ✓               | –                      |
| <b>Data handling:</b>      | –               | via app         | via app         | via app         | –                      |

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### ROCAM 4 Plus



**APP FOR SMARTPHONE AND TABLET**  
EDITING AND TRANSFERRING  
OF IMAGES AND VIDEOS.  
**AVAILABLE FOR iOS AND ANDROID!**



### ROCAM 4 Plus



**ROCAM 4 Plus  
30 m**



**ROCAM 4 Plus  
65 m**



**ROCAM 4 Plus  
mini module**



|                     |                 |                 |                 |
|---------------------|-----------------|-----------------|-----------------|
| 25 mm camera head:  | –               | –               | 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            | 8 m / 16 m      |
| Metre counter:      | ✓               | ✓               | ✓               |
| Cable-Ø:            | 7 mm            | 7 mm            | 5.5 mm          |
| Self levelling:     | ✓               | ✓               | –               |
| Transmitter:        | ✓               | ✓               | –               |
| Frequency:          | 33 kHz          | 33 kHz          | –               |
| Picture format:     | JPG             | JPG             | JPG             |
| Picture resolution: | 720 x 600 pixel | 720 x 600 pixel | 648 x 488 pixel |
| Video format:       | AVI             | AVI             | AVI             |
| Video resolution:   | 720 x 600 pixel | 720 x 600 pixel | 648 x 488 pixel |
| Storage:            | SD-card         | SD-card         | SD-card         |
| WiFi:               | ✓               | ✓               | ✓               |
| Protocol feature:   | ✓               | ✓               | ✓               |
| Audio-recording:    | ✓               | ✓               | ✓               |
| Data handling:      | ✓               | ✓               | ✓               |

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# Inspection and locating

## Video inspection

### 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.



| Product profile  |                  |
|--|------------------|
| <b>APPLICATION AREA</b>  |                  |
| The ROSCOPE mini is perfect for an easy and quick inspection of minor works. Blockages in drainages, pipelines, shower and bath connections, gutters and hollow spaces can be easily inspected.  |                  |
| <b>KEY FEATURES</b>  |                  |
| <ul style="list-style-type: none"><li>● Intuitive handling with the first touch</li><li>● The Ø 8.5mm camera head and the 120 cm camera cable are perfect for minor works and are maximizing the pace of work</li><li>● Electronical 180° rotation for the perfect perspective in every situation</li><li>● Waterproofed camera head</li><li>● Tool less mounting of accessories like the magnet or 90° mirror</li></ul> |                  |
| <b>TECHNICAL DATA</b>  |                  |
| <b>Dimensions:</b>   | 152 x 90 x 40 mm |
| <b>Display size:</b>   | 2.5"             |
| <b>Cable length:</b>   | 1.2 m            |
| <b>Cable-Ø:</b>  | 5.5 mm           |
| <b>Cable head-Ø:</b>   | 8.5 mm           |
| <b>Leveling:</b>   | 180°             |
| <b>Storage:</b>  | 30 pictures      |

**Adjustable illumination**

7 light levels for best lighting conditions

**Ø 8.5 mm waterproof camera head**

Perfect working conditions in small diameters

**1.2 m camera cable**

For quick and easy inspection

**180° rotatable picture**

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

**Included belt clip**

Comfortable wear

**Space-saving storage**

Camera cable can be easily wound up around the housing

**Accessories included**

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

**Intuitive handling**

Self-explanatory service in live and review mode

**Magnet-accessory**

**Mirror-accessory**



Quick inspection of hollow spaces before and after installations



Always ready to hand, due to handy belt clip

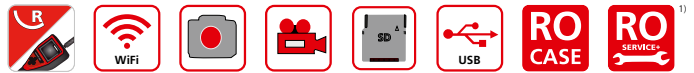
Set (No. 1000002268) includes: ROSCOPE mini basic unit, mirror and magnet accessories, 4x AA batteries, ROBOX B2350 (No. 1500002641)

|                  |            |
|------------------|------------|
| Model            | No.        |
| ROSCOPE mini set | 1000002268 |



### ROSCOPE i2000

Inspection and locating technology combined in one unit with multiple functions. Modular system allows for various applications.



#### Product profile

##### APPLICATION AREA

The ROSCOPE i2000 covers almost all inspection techniques within living and working spaces. Camera and locating modules allow a multifunctional use. WiFi technology enables a quick and easy data transfer.

##### KEY FEATURES

- User-friendly touchscreen monitor and simple menu guidance
- Easy data transfer for subsequent processing
- Audio recording and playback possible without further equipment
- USB charging function

**Versatile and user-friendly!**

##### 3.5" touchscreen

320 x 240 pixel resolution (JPEG)

##### Ergonomic handling

Function keys arranged closely together

##### Slip-free handle

For comfortable and effort saving operation - even over long periods of time

##### TECHNICAL DATA

**Display:** 3.5" touchscreen (color)  
**Video format:** AVI  
**Picture format:** JPEG, 320 x 240 pixels  
**Connection:** Mini-USB, AV-Out, SD-card slot  
**Power supply:** Li-Ion battery 3.7 V / 5.2 Ah

##### Compatible connection

Previous ROTHENBERGER modules can be used

##### WiFi

Easy data transfer to mobile devices

##### SD-card slot

Memory space for audio, video and image data

##### Integrated microphone

##### Integrated speaker

For audio playback



##### Powerful Li-Ion battery

For an extra long battery life and short charging times

10

### Modular concept:

4 different modules for the ROSCOPE i2000 basic unit, for visual inspection of pipes and hollow spaces as well as locating of pipes and sondes.

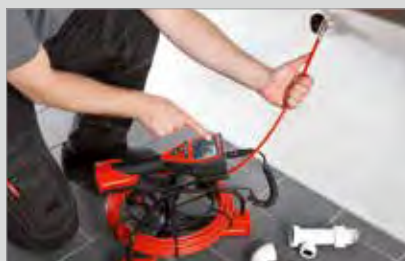
#### Module TEC

Self-leveling camera for the inspection of hollow spaces and hard to reach areas



#### Module 25/16 and 25/22

Waterproof pipe module for pipe inspection in 90° bends from Ø 40 mm to 100 mm



#### Module ROLOC PLUS

Easy to use pipe and sonde locating device incl. precise depth measurement



# Inspection and locating

## Video inspection

### ROSCOPE i2000 module TEC

High-performance camera for the inspection of hollow spaces and hard to reach areas

#### Product profile

##### KEY FEATURES

- User-friendly touchscreen monitor and simple menu guidance
- Self-leveling camera head
- Recording and playback of the inspection on video (AVI) or photo (JPEG)
- Waterproof camera head as per IP 68

##### TECHNICAL DATA

|                      |  |
|----------------------|--|
| <b>Display:</b>      | 3.5" touchscreen (color) (technical data about basic unit available on page 208) |
| <b>Camera head:</b>  | Ø 17 mm, <b>self-leveling</b> and waterproof, with 4 LED lights                  |
| <b>Brightness:</b>   | 100 LUX (0.5 m)  |
| <b>Cable length:</b> | 1 m  |
| <b>Power supply:</b> | Li-Ion battery 3.7 V / 5.2 Ah  |
| <b>Weight:</b>       | 0.9 kg   |

Set ROSCOPE i2000 module TEC (No. 1500000696) includes: ROSCOPE i2000 basic unit, module TEC, charger, ROCASE 4212, foam inlay

|                                 |                   |
|---------------------------------|-------------------|
| Model                           | No.               |
| ROSCOPE i2000 module TEC        | <b>1500000696</b> |
| Module TEC (without basic unit) | <b>69601</b>      |

Self-levelling camera head



Inspection of hollow spaces



Camera head with high-performance LEDs



### ROSCOPE i2000 module 25/22

High-performance camera for the inspection of pipes from Ø 40 up to 100 mm

#### Product profile

##### KEY FEATURES

- Recording and playback of the inspection on video (AVI) or photo (JPEG)
- Extremely flexible camera head for 90° bends starting from Ø 40 mm

##### TECHNICAL DATA

|                        |  |
|------------------------|--|
| <b>Display:</b>        | 3.5" touchscreen (color) (technical data about basic unit available on page 192) |
| <b>Camera head:</b>    | Ø 25 mm, waterproof, with 8 LED lights   |
| <b>Brightness:</b>     | 100 LUX (0.5 m)  |
| <b>Cable length:</b>   | 22 m   |
| <b>Cable diameter:</b> | 5.5 mm   |
| <b>Power supply:</b>   | Li-Ion battery 3.7 V / 5.2 Ah  |
| <b>Weight:</b>         | 3.1 kg   |

Set ROSCOPE i2000 module 25/22 (No. 1000000860) includes: ROSCOPE i2000 basic unit, module 25/22, module TEC, charger, plastic carrying case

|  |                   |
|--|-------------------|
| Model                                    | No.               |
| ROSCOPE i2000 module 25/22 + module TEC  | <b>1000000860</b> |
| Module 25/22 (without basic unit)        | <b>69603</b>      |
| Guidance ball for module 25/16 and 25/22 | <b>74629</b>      |

**Cable length:  
22 m!**



Inspection of rain downpipes



Inspection of floor drains



### ROSCOPE i2000 module 25/16

High-performance camera for the inspection of pipes from Ø 50 up to 100 mm. With an integrated transmitter for the precise locating of the camera head.



#### Product profile

##### KEY FEATURES

- Recording and playback of the inspection on video (AVI) or photo (JPEG)
- Extremely flexible camera head for 90° bends starting from Ø 50 mm
- Can be used with guidance ball up to Ø 100 mm
- Self-leveling picture
- Integrated transmitter for the precise locating of the camera head
- ROSCOPE i2000 basic unit can also be used as control unit for the ROLOC PLUS locating module

##### TECHNICAL DATA

|                        |  |
|------------------------|--|
| <b>Display:</b>        | 3.5" touchscreen (color) (technical data about basic unit available on page 208) |
| <b>Camera head:</b>    | Ø 25 mm, <b>self-leveling</b> and waterproof, with 4 extra bright LED lights     |
| <b>Brightness:</b>     | 125 LUX (0.5 m)  |
| <b>Cable length:</b>   | 16 m   |
| <b>Cable diameter:</b> | 8.5 mm   |
| <b>Frequency:</b>      | 512 Hz   |
| <b>Power supply:</b>   | Li-Ion battery 3.7 V / 5.2 Ah, 2 AA batteries (transmitter)                      |
| <b>Weight:</b>         | 3.9 kg   |

**Simple locating of the camera head with the integrated transmitter!**

#### 3.5" touchscreen

320 x 240 Pixel resolution

#### WiFi

Easy data transfer to mobile devices

#### Integrated transmitter

For the precise locating of the camera head

#### Self-leveling camera head

Picture is always upright, no loss of orientation

#### Battery compartment

For the power supply of the integrated transmitter (2 AA batteries included in delivery)

#### Rubberized base

Stable stand without slipping and damaging the surface

#### Inspection of access line



#### Inspection of rain drainpipes



#### Guidance ball for module 25/16 and 25/22

For centring of the camera head, better illumination of the pipe



No. 74629

Set ROSCOPE i2000 module 25/16 (No. 1000000842) includes: ROSCOPE i2000 basic unit, module 25/16, module TEC, charger, plastic carrying case

| Model                                    | No.               |
|--|-------------------|
| ROSCOPE i2000 module 25/16 + module TEC  | <b>1000000842</b> |
| Module 25/16 (without basic unit)        | <b>1500000052</b> |
| Guidance ball for module 25/16 and 25/22 | <b>74629</b>      |

<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice.  
RO SERVICE+ only valid in participating countries.



# Inspection and locating

## Video inspection

### ROSCOPE i2000 module ROLOC PLUS

Easy to use pipe and sonde locating device.  
Available as a complete unit as well as locating module for the ROSCOPE i2000 basic unit



#### Product profile

##### KEY FEATURES

- Pin-point location of the sonde
- Precise depth measurement
- Different frequencies can be chosen
- Simple and clear menu design guides step-by-step through the locating process
- Telescopic function makes transporting in case easier

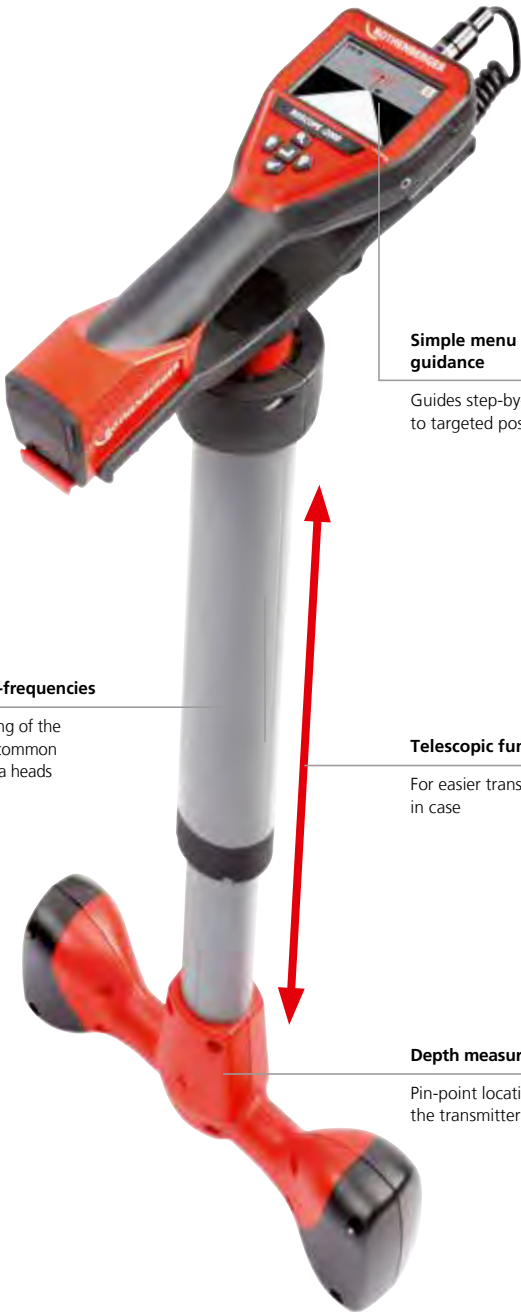
##### TECHNICAL DATA

|               |  |
|---------------|--|
| Display:      | 3.5" touchscreen (color) (technical data about basic unit available on page 208) |
| Frequencies:  | 512 and 650 Hz, 33 kHz active/passive, 50/60 Hz passive                          |
| Power supply: | Li-Ion battery 3.7 V / 5.2 Ah  |
| Dimensions:   | 95 x 32 x 30 cm (operating mode)<br>67 x 32 x 9 (transportation mode)            |
| Weight:       | 1.4 kg   |



Easy to use pipe and sonde locating device incl. precise depth measurement

Also for use with  
ROCAM 4 Plus



Simple menu  
guidance

Guides step-by-step  
to targeted position

Multi-frequencies

Locating of the  
most common  
camera heads

Telescopic function

For easier transport  
in case

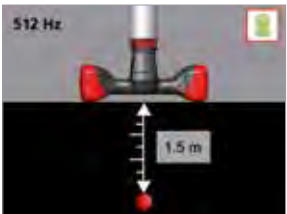
Depth measurement

Pin-point location of  
the transmitter position

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



Depth measurement with a push  
of the button



Set ROSCOPE i2000 module ROLOC PLUS (No. 1000000065) includes: ROSCOPE i2000 basic unit, module ROLOC PLUS; module TEC, charger, plastic carrying case

| Model   | No.        |
|---|------------|
| ROSCOPE i2000 module ROLOC PLUS<br>+ module TEC | 1000000861 |
| Module ROLOC PLUS (without basic unit i2000)    | 1500000057 |



# Inspection and locating

## Video inspection

### ROSCOPE i2000 and ROCAM 4 Plus app

App for smartphone and tablet to edit and send recorded image data



#### Product profile

##### KEY FEATURES

- WiFi-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

##### TECHNICAL DATA

###### ROSCOPE i2000:

**Compatibility:** iOS 5.1 – iOS 13.0, Android 4.0 or newer  
**Size:** 4.1 MB

###### ROCAM 4:

**Compatibility:** iOS 8.1 or newer, Android 4.0 or newer  
**Size:** 12 MB

Live Image



Editing Display



Album



Album

Picture and video recording

Settings / notes

Editing

Change to edit settings

- Color palette
- Pen and rubber
- Text
- Rectangle, circle, arrow



**Available for iOS (until version 13.0) and Android!**

10



Inspection of basin drains



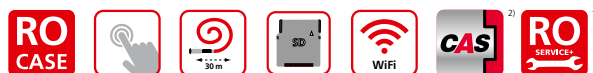
Sending of edited pictures directly from the place of action

# Inspection and locating

## Video inspection

### ROCAM 4 Plus - 30 m

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.



#### Product profile

##### KEY FEATURES

- 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 x 600) 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 WiFi, Micro-HDMI, Mini-USB, SD-Card
- Livestream of picture and data via WiFi to the ROCAM 4 app
- Self-levelling and exchangeable camera heads
- Exchangeable reels for various working ranges
- New platform based battery technology

##### TECHNICAL DATA

**Picture and video format:** JPG / AVI (resolution 720 x 600)

**Camera head:** Ø 25 mm, waterproof with 8 LEDs  
Ø 30 mm, self-levelling and waterproof with 10 LEDs  
Ø 40 mm, self-levelling and waterproof with 36 LEDs

**Working range:** Ø 40 - 100 mm (mini-module)  
Ø 70 - 150 mm (30 mm camera head)  
Ø 100 - 300 mm (40 mm camera head)

**Cable length:** 30 m version  
65 m version  
8 m mini-module (optional)

**Cable diameter:** 7 mm (30 m und 65 m reel)  
5.5 mm (mini-module)

**Transmitter frequency:** 33 kHz

**Power supply:** Li-Ion battery 18 V/4 Ah  
Main adaptor 110 - 230 V, 50 - 60 Hz (optional)

#### WiFi transmitter

Simple data transmission to mobile devices

#### Removable display unit with 10.4" color-touchscreen

Full functionality, even in confined spaces

#### Integrated speakers

Direct audio replay

Cover protected connections for SD-Card, Micro-Hdmi, Mini-USB

Locating with ROSCOPE module ROLOC PLUS



#### Li-Ion battery 18V/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

#### Exchangeable reel system 30 m / 8 m

Large operating range from Ø 40 mm pipe diameter

#### Integrated microphone

Voice recording for documentation possible

**Please note:** This machine cannot be upgraded to a 65m cable.

**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 BC14/36 battery charger, RO BP18/4, 4.0 Ah 18V Li-Power battery

| Model                                     | No.        |
|---|------------|
| ROCAM 4 Plus - 30 m cable, 30 mm head, EU | 1500002613 |
| ROCAM 4 Plus - 30 m cable, 40 mm head, EU | 1500002614 |

<sup>2)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice). RO SERVICE+ only valid in participating countries.

### ROCAM 4 Plus - 65 m

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.



Exchangeable reel system  
65m / 30 m / 8 m

Large operating range from  
Ø 40 mm pipe diameter



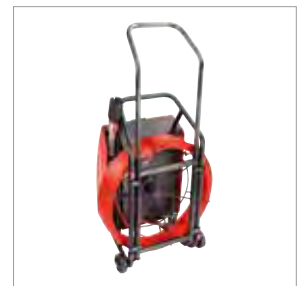
Transport trolley with  
extendable handle

Comfortable transport  
over long distances

New platform based battery  
technology



Transport trolley with  
extendable handle



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

| Model                                     | No.        |
|---|------------|
| ROCAM 4 Plus - 65 m cable, 30 mm head, EU | 1500002615 |
| ROCAM 4 Plus - 65 m cable, 40 mm head, EU | 1500002616 |

### ROCAM 4 Plus mini module

Easy extension of the working range of the ROCAM 4  
for pipes Ø 40 – 100 mm



#### Product profile

#### KEY FEATURES

- Professional inspection of small pipe diameters
- Easy handling due to Exchange reel system

#### TECHNISCHE DATEN

|                 |                                       |
|-----------------|---------------------------------------|
| Camera head:    | Ø 25 mm, waterproof with 8 LED lights |
| Working range:  | Ø 40 - 100 mm                         |
| Cable length:   | 8 m / 16 m                            |
| Cable diameter: | 5.5 mm                                |



| Model                                | No.        |
|--------------------------------------|------------|
| ROCAM 4 Plus mini module, 16 m cable | 1500003296 |

<sup>2)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice).  
RO SERVICE+ only valid in participating countries.



# Inspection and locating

## Video inspection

### ROCAM camera heads

Camera heads made of high-quality materials for professional inspection of pipes from Ø 70 up to 300 mm



#### Product-profile

##### KEY FEATURES

###### Excellent brightness:

- The ROCAM camera head Ø 30 mm has over 10 ultra bright LED lights, that effortlessly illuminate pipes up to Ø 150
- 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

##### KEY FEATURES

###### Mountable transmitter:

- Optional 33 kHz transmitter can be used to determine the length of the camera head (90° from Ø 70)
- 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

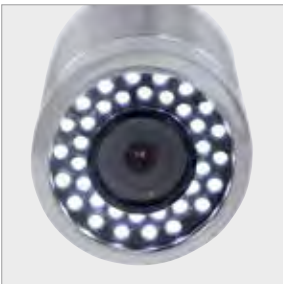
##### TECHNICAL DATA

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

Always an upright picture!



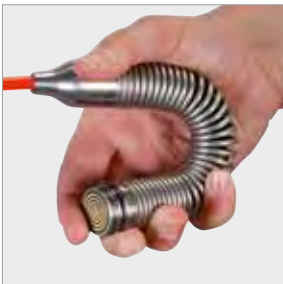
Excellent illumination



Pressure tight screw slip-ring connection



High flexibility and durability



Mountable transmitter



|                     |            |
|---------------------|------------|
| Model               | No.        |
| Camera head Ø 30 mm | 1500000123 |

|                     |            |
|---------------------|------------|
| Model               | No.        |
| Camera head Ø 40 mm | 1500000122 |



### Rolling skids

Recommended for distances from 10 m

#### APPLICATION AREA

Rolling skids RS40/150 for pipe diameters Ø 150 - 200 mm  
Rolling skids RS40/200 for pipe diameters Ø 200 - 300 mm

#### KEY FEATURES

- Optimized view of the pipe section
- Less pushing resistance with the fully rubberized wheels



| Model                            | g   | No.               |
|----------------------------------|-----|-------------------|
| <b>For camera heads Ø 40 mm:</b> |     |                   |
| Rolling skids Ø 150 mm           | 700 | <b>69118</b>      |
| Rolling skids Ø 200 mm           | 700 | <b>69119</b>      |
| <b>For camera head Ø 30 mm::</b> | 700 | <b>69118</b>      |
| Adapter Ø 30 to Ø 40mm           | 45  | <b>1000001836</b> |

### Brush attachments

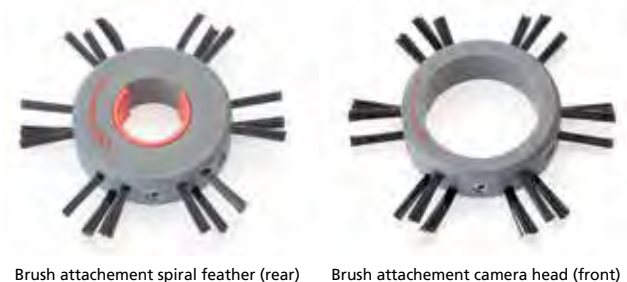
To improve the overview in pipes from Ø 100 – 200 mm

#### APPLICATION AREA

Brush attachment Ø 100 for use in pipe Ø 100 - 150 mm  
Brush attachment Ø 150 for use in pipe Ø 150 - 200 mm

#### KEY FEATURES

- 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



\*Use with guidance ball No. 69112 / 1500000817

| Model                   | g   | No.          |
|-------------------------|-----|--------------|
| Brush attachment Ø 100* | 200 | <b>69113</b> |
| Brush attachment Ø 150* | 300 | <b>69117</b> |

### Guidance ball ROCAM 4 Plus

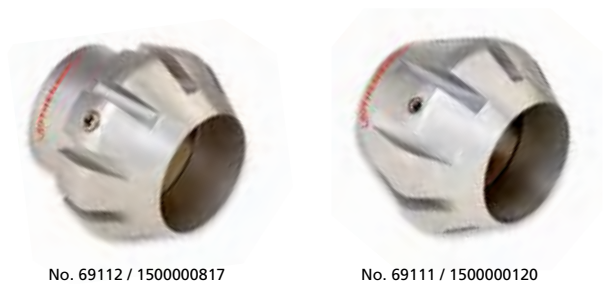
For centring of the camera head in pipes for a better overview and illumination

#### APPLICATION AREA

Guidance ball for pipe diameters Ø 70 - 150 mm  
Guidance ball with brush attachment for pipe diameters Ø 70 - 200 mm

#### KEY FEATURES

- Optimized view of the pipe section through centring in the pipe
- Dirt will not accumulate in front of the lens



| Model                               | g   | No.               |
|-------------------------------------|-----|-------------------|
| <b>For camera heads Ø 30 mm:</b>    |     |                   |
| Guidance ball for Ø 150 mm          | 200 | <b>1500000120</b> |
| Guidance ball for brush attachments | 200 | <b>1500000817</b> |
| <b>For camera heads ø 40 mm:</b>    |     |                   |
| Guidance ball for ø 200 mm          | 200 | <b>69111</b>      |
| Guidance ball for brush attachments | 200 | <b>69112</b>      |

### Battery pack system CAS, mains adaptor and charger

#### KEY FEATURES

- Extend the mobile operation spare battery
- No unintentional release of the battery, battery lock with click mechanism
- External battery charger, independent charging of the battery, higher mobility

#### TECHNICAL DATA

Battery: 18 V / 4.0 Ah, Li-Ionen



| Model                                  | No.               |
|--|-------------------|
| RO BP18/4, 4.0 Ah 18V Li-Power battery | <b>1000001653</b> |
| RO BC14/36, battery charger, 230 V, EU | <b>1000001654</b> |
| ROCAM 4 Plus adaptor, 230 V, EU        | <b>1000002085</b> |

<sup>2)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)





# Flushing and pipe cleaning

|   |           |
|---|-----------|
| <b>System overview</b>                              | 218 - 219 |
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| Flushing compressors                                | 220 - 222 |
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| High pressure drain cleaners                        | 250       |



# Flushing and pipe cleaning

## System overview

### Flushing

**ROPULS**



**ROPULS eDM**



|                      |         |         |
|----------------------|---------|---------|
| Connection:          | 1"      | 1"      |
| Max. pipe diameter:  | Ø 50 mm | Ø 50 mm |
| Max. water pressure: | 7 bar   | 7 bar   |
| Documentation:       | –       | ✓       |

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### Pipe cleaning

**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:              | –             | –             | –            | –                 | –                 |

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**RODRUM M 13**



**RODRUM M 16**



**RODRUM L 16**



**R 550**



**R 600**



|                     |               |               |               |               |                 |
|---------------------|---------------|---------------|---------------|---------------|-----------------|
| Operation mode:     | Electric      | Electric      | Electric      | Electric      | Electric        |
| Working range:      | Ø 70 - 100 mm | Ø 70 - 125 mm | Ø 70 - 125 mm | Ø 20 - 100 mm | Ø 20 - 150 mm   |
| Max. spiral length: | 30 m          | 45 m          | 45 m          | 40 m          | 60 m            |
| Spiral diameter:    | 13 mm         | 16 mm         | 16 mm         | 16 mm         | 8*/10*/16/22 mm |
| Power:              | 620 W         | 620 W         | 620 W         | 440 W         | 690 W           |

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### Decalcifying

**ROCAL 20**



**ROMATIC 20**



|                          |          |           |
|--------------------------|----------|-----------|
| <b>Tank volume:</b>      | 15 l     | 15 l      |
| <b>Volume flow:</b>      | 40 l/min | 40 l/min  |
| <b>Delivery height:</b>  | 10 m     | 10 m      |
| <b>Motor rating:</b>     | 150 W    | 150 W     |
| <b>Max. temperature:</b> | 50 °C    | 50 °C     |
| <b>Flow reversal:</b>    | Manual   | Automatic |

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### Pipe cleaning

**ROSPI 10  
H+E Plus**



**Manual drain  
cleaner 3 S**



**RODRUM S 10**



**RODRUM S 13**



**RODRUM  
VarioClean**



|                   |               |              |               |                 |
|-------------------|---------------|--------------|---------------|-----------------|
| Manual / electric | Manual        | Electric     | Electric      | Electric        |
| Ø 20 - 70 mm      | Ø 50 - 100 mm | Ø 40 - 70 mm | Ø 50 - 100 mm | Ø 40 - 100 mm   |
| 10 m              | 15 m          | 10 m         | 15 m          | 10 m**   15 m   |
| 10 mm             | 13 mm         | 10 mm        | 13 mm         | 10 mm**   13 mm |
| –                 | –             | 440 W        | 440 W         | –               |

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**R 600  
VarioClean**



**R 650**



**R 750**



**RODRUM L 20**



|                 |                 |                 |               |
|-----------------|-----------------|-----------------|---------------|
| Electric        | Electric        | Electric        | Electric      |
| Ø 20 - 150 mm   | Ø 20 - 150 mm   | Ø 50 - 200 mm   | Ø 70 - 250 mm |
| 60 m            | 65 m            | 80 m            | 60 m          |
| 8*/10*/16/22 mm | 8*/10*/16/22 mm | 16*/22 mm/32 mm | 20 mm         |
| –               | 1,350 W         | 1,400 W         | 620 W         |

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\* only usable with collet, clamping jaws or adaptor magazine (see page 238)

\*\* With additionally available accessories

<sup>1)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)

# Flushing and pipe cleaning

## Flushing

### 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



#### Product profile

##### KEY FEATURES

- **One unit – three uses** for safety and energy efficiency:
  - Flushing of floor heating systems / heating circuits
  - Flushing of drinking water pipes as per DIN 1988-2 / EN 806
  - Sanitizing of drinking water pipes
- Compact dimensions and practical carriage for simple handling during transport and at the building site
- Two flushing speeds (impulse and permanent air flushing) for good cleaning results
- Easy to use with the clearly arranged control panel
- Chemical cleaning with ROCLEAN accessories possible
- Free app for easy, professional creation of flushing-protocols as PDF files

##### TECHNICAL DATA

|                          |                    |
|--------------------------|--------------------|
| Pipe connection:         | R 1" GK-Coupling   |
| Max. pipe diameter:      | DN 50/2"           |
| Max. flow rate:          | 5 m³/h             |
| Max. water pressure:     | 7 bar              |
| Max. water temperature:  | 30 °C              |
| Protection class:        | IP 20              |
| Oil deposition rate:     | 99.9%              |
| Particle retention rate: | 0.3 µm compressor  |
| Max. operating pressure: | 8 bar              |
| Engine power:            | 1.5 kW             |
| Mains connection:        | 230 V - 50 Hz      |
| Dimensions (H x W x D):  | 630 x 380 x 340 mm |

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

Clearly arranged control panel

Quick connect NW 7.2

For connecting pneumatic tools

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

Function switch

Enables you to change to ROCLEAN function

ROPULS eDM App with documentation feature



ROPULS eDM with ROCLEAN function for cleaning and conservation



#### ROPULS eDM – Documentation

- ✓ Easy
- ✓ Fast
- ✓ Professional

**ROCLEAN function, optional available for ROPULS eDM and ROPULS Flushing compressor!**

Scope of delivery (No. 1000001134): ROPULS eDM flushing compressor, 2 x 1 m fabric hose 1" with GK coupling

|   |    |            |
|---|----|------------|
| Model                                     | kg | No.        |
| ROPULS eDM flushing compressor with hoses | 28 | 1000001134 |

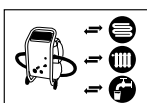
### ROPULS eDM App

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



#### KEY FEATURES

- Report can be e-mailed immediately as a PDF
- Transfer of flushing data via Bluetooth
- Applicable for Android and Windows devices
- Easy, fast, professional documentation
- Company profiles and protocols individually customizable
- Live data transfer to handheld unit
- Templates for various flushings-protocols available



### ROPULS flushing compressor

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



#### Function switch

Enables you to change to **ROCLEAN** function

For removing deposits in floor heating and radiators

Clean heating systems save energy

Pre-commission cleaning of construction material and residues

Clean, proper hygienic pipe systems

Flushing of drinking water pipes with pulsing compressed air water mix as per DIN 1988-2 / EN 806

Safety for plumbers and plant operators

**ROCLEAN function, optional available for ROPULS eDM and ROPULS Flushing compressor!**

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

| Model                                 | kg | No.        |
|---------------------------------------|----|------------|
| ROPULS flushing compressor with hoses | 28 | 1000000145 |

ROPULS with ROCLEAN function:  
Flushing of drinking water pipes

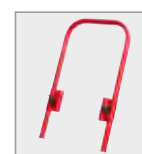


ROPULS flushing compressor with ROCLEAN function



#### ACCESSORIES

| Model   | No.         |
|---|-------------|
| ROCLEAN Injector                              | 1000000190  |
| Pressure regulator 2 bar                      | 1500000203  |
| ROPULS extension handle                       | 15000003517 |
| ROCLEAN cleaning and conservation on page 222 |             |



<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
RO SERVICE+ only valid in participating countries

<sup>2)</sup> Only for Android devices



# Flushing and pipe cleaning

## Flushing

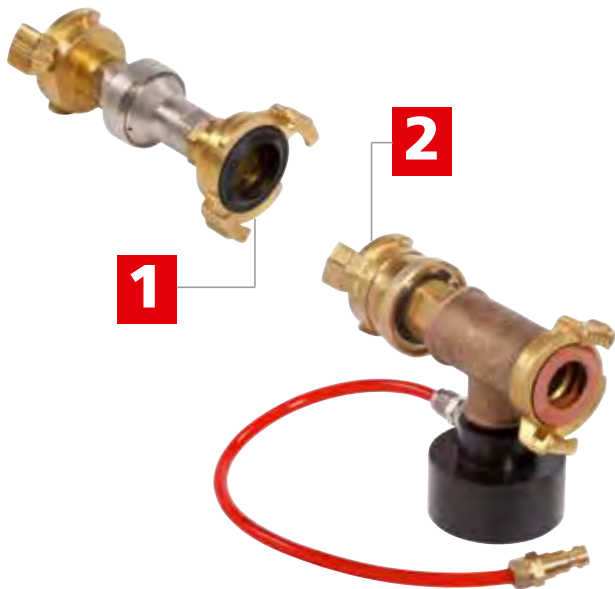
### ROCLEAN function

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.



| Model                    | kg  |   | No.        |
|--------------------------|-----|---|------------|
| ROCLEAN injector         | 1.1 | 1 | 1000000190 |
| Pressure regulator 2 bar | 0.3 | 1 | 1500000203 |

## 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                       |  |
|---------------------------------------|--|
| <b>Step 1:</b><br>Mechanical cleaning |  |
| <b>Step 2:</b><br>Chemical cleaning   |  |
| <b>Step 3:</b><br>Preserving          |  |

| Model                               | Color code | kg  |   | No.        |
|-------------------------------------|------------|-----|---|------------|
| ROCLEAN injector                    |            | 1.1 |   | 1000000190 |
| Pressure regulator 2 bar            |            | 0.3 |   | 1500000203 |
| Chemical cleaning:                  |            |     |   |            |
| – Radiator heating systems (6 pcs.) | Orange     | 6.3 | 1 | 1500000200 |
| – Surface heating systems (6 pcs.)  | Green      | 6.3 | 1 | 1500000201 |
| Preservative (6 pcs.)               | Blue       | 6.3 | 1 | 1500000202 |
| Disinfection (6 pcs.)               | Yellow     | 6.3 | 1 | 1500000157 |

ROCAL 20 / ROMATIC 20

Decalcifying pump with flow direction change



| Product profile   |
|---|
| RANGE OF USE  |
| For the quick decalcifying of heat exchangers, water pipes, water tanks, heat and cooling systems   |
| KEY FEATURES  |
| <ul style="list-style-type: none"><li>With the help of the flow reversal (change of the direction of flow) even very hard calcifications and deposits can be loosed</li><li>Only ROMATIC: Running time of the pump and flow reversal can be programmed, which enables comfortable operation</li><li>Approved for fluid temperatures up to 50 °C for especially efficient decalcifying</li><li>Constant circulation of the decalcifying chemical prevents damage that can be caused by the development of gas during decalcification</li></ul> |

| TECHNICAL DATA   |             |
|------------------|-------------|
| Connection:      | R 1/2"      |
| Tank volume:     | 15 l        |
| Power supply:    | 230 V 50 Hz |
| Motor rating:    | 150 W       |
| Volume flow:     | 40 l / min. |
| Delivery height: | 10 m        |



Fig. ROCAL 20

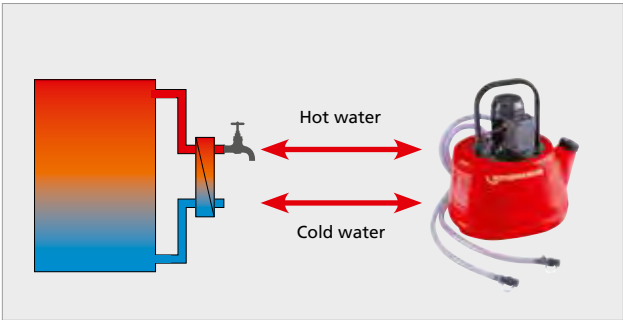
Automatic  
flow reversal!



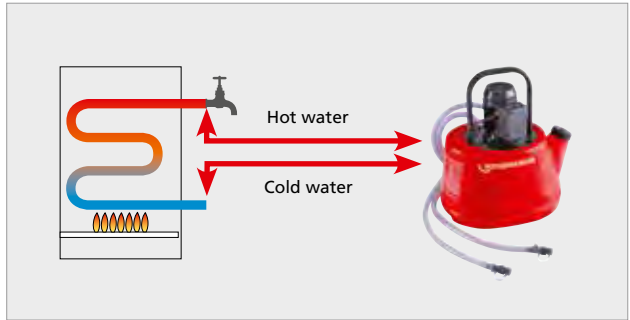
Fig. ROMATIC 20



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: 2x hoses with 1/2" connection (2 m long), 2 x double nipple 1/2-3/8", 2 x double nipple 1/2-3/4", 2 x double nipple 1/2-1/2", 2x double socket 3/4-3/4", 2 x reduction piece 1/2-3/4"

| Model      | kg | No.   |
|------------|----|-------|
| ROCAL 20   | 6  | 61100 |
| ROMATIC 20 | 6  | 61190 |

ACCESSORIES



Decalcifying chemical for ROCAL 20, ROMATIC 20 see 224

<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
RO SERVICE+ only valid in participating countries

# Flushing and pipe cleaning

## Decalcifying

### ROCAL Acid Multi / Plus

Decalcifying chemical for use with ROCAL 20, ROMATIC 20

#### Product profile

##### RANGE OF USE

###### ROCAL Acid Multi

For the safe decalcification of all piping systems, heat exchangers, fresh water stations and water tanks

###### ROCAL Acid Plus

For strong calcifications and scale build-up. Only suitable for technical systems. Not suitable for drinking water pipes.

##### KEY FEATURES

- With color indication. The use of the chemical effects is shown by the change of the fluid color
- Concentrate to mix with water
- With corrosion protection



No. 1500000115

No. 1500000116

No. 1500000117



No. 61105

No. 61106

No. 1500000914

|                 | ROCAL Acid Multi | ROCAL Acid Plus |
|-----------------|------------------|-----------------|
| Copper          | ●                | ●               |
| Steel           | ●                | ●               |
| Stainless steel | ●                | —               |

● suitable - unsuitable

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

● suitable - unsuitable

| Model            | kg |   | No.        |
|------------------|----|---|------------|
| ROCAL Acid Multi | 5  | 1 | 1500000115 |
| ROCAL Acid Multi | 10 | 1 | 1500000116 |
| ROCAL Acid Multi | 30 |   | 1500000117 |

| Model           | kg |   | No.        |
|-----------------|----|---|------------|
| ROCAL Acid Plus | 5  | 1 | 61105      |
| ROCAL Acid Plus | 10 | 1 | 61106      |
| ROCAL Acid Plus | 25 | 1 | 1500000914 |

### Neutralizer powder

Neutralizes ROCAL Acid Plus / ROCAL Acid Multi

#### Product profile

##### RANGE OF USE

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              | kg |   | No.   |
|--------------------|----|---|-------|
| Neutralizer powder | 1  | 1 | 61115 |
| Neutralizer powder | 10 | 1 | 61120 |



No. 61115

No. 61120



ROSOLAR PUMP /  
ROSOLAR PUMP PLUS

Solar filling pump

Product profile

KEY FEATURES

- 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

|                           |                              |
|---------------------------|------------------------------|
| Dimensions ( H x W x D ): | 49 x 51 x 76 cm              |
| Container volumes:        | 30 l                         |
| Hoses:                    | Length: 2 x 3 m              |
|                           | Connections: 3/4"            |
|                           | Heat resistant: up to 100 °C |

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



Return flow cover  
with filter



Hose connection with an-  
ti-kink protection



Ball valve



|  |            |
|--|------------|
| Model                                  | No.        |
| ROSOLAR PUMP (with centrifugal pump)   | 1500000135 |
| ROSOLAR PUMP PLUS (with impeller pump) | 1500000136 |
| Fleece filter bag ROSOLAR (10 pcs.)    | 1500001236 |
| Return flow cover (for filter bags)    | 1500001235 |



# Flushing and pipe cleaning

## Pipe cleaning 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

Quick – Compact – Handy!

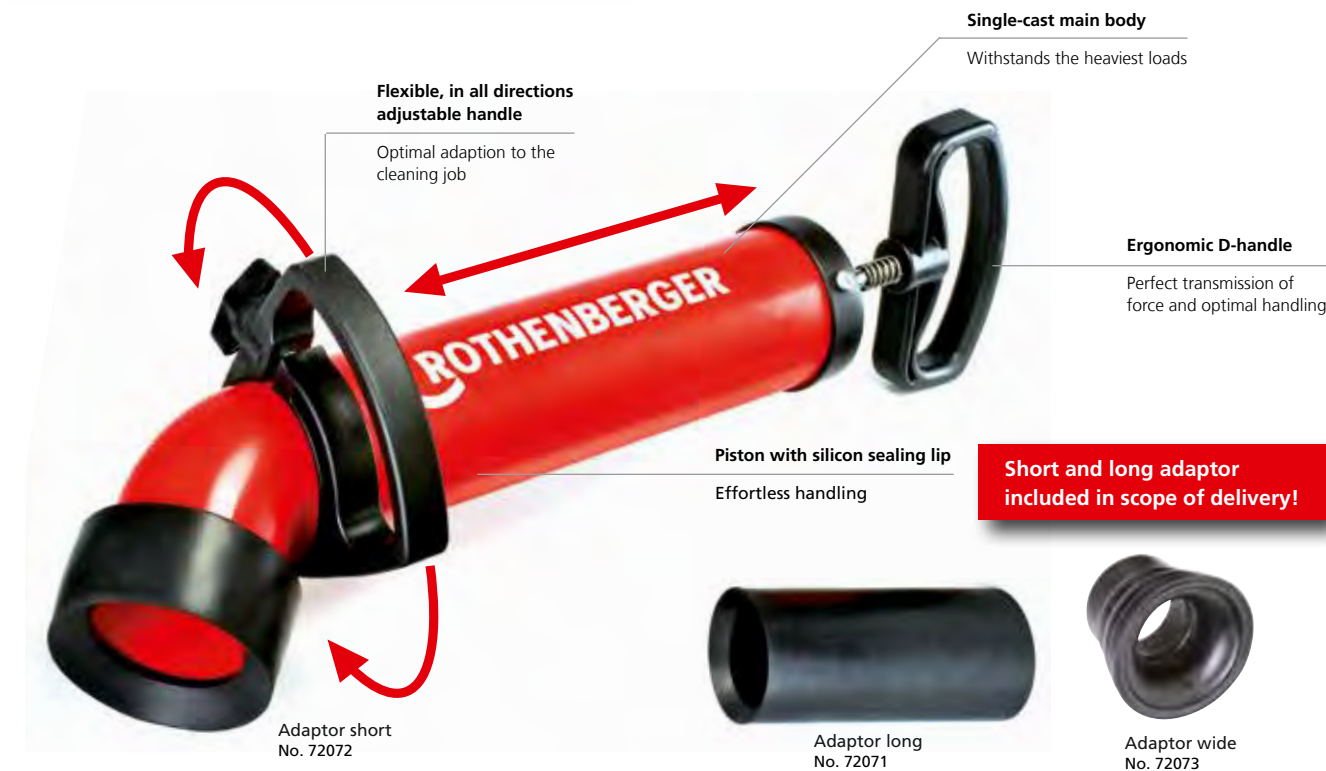
#### Product profile

##### KEY FEATURES

- 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

##### KEY FEATURES

- Simple handling with the perfect adaption to the drain and easy to use with ergonomic formed components



Short adaptor



Long adaptor



| Model  | kg   | No.        |
|--|------|------------|
| ROPUMP SUPER PLUS with 2 adaptors (long, short)              | 2.00 | 072070X    |
| ROPUMP SUPER PLUS 3 adaptors (long, short, wide) and toolbag | 3.30 | 1000001762 |
| Adaptor long   | 0.66 | 72071      |
| Adaptor short  | 0.16 | 72072      |
| Adaptor wide   | 0.40 | 72073      |

### ROPUMP

#### Force pump cleaner according to the air-pump principle with water pressure



Dissolves obstructions in drains, basins, showers, bathtubs etc.

#### Product profile

##### KEY FEATURES

- Small and handy
- Compact and effective

| Model                       | g   | No.   |
|-----------------------------|-----|-------|
| ROPUMP with flexible socket | 500 | 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

#### Product profile

##### KEY FEATURES

- 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

**Working range:** 20 - 50 mm  
**Spiral:** Ø 8 mm x 7.5 m



Electrical operation with cordless drill



Manual operation



| Model                    |     | kg | No.   |
|--------------------------|-----|----|-------|
| ROSPI 6 H+E Plus 4.5 m   | 1.4 | 1  | 72090 |
| ROSPI 8 H+E Plus 7.5 m   | 3.5 | 1  | 72095 |
| ROSPI 10 H+E Plus 10.0 m | 4.8 | 1  | 72005 |

For spare spirals see 243

# Flushing and pipe cleaning

## Pipe cleaning manual

### ROPOWER HANDY

#### Manual drain cleaning unit, Ø 50 - 100 mm

A 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

##### KEY FEATURES

- 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                                  | kg  | No.   |
|--|-----|-------|
| ROPOWER HANDY complete                 | 1.7 | 71975 |
| ACCESSORIES                            |     |       |
| Manual crank                           | 0.4 | 71976 |
| ROPOWER PROFILE CABLE w/o plastic core | 1.2 | 72494 |

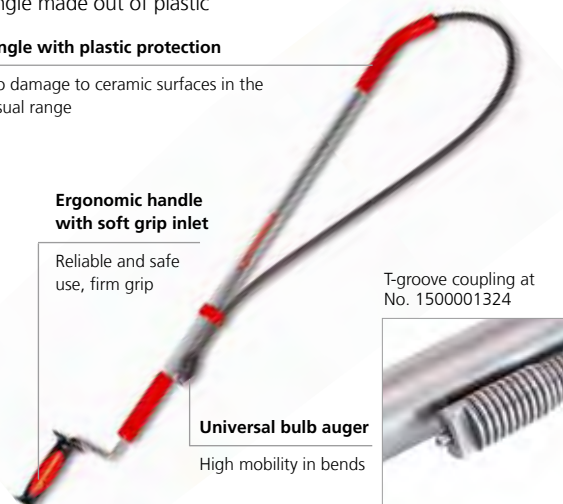
### WC-BLITZ RO-3 toilet auger

##### KEY FEATURES

- **Flexible use even in hard-to-reach places**  
With tough cleaning bulb auger. Extendable handle and 1 m spiral length, Ø 1/2"
- **No damage to ceramic surfaces**  
Angle made out of plastic

##### Angle with plastic protection

No damage to ceramic surfaces in the visual range



| Model                              | kg   | No.        |
|------------------------------------|------|------------|
| WC-Blitz RO-3 complete with spiral | 2.75 | 78551      |
| WC-Blitz RO-3 with tool coupling   | 2.90 | 1500001324 |

### Manual drain cleaner type 3 S

#### For pipes Ø 40 - 100 mm

#### Spirals Ø 13 mm x 15 m with 16 mm coupling

##### KEY FEATURES

- **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 x 15 m (No. 72016), cross-blade cutter Ø 35 mm (No. 72176) and separating pin (No. 72100)

| Model                                   | kg    | No.   |
|---|-------|-------|
| Manual drain cleaner type 3 S, complete | 17.50 | 72003 |
| Spare spiral Ø 13 mm x 15 m             | 7.00  | 72016 |
| Cross-blade cutter Ø 35 mm              | 0.04  | 72176 |
| Separating pin                          | 0.01  | 72100 |

Further Ø 16 mm tools can be found on 242





# Flushing and pipe cleaning

## Pipe cleaning electric

### 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.



#### Product profile

##### KEY FEATURES

- 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

|   |                    |
|---|--------------------|
| <b>Application range:</b>                     | 20 - 50 mm         |
| <b>Spiral with inner-core and Bulb auger:</b> | Ø 8 mm x 7.5 m     |
| <b>Dimensions (without spiral):</b>           | 420 x 200 x 200 mm |



With bulb-auger



With coupling for various tools



With flexible guide hose



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

No.

|  |                   |
|--|-------------------|
| ROSPIMATIC CL basic unit incl. 8 mm / 7,5 m spiral   | <b>1000002298</b> |
| ROSPIMATIC CL set, w. 2nd spiral + cross-blade auger | <b>1000002299</b> |
| Spiral 8 mm x 7,5 m, w. bulb auger and steel core    | <b>72413</b>      |
| Spiral 8 mm x 7,5 m, with coupling and core          | <b>72425</b>      |
| Tool set 8 mm (4 pcs.)                               | <b>72942</b>      |
| Protection hose f. ROSPIMATIC CL                     | <b>72542</b>      |

Easy connection to professional cordless drill driver



For additional accessories see 240

<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
RO SERVICE+ only valid in participating countries



# Flushing and pipe cleaning

## Pipe cleaning electric



### 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

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

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

##### TECHNICAL DATA

|                             |                             |
|-----------------------------|-----------------------------|
| <b>For pipe diameters:</b>  | Ø 20 - 100 mm               |
| <b>Direct attachment:</b>   | Ø 16 mm spirals             |
| <b>Max. working length:</b> | 40 m with Ø 16 mm S-spirals |
| <b>Rating:</b>              | 440 W (power input)         |
| <b>Voltage:</b>             | 230 / 110 / 115 V, 50 Hz    |
| <b>Speed:</b>               | 583 rpm, RH and LH drive    |
| <b>Weight:</b>              | 16.0 kg                     |

|   |  |              |
|---|--|--------------|
| Model   |  | 230 V        |
| R 550 w/ guide hose   | 16.0   | <b>72686</b> |
| Tool sets and accessories starting on  238 |  |              |



### R 600

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

For installation and maintenance work in hospitals and municipal facilities

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- 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

|                                |   |
|--------------------------------|---|
| <b>For pipe diameters:</b>     | Ø 20 - 150 mm   |
| <b>With direct attachment:</b> | Ø 22 and 16 mm spirals  |
| <b>With adaptor magazine:</b>  | Ø 8 and 10 mm   |
| <b>Max. working length:</b>    | 60 m with Ø 22 mm S-spirals<br>50 m with Ø 16 mm S-spirals<br>10 m with Ø 8 and 10 mm spirals |
| <b>Rating:</b>                 | 690 W (power input)   |
| <b>Voltage:</b>                | 230 / 110 / 115 V, 50 Hz  |
| <b>Speed:</b>                  | 467 rpm, RH and LH drive  |
| <b>Weight:</b>                 | 20.9 kg   |

|   |   |              |
|---|---|--------------|
| Model   |  | 230 V        |
| R 600 w/ guide hose   | 20.9  | <b>72687</b> |
| Tool sets and accessories starting on  238 |   |              |

### 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.



#### Product profile

##### APPLICATION AREA

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.

##### KEY FEATURES

- 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.

##### KEY FEATURES

- Suitable for indoor and outdoor use
- Compact design and low weight

##### TECHNICAL DATA

|                             |  |
|-----------------------------|--|
| <b>Working range:</b>       | Ø 20 - 150 mm  |
| <b>Max. working length:</b> | 50 m (with 16 mm spiral)<br>60 m (with 22 mm spiral) |
| <b>Speed:</b>               | 427/527/614 rpm                                      |
| <b>Product dimension:</b>   | 430 x 250 x 480 mm                                   |

#### 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

#### 18V CAS-battery system

Powerful 18V battery for a running time up to 50 minutes

#### Brushless Motor

For wear-free work and longer machine life

Optimum adjustment options for unblocking – cleaning – clean spinning



Plug-free 18V Power with the CAS-battery system



| Model  | kg   | No.                 |
|--|------|---------------------|
| R600 VarioClean baretool   | 13.0 | 1 <b>1000003345</b> |
| R600 VarioClean baretool with battery Li-HD, 8.0Ah 18V and battery charger                             | 18.7 | 1 <b>1000003372</b> |
| R600 VarioClean with DuraFlex SMK spiral-tool set 16+22 mm and battery 8.0Ah 18V incl. battery charger | 50.7 | 1 <b>1000003346</b> |

For spare spirals see 249

<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
RO SERVICE+ only valid in participating countries

<sup>2)</sup> More information at cordless-alliance-system.com

# Flushing and pipe cleaning

## Pipe cleaning electric

### 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



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- 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

|                               |   |
|-------------------------------|---|
| <b>For pipe diameters:</b>    | Ø 20 - 150 mm   |
| <b>Direct attachment:</b>     | Ø 22 and 16 mm spirals  |
| <b>With adaptor magazine:</b> | Ø 8 mm and 10 mm  |
| <b>Max. working length:</b>   | 65 m with Ø 22 mm S-spirals<br>55 m with Ø 16 mm S-spirals<br>10 m with Ø 8 and 10 mm spirals |
| <b>Rating:</b>                | 1,350 W (power input)   |
| <b>Voltage:</b>               | 230 V, 50 Hz  |
| <b>Speed:</b>                 | 623 rpm, RH and LH drive  |
| <b>Weight:</b>                | 22.8 kg   |



Drive lever can be fitted on the side

Flexible use

|   |      |              |
|---|------|--------------|
| Model                                     | kg   | 230 V        |
| R 650 w/ guide hose                       | 22.8 | <b>72688</b> |
| Tool sets and accessories starting on 238 |      |              |

### 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



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- 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

|                                |   |
|--------------------------------|---|
| <b>For pipe diameters:</b>     | Ø 20 - 200 mm   |
| <b>With direct attachment:</b> | Ø 32 and 22 mm spirals  |
| <b>With clutch jaw:</b>        | Ø 16 mm   |
| <b>Max. working length:</b>    | 80 m with Ø 32 mm S-spirals<br>70 m with Ø 22 mm S-spirals<br>55 m with Ø 16 mm S-spirals |
| <b>Rating:</b>                 | 1,400 W (power input)   |
| <b>Voltage:</b>                | 230 V, 50 Hz  |
| <b>Speed:</b>                  | 467 rpm, RH and LH drive  |
| <b>Weight:</b>                 | 33.5 kg   |



Full rubber transport wheels

Comfortable transport, high mobility and a secure stand

|   |      |              |
|---|------|--------------|
| Model                                     | kg   | 230 V        |
| R 750 w/ guide hose                       | 33.5 | <b>72689</b> |
| Tool sets and accessories starting on 238 |      |              |

### 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.

#### Product profile

##### KEY FEATURES

- 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 Ø 13 mm spirals

##### KEY FEATURES

- **Flexible use:**  
Drum interchangeable for different pipe diameters
- **Easy to use:**  
Feeding and pressure relief with single handle
- **Clean:**  
Spiral in detachable drum

#### Interchangeable drum

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

#### Spiral protection

Fast tension relief from the spiral to prevent damage just by releasing the lever

#### Cleanout slots and drain plug

Easy and fast cleaning of the drum

#### Rubber feet

No damage to the floor

#### 2-in-1 feeding unit

Suitable for Ø 10 mm and Ø 13 mm spirals





# Flushing and pipe cleaning

## Pipe cleaning electric



### APPLICATION AREA

- 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

### TECHNICAL DATA

|                                     |  |
|-------------------------------------|--|
| <b>Working range/pipe diameter:</b> | Ø 40 - 100 mm  |
| <b>Max. working length:</b>         | 10 m (with 10 mm Spirals)<br>15 m (with 13 mm Spirals) |
| <b>Power (input):</b>               | 440 W  |
| <b>Speed (drum):</b>                | 300 rpm  |
| <b>Product dimensions:</b>          | 58 x 33 x 39 cm  |

Cleaning of floor drain with 13 mm spiral



Convenient transport thanks to detachable drum



Interchangeable drum for different working ranges



| Model                                    | kg   | 230 V<br>50 Hz    |
|--|------|-------------------|
| RODRUM S 10 EU                           | 18.9 | <b>1000001256</b> |
| RODRUM S 13 EU with tool kit             | 25.7 | <b>1000001257</b> |
| Spiral 13 mm x 15 m with reinforced wire |      | <b>72016</b>      |

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)

### ACCESSORIES

| Model            | kg   | No.               |
|------------------|------|-------------------|
| RODRUM S 10 Drum | 5.5  | <b>1000001275</b> |
| RODRUM S 13 Drum | 11.4 | <b>1000001276</b> |
| Tool kit 16 mm   | 5.5  | <b>1000001308</b> |

Spirals, Drain cleaning tools 241



### 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.



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

- 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.

##### KEY FEATURES

- 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

**Working range:** Ø 40 - 100 mm  
**Max. working length:** 10 m (with 10 mm spiral)  
 15 m (with 13 mm spiral)  
**Speed:** 275/340/395 rpm  
**Product dimension:** 430 x 250 x 395 mm

#### VarioClean-Elektronik

Optimum adaptation to the type of blockage for faster work progress

#### Brushless Motor

For wear-free work and longer machine life

#### 18V CAS-battery system

Powerful 18V battery for a running time up to 50 minutes

#### Pneumatic foot switch

For hands free safe working

#### Mount for tripod

Optimum working height for cleaning WC and washbasin sink drains

#### LED site light

Perfect illumination of the work area

#### Spiral protection

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

#### 2 in 1 feeding unit

Suitable for 10 mm and 13 mm spirals

#### Interchangeable drum

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

| Model   | kg   |   | No.        |
|---|------|---|------------|
| RODRUM VarioClean with DuraFlex spiral 13 mm/15 m   | 21.8 | 1 | 1000003347 |
| RODRUM VarioClean with DuraFlex spiral 13 mm/15 m incl. battery Li-HD 8.0Ah 18V, battery charger            | 26.6 | 1 | 1000003371 |
| RODRUM VarioClean with DuraFlex spiral 13 mm/15 m, tool set 16 mm, battery Li-HD 8.0Ah 18V, battery charger | 29.0 | 1 | 1000003348 |

#### ACCESSORIES

| Model                            | kg   |   | No.        |
|----------------------------------|------|---|------------|
| DuraFlex spiral drum, 13 mm/15 m | 12.5 | 1 | 1500003708 |
| DuraFlex spiral 13 mm/15 m       | 10.0 | 1 | 1500003706 |
| DuraFlex spiral 10 mm/10 m       | 4.0  | 1 | 1500003707 |

For spare spirals see 249

<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
RO SERVICE+ only valid in participating countries

<sup>2)</sup> More information at cordless-alliance-system.com

# Flushing and pipe cleaning

## Pipe cleaning electric

### RODRUM M and L

Drum drain cleaning machine with automatic spiral feed. For pipes from Ø 70 - 250 mm. Perfectly suited for use in public and commercial buildings as well as house connection pipes.



#### Product profile

##### KEY FEATURES

- 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 13, 16, 20 mm spirals

##### RANGE OF USE

- RODRUM M and L 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

##### TECHNICAL DATA

|                                     |                 |
|-------------------------------------|-----------------|
| <b>Working range/pipe diameter:</b> | Ø 70 - 250 mm   |
| <b>Power (input):</b>               | 620 W           |
| <b>Speed (drum):</b>                | 270 r/min.      |
| <b>Product dimensions:</b>          | 77 x 56 x 87 cm |

#### Loading device

Ergonomic loading of the machine



#### Spiral protection

Fast tension relief from the spiral to prevent damage just by releasing the lever

#### Interchangeable drum

Fast change between Ø 13, 16, 20 mm spirals

#### Cleaning slots

Easy and fast cleaning of the drum

#### 3-in-1 feeding unit

No retrofitting necessary for different spiral diameters

Interchangeable drums for adaption of the working range



#### Rubber feed

No damage of the floor

| Model       |  | kg   | 230 V<br>50 Hz |
|-------------|--|------|----------------|
| RODRUM M 13 | spirals 13 mm x 15 m, incl. 16 mm tool kit | 45.5 | 1000001711     |
| RODRUM M 16 | spirals 16 mm x 15 m, incl. 16 mm tool kit | 50.2 | 1000001712     |
| RODRUM L 16 | spirals 16 mm x 15 m, incl. 16 mm tool kit | 51.9 | 1000001713     |
| RODRUM L 20 | spirals 20 mm x 20 m, incl. 20 mm tool kit | 68.0 | 1000001714     |



### RODRUM M and L drums

Interchangeable spiral drums for quick and easy adaption of the machine to different pipe diameters or for extension of the spiral length.



No. 1000001730



No. 1000001728

| Model  | kg   | No.        |
|--|------|------------|
| RODRUM drum M 13 incl. spiral 13 mm x 15 m     | 14.5 | 1000001727 |
| RODRUM drum M 16 incl. spiral 16 mm x 15 m     | 19.0 | 1000001728 |
| RODRUM drum L 16 incl. 2x spirals 16 mm x 15 m | 38.7 | 1000001729 |
| RODRUM drum L 20 incl. spiral 20 mm x 20 m     | 36.8 | 1000001730 |

### ACCESSORIES

| Model                                 | kg   | No.        | Model   | kg   | No.        |
|---------------------------------------|------|------------|---|------|------------|
| Straight auger, 20 mm*                | 0.32 | 1500002253 | Forked cutter 80, 20 mm*                              | 0.15 | 1500002263 |
| Funnel auger, 20 mm*                  | 0.55 | 1500002254 | Forked cutter 100, 20 mm*                             | 0.20 | 1500002264 |
| Bulb auger, 20 mm*                    | 0.40 | 1500002255 | Two-way root cutter 65, 20 mm*                        | 0.39 | 1500002265 |
| Retrieving auger, 20 mm*              | 0.12 | 1500002256 | Two-way root cutter 90, 20 mm*                        | 0.46 | 1500002266 |
| Peak-head auger, 20 mm*               | 0.40 | 1500002257 | Adaptor, square-coupling to 22 mm T-coupling          | 0.25 | 1500002267 |
| Cross-blade cutter 50, 20 mm*         | 0.16 | 1500002258 | Spiral 13x15 with inner core                          | 10.8 | 1500002271 |
| Cross-blade cutter 65, 20 mm*         | 0.23 | 1500002259 | Spiral 16x15 with inner core                          | 15.5 | 72918      |
| Cross-blade cutter 90, 20 mm*         | 0.39 | 1500002260 | Spiral 20 mm x 20 m w. inner core and square coupling | 33.5 | 1500002268 |
| Chain-spinning head, 4 chains, 20 mm* | 0.30 | 1500002261 | RODRUM tool kit 16 mm                                 |      | 1000001731 |
| Forked cutter 60, 20 mm*              | 0.10 | 1500002262 | RODRUM tool kit 20 mm                                 |      | 1000001732 |

\* all 20 mm augers with square coupling



No. 1500002267



No. 1500002254



No. 1500002261



No. 1500002257



No. 1500002253



No. 1500002266



No. 1500002255



No. 1500002258



No. 1500002256



No. 1500002263



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





# Flushing and pipe cleaning

## Accessories pipe cleaning electric



### Clutch jaws

| For machine type          | For spirals-Ø | kg  | No.          |
|---------------------------|---------------|-----|--------------|
| <b>R 550</b>              |               |     |              |
| (from serial No. 411542)  | 16 mm         | 0.1 | <b>72538</b> |
| (up to serial No. 411541) | 16 mm         | 0.1 | <b>72536</b> |
| <b>R 600/650</b>          |               |     |              |
| (from serial No. 409001)  | 16 and 22 mm  | 0.3 | <b>72638</b> |
| (up to serial No. 409000) | 16 and 22 mm  | 0.3 | <b>72666</b> |
| <b>R 750</b>              | 22 and 32 mm  | 0.4 | <b>72563</b> |
| <b>R 80/100 SP/R140 B</b> | 22 mm         | 0.4 | <b>72561</b> |
| <b>R 80/100 SP</b>        | 32 mm         | 0.3 | <b>72562</b> |



### Adaptor magazines

- Clean, safe storage of 8 and 10 mm spirals
- Impact-resistant container with clutch jaws and precision clutch

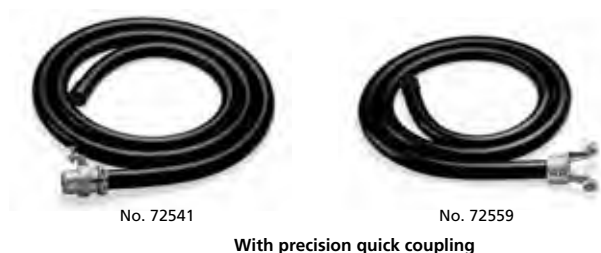
| For machine type | For spiral-Ø | max. Spiral length | kg  | No.          |
|------------------|--------------|--------------------|-----|--------------|
| R 600/650        | 8 mm         | 10 m               | 1.8 | <b>72514</b> |
| R 600/650        | 10 mm        | 10 m               | 1.8 | <b>72515</b> |



### Clutch jaw for R 750

| For machine type | For spirals-Ø | kg  | No.          |
|------------------|---------------|-----|--------------|
| R 750            | 16 mm         | 0.3 | <b>72915</b> |

Ensures safe, kink-free spiral feed



### Spiral guide hoses

- Prevents contamination and damage

| Model | for machine type    | for spiral-Ø | Length | kg  | No.          |
|-------|---------------------|--------------|--------|-----|--------------|
| FS 16 | R 550 / RODRUM S    | 16 mm        | 2 m    | 1.1 | <b>72540</b> |
| FS 22 | R 600 / 650         | 22 mm        | 4 m    | 2.8 | <b>72541</b> |
| FS 32 | R 750 / 80 / 100 SP | 32 mm        | 4 m    | 4.1 | <b>72559</b> |



### Tripod stand

- Collapsible and galvanised
- Provides an ideal working height of the drain cleaning machine, for example: inspection holes in downpipes
- Spiral retrieving device

| For machine type              | kg  | No.          |
|-------------------------------|-----|--------------|
| R 550 - R 600 - R 650 - R 750 | 3.0 | <b>58182</b> |

# Flushing and pipe cleaning

## Accessories pipe cleaning electric

### Spiral retrieving device

- Safe feeding / retrieving of spirals in downpipes
- Suitable for all Ø 22 and 32 mm open-wound spirals
- Suitable as pusher unit for difficult obstructions
- Also suitable as adaptor for third-party equipment without problems
- With water supply connection (two 1" threaded couplings)
- Socket for tripod stand

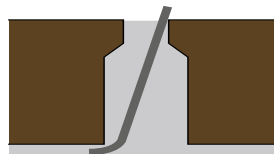
| Model                    | kg  | No.          |
|--------------------------|-----|--------------|
| Spiral retrieving device | 3.7 | <b>72135</b> |



### Telescoping guide tubes

- No twisting: For safe spiral guidance in manholes and manhole covers

| Model                   | Extended length m | Type   | kg  | No.          |
|-------------------------|-------------------|--------|-----|--------------|
| For spirals Ø 16, 22 mm | 1.4 - 2.3         | 2 pcs. | 3.0 | <b>72130</b> |



### ROWONAL care and rust remover

- For cleaning, preservation and protection of spirals, couplings and tools
- For cleaning, rust-removal



No. 72142

| Model            | Contents | g     | No.          |
|------------------|----------|-------|--------------|
| Spray can        | 0.2 l    | 220   | <b>72142</b> |
| Plastic canister | 5.0 l    | 5,100 | <b>72140</b> |

### Spiral guide gloves

- For safe grasping and guiding of cleaning spirals

#### Guide gloves, leather:

- Full leather with short cuff
- Robust and comfortable, inner glove surface studded
- Only to be used with hygiene glove



No. 1500000439



No. 72120 / 72121

| Model                       | g   | No.               |
|-----------------------------|-----|-------------------|
| Guide gloves left, leather  | 190 | <b>72120</b>      |
| Guide gloves right, leather | 190 | <b>72121</b>      |
| Guide gloves (pair), rubber | 160 | <b>1500000439</b> |

### Separating pin

- For disconnecting spirals and spiral tools

| Model                                   | g  | No.          |
|---|----|--------------|
| For spirals / tools with Ø 16 mm        | 20 | <b>72100</b> |
| For spirals / tools with Ø 22 and 32 mm | 30 | <b>72101</b> |
| For spirals / tools with Ø 8 mm         | 15 | <b>72102</b> |



No. 72100



No. 72101

### Spiral baskets

- Safe storage combined with convenient transport
- Perfectly suited for cleaning and preservation

| Model                              | Spiral length max. | kg  | No.          |
|------------------------------------|--------------------|-----|--------------|
| For spirals / tools w/ Ø 16 mm     | 34.5 m             | 1.3 | <b>72110</b> |
| For spirals / tools w/ Ø 22 mm     | 22.5 m             | 1.6 | <b>72112</b> |
| For spirals / tools w/ Ø 22, 32 mm | 22.5 m             | 2.3 | <b>72111</b> |



No. 72110



No. 72111



No. 72112

# Flushing and pipe cleaning

## Pipe cleaning spirals

### ROTHENBERGER high-performance drain cleaning spirals

For the toughest demands during continuous operation

**Product profile**

**KEY FEATURES**

- **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

### ROTHENBERGER locking



#### 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

#### Insertion taper

Simple coupling of spirals and tools



**KEY FEATURES**

- **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. 1.1200

**Specially hardened** and tempered

**Safety T-groove coupling system** with NIROSTA- pressure pin locking mechanism

**Spring mounted** NIROSTA pressure pin with NIROSTA spring

#### ROPOWER profile cable

Additional cleaning effect with the squared profile



#### Plastic core

Spiral won't clog with dirt



#### T-groove made of Nirosta steel

Long lasting and high functional safety with the high-quality coupling design

| Spiral / type   | Short distance many bends | Long distance straight run | No clogging of the spiral with dirt | Additional cleaning power |
|-----------------|---------------------------|----------------------------|-------------------------------------|---------------------------|
| Standard spiral | ●                         | ○                          | ○                                   | ○                         |
| SMK-spiral      | ●                         | ○                          | ●                                   | ○                         |
| S-spiral        | ○                         | ●                          | ○                                   | ○                         |
| S-SMK-spiral    | ○                         | ●                          | ●                                   | ○                         |
| ROPOWER profile | ○                         | ●                          | ●                                   | ●                         |

○ not suitable    ● suitable

### ROPOWER profile cable

Spiral with special galvanized wire shape

#### KEY FEATURES

- 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

| mm   | Core | Inch | L<br>m | kg  | No.          |
|--|------|------|--------|-----|--------------|
| 16   | •    | 5/8" | 2.3    | 1.3 | <b>72490</b> |
| Safety T-groove couplings can be found on  249 |      |      |        |     |              |

### Standard spirals

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



| mm   | Inch   | L<br>m | Wire thickness<br>Ø mm | R/K<br>Type | kg   | No.          |
|--|--------|--------|------------------------|-------------|------|--------------|
| 16   | 5/8"   | 2.3    | 3.0                    | C 8         | 1.05 | <b>72431</b> |
| 22   | 7/8"   | 4.5    | 4.5                    | C 10        | 3.98 | <b>72441</b> |
| 32   | 1.1/4" | 4.5    | 5.0                    | C 11        | 6.29 | <b>72451</b> |
| Safety T-groove couplings can be found on  249 |        |        |                        |             |      |              |

### SMK-spirals

- 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



| mm   | Inch   | L<br>m | Wire thickness<br>Ø mm | R/K<br>Type | kg   | No.          |
|--|--------|--------|------------------------|-------------|------|--------------|
| 16   | 5/8"   | 2.3    | 3.0                    | C 8         | 1.24 | <b>72433</b> |
| 22   | 7/8"   | 4.5    | 4.5                    | C 10        | 4.64 | <b>72442</b> |
| 32   | 1.1/4" | 4.5    | 5.0                    | C 11        | 7.63 | <b>72452</b> |
| Safety T-groove couplings can be found on  249 |        |        |                        |             |      |              |

### S-spirals

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



| mm   | Inch   | L<br>m | Wire thickness<br>Ø mm | R/K<br>Type | kg   | No.          |
|--|--------|--------|------------------------|-------------|------|--------------|
| 16   | 5/8"   | 2.3    | 3.5                    | E 8         | 3.00 | <b>72428</b> |
| 22   | 7/8"   | 4.5    | 5.0                    | E 10        | 4.18 | <b>72443</b> |
| 32   | 1.1/4" | 4.5    | 6.0                    | E 11        | 6.80 | <b>72453</b> |
| Safety T-groove couplings can be found on  249 |        |        |                        |             |      |              |

### S-SMK-spirals

- 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



| mm   | Inch   | L<br>m | Wire thickness<br>Ø mm | R/K<br>Type | kg   | No.          |
|--|--------|--------|------------------------|-------------|------|--------------|
| 16   | 5/8"   | 2.3    | 3.5                    | E 8         | 1.30 | <b>72435</b> |
| 22   | 7/8"   | 4.5    | 5.0                    | E 10        | 4.78 | <b>72444</b> |
| 32   | 1.1/4" | 4.5    | 6.0                    | E 11        | 7.85 | <b>72455</b> |
| Safety T-groove couplings can be found on  249 |        |        |                        |             |      |              |

### DuraFlex spirals

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



| Model  | kg  |   | No.               |
|--|-----|---|-------------------|
| DuraFlex SMK spiral, 16 mm/5/8"                | 0.8 | 1 | <b>1500003703</b> |
| DuraFlex SMK spiral, 22 mm/7/8"                | 3.8 | 1 | <b>1500003704</b> |
| Safety T-groove couplings can be found on  249 |     |   |                   |



### 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"

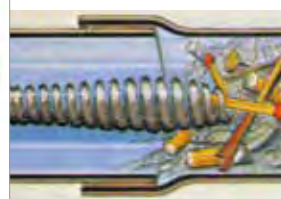
See the following pages for more information on professional tools in various versions and dimensions for loosening obstructions and cleaning drains

### Bulb auger

243



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

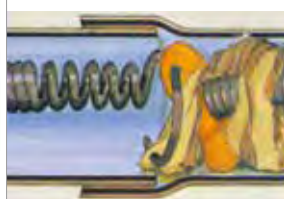


### Retrieving auger

243



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



### Cross-blade cutter, serrated

244



Special tool for opening up solidified pipe obstructions



### Funnel auger

243



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

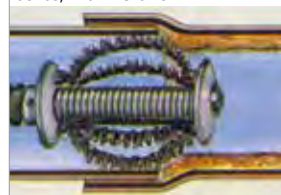


### Chain-spinning head with spikes

245



For concrete, cast iron and ceramic pipes. Intensive action. Without rings = for tight pipe bends, with 3 chains



### Spade head cutter

244



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



### Carbide-tipped cutters

246



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



### Spiral sawtooth cutter

244



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

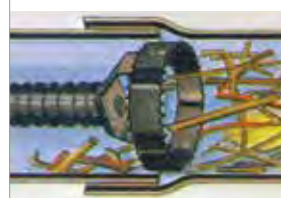


### Two-way root cutter

246



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



### Bulb auger, long

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



| Coupling<br>mm / Inch | mm | L<br>mm | Working range<br>mm | g   | No.          |
|-----------------------|----|---------|---------------------|-----|--------------|
| 16 / 5/8"             | 28 | 500     | 40 - 75             | 220 | <b>72158</b> |
| 22 / 7/8"             | 40 | 500     | 50 - 100            | 464 | <b>72208</b> |

### Straight auger

- 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



| Coupling<br>mm / Inch | mm | L<br>mm | Working range<br>mm | g   | No.          |
|-----------------------|----|---------|---------------------|-----|--------------|
| 16 / 5/8"             | 16 | 110     | 40 - 75             | 60  | <b>72161</b> |
| 22 / 7/8"             | 22 | 210     | 75 - 100            | 170 | <b>72221</b> |
| 32 / 1.1/4"           | 32 | 220     | 100 - 250           | 350 | <b>72321</b> |

### Funnel auger

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



| Coupling<br>mm / Inch | mm | L<br>mm | Working range<br>mm | g   | No.          |
|-----------------------|----|---------|---------------------|-----|--------------|
| 16 / 5/8"             | 32 | 110     | 50 - 100            | 80  | <b>72165</b> |
| 22 / 7/8"             | 55 | 185     | 110 - 150           | 280 | <b>72222</b> |
| 32 / 1.1/4"           | 60 | 195     | 100 - 250           | 500 | <b>72322</b> |

### Bulb Auger, short

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



| Coupling<br>mm / Inch | mm | L<br>mm | Working range<br>mm | g   | No.          |
|-----------------------|----|---------|---------------------|-----|--------------|
| 16 / 5/8"             | 28 | 115     | 40 - 75             | 70  | <b>72163</b> |
| 22 / 7/8"             | 40 | 180     | 75 - 100            | 220 | <b>72263</b> |
| 32 / 1.1/4"           | 50 | 220     | 75 - 250            | 490 | <b>72363</b> |

### Retrieving auger

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



| Coupling<br>mm / Inch | mm | L<br>mm | Working range<br>mm | g   | No.          |
|-----------------------|----|---------|---------------------|-----|--------------|
| 16 / 5/8"             | 35 | 55      | 50 - 75             | 35  | <b>72162</b> |
| 22 / 7/8"             | 45 | 100     | 75 - 150            | 110 | <b>72203</b> |
| 32 / 1.1/4"           | 65 | 125     | 75 - 250            | 240 | <b>72325</b> |

### Drop-head auger

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



| Coupling<br>mm / Inch | mm | L<br>mm | Working range<br>mm | g   | No.          |
|-----------------------|----|---------|---------------------|-----|--------------|
| 16 / 5/8"             | 24 | 83      | 50 - 75             | 60  | <b>72159</b> |
| 22 / 7/8"             | 37 | 125     | 60 - 100            | 180 | <b>72264</b> |

# Flushing and pipe cleaning

## Drain cleaning tools

### Hardened spring steel blades!






No. 72154



No. 72164

### Four-blade cutter

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




| Coupling<br>mm / Inch |  mm |  mm | Working range<br>mm |  g | No.          |
|-----------------------|---|--|---------------------|---|--------------|
| 16 / 5/8"             | 40  | 40   | 50 - 75             | 30  | <b>72154</b> |
| 16 / 5/8"             | 30  | 40   | 50 - 75             | 20  | <b>72164</b> |



No. 72234

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

### Grease cutter




| Coupling<br>mm / Inch |  mm |  mm | Working range<br>mm |  g | No.          |
|-----------------------|---|--|---------------------|---|--------------|
| 16 / 5/8"             | 25  | 35   | 40 - 75             | 30  | <b>72169</b> |
| 16 / 5/8"             | 35  | 45   | 50 - 75             | 40  | <b>72170</b> |
| 16 / 5/8"             | 45  | 56   | 60 - 100            | 50  | <b>72171</b> |
| 22 / 7/8"             | 45  | 60   | 60 - 125            | 80  | <b>72234</b> |



No. 72261

### Spade head cutter

- Curved special tool for silt and sludge deposits




| Coupling<br>mm / Inch |  mm |  mm | Working range<br>mm |  g | No.          |
|-----------------------|--|---|---------------------|---|--------------|
| 22 / 7/8"             | 65   | 65  | 100 - 150           | 150   | <b>72261</b> |
| 32 / 1.1/4"           | 65   | 70  | 100 - 150           | 250   | <b>72360</b> |



No. 72229

### Spiral sawtooth cutter

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

| Coupling<br>mm / Inch |  mm |  mm | Working range<br>mm |  g | No.          |
|-----------------------|---|--|---------------------|---|--------------|
| 16 / 5/8"             | 35  | 25   | 50 - 75             | 40  | <b>72166</b> |
| 22 / 7/8"             | 45  | 40   | 75 - 100            | 100   | <b>72229</b> |
| 32 / 1.1/4"           | 65  | 55   | 75 - 100            | 210   | <b>72329</b> |




- Used for textile or sludge obstructions!
- Hardened, break-proof, spring steel blades!
- Recommended for use with S or SMK-spirals!



No. 72275

### Cross-blade cutter, serrated

- Powerful combination tool for grinding up and removing solidified obstructions
- For coarse removal of incrustations
- As preparatory tool for chain spinning

| Coupling<br>mm / Inch |  mm |  mm | Working range<br>mm |  g | No.          |
|-----------------------|---|--|---------------------|---|--------------|
| 16 / 5/8"             | 25  | 35   | 50 - 75             | 30  | <b>72175</b> |
| 16 / 5/8"             | 35  | 45   | 50 - 75             | 40  | <b>72176</b> |
| 16 / 5/8"             | 45  | 56   | 75 - 100            | 65  | <b>72177</b> |
| 16 / 5/8"             | 55  | 60   | 100 - 125           | 80  | <b>72178</b> |
| 22 / 7/8"             | 45  | 60   | 100 - 125           | 90  | <b>72275</b> |
| 22 / 7/8"             | 65  | 60   | 100 - 150           | 190   | <b>72276</b> |
| 22 / 7/8"             | 75  | 80   | 100 - 150           | 220   | <b>72277</b> |
| 32 / 1.1/4"           | 65  | 70   | 100 - 150           | 260   | <b>72375</b> |
| 32 / 1.1/4"           | 90  | 100  | 125 - 200           | 490   | <b>72376</b> |
| 32 / 1.1/4"           | 115   | 120  | 150 - 250           | 640   | <b>72377</b> |

### Chain-spinning heads

#### Without ring, with smooth chain

##### KEY FEATURES

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






No. 72284

Improved mobility!



No. 72289

#### Chain-spinning heads without ring and without spikes

| Coupling<br>mm / Inch              |  |  | Working range<br>mm |  | No.            |
|------------------------------------|---|---|---------------------|---|----------------|
| <b>Without ring, with 2 chains</b> |   |   |                     |   |                |
| 16 / 5/8"                          | 30  | 105   | 50 - 125            | 120   | <b>072185F</b> |
| 16 / 5/8"                          | 30  | 155   | 100 - 125           | 160   | <b>72185</b>   |
| 22 / 7/8"                          | 50  | 170   | 100 - 150           | 530   | <b>72284</b>   |
| <b>Without ring, with 4 chains</b> |   |   |                     |   |                |
| 16 / 5/8"                          | 40  | 155   | 60 - 125            | 270   | <b>72187</b>   |
| 22 / 7/8"                          | 60  | 170   | 80 - 130            | 710   | <b>72289</b>   |

### Chain-spinning heads with spikes

##### KEY FEATURES

- 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!

Better alignment in horizontal pipe position!




#### Chain-spinning heads with ring and spikes

| Coupling<br>mm / Inch |  |  | Working range<br>mm |  | No.          |
|-----------------------|---|---|---------------------|---|--------------|
| 22 / 7/8"             | 65  | 170   | 100 - 125           | 1,060   | <b>72285</b> |
| 22 / 7/8"             | 75  | 170   | 100 - 150           | 1,110   | <b>72286</b> |
| 32 / 1.1/4"           | 75  | 220   | 100 - 125           | 1,700   | <b>72341</b> |



No. 72278

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

| Coupling<br>mm / Inch              |  |  | Working range<br>mm |  | No.          |
|------------------------------------|---|---|---------------------|---|--------------|
| <b>Without ring, with 2 chains</b> |   |   |                     |   |              |
| 16 / 5/8"                          | 30  | 155   | 50 - 125            | 160   | <b>72186</b> |
| 22 / 7/8"                          | 50  | 170   | 100 - 150           | 860   | <b>72278</b> |
| <b>Without ring, with 4 chains</b> |   |   |                     |   |              |
| 16 / 5/8"                          | 40  | 155   | 75 - 125            | 280   | <b>72188</b> |
| 22 / 7/8"                          | 60  | 170   | 100 - 150           | 880   | <b>72299</b> |
| 32 / 1.1/4"                        | 80  | 220   | 100 - 200           | 1,460   | <b>72348</b> |



No. 72188

For better curve manoeuvrability!



# Flushing and pipe cleaning



## Drain cleaning tools

### Carbide-tipped cutters

- 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!






| Coupling<br>mm / Inch |  mm | Form     | Working range<br>mm |  g | No.          |
|-----------------------|---|----------|---------------------|--|--------------|
| 16 / 5/8"             | 30  | straight | 50 - 75             | 80   | <b>72193</b> |
| 22 / 7/8"             | 45  | pointed  | 60 - 100            | 320  | <b>72295</b> |
| 32 / 1.1/4"           | 80  | straight | 100 - 200           | 530  | <b>72398</b> |

### Two-way root cutter

- 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!






| Coupling<br>mm / Inch |  mm |  mm | Working range<br>mm |  g | No.          |
|-----------------------|--|--|---------------------|---|--------------|
| 22 / 7/8"             | 65   | 80   | 100 - 125           | 250   | <b>72265</b> |
| 22 / 7/8"             | 90   | 85   | 125 - 200           | 290   | <b>72266</b> |
| 32 / 1.1/4"           | 65   | 80   | 100 - 125           | 290   | <b>72365</b> |
| 32 / 1.1/4"           | 90   | 90   | 125 - 200           | 330   | <b>72366</b> |

### Serrated forked cutter

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





| Coupling<br>mm / Inch |  mm |  mm | Working range<br>mm |  g | No.          |
|-----------------------|--|--|---------------------|---|--------------|
| 22 / 7/8"             | 76   | 100  | 100 - 150           | 230   | <b>72250</b> |
| 22 / 7/8"             | 100  | 100  | 125 - 150           |   | <b>72251</b> |
| 32 / 1.1/4"           | 76   | 100  | 120 - 200           | 260   | <b>72350</b> |
| 32 / 1.1/4"           | 100  | 100  | 125 - 200           |   | <b>72351</b> |

### Ball head cutter

- 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°



| Coupling<br>mm / Inch | Working range<br>mm |  mm |  g | No.          |
|-----------------------|---------------------|--|---|--------------|
| <b>4 Blades</b>       |                     |  |   |              |
| 16 / 5/8"             | 50 - 75             | 25   | 42  | <b>72168</b> |
| 16 / 5/8"             | 50 - 75             | 35   | 80  | <b>72172</b> |
| 22 / 7/8"             | 100 - 125           | 55   | 198   | <b>72223</b> |
| 22 / 7/8"             | 100 - 150           | 75   | 438   | <b>72224</b> |
| 22 / 7/8"             | 100 - 150           | 95   | 634   | <b>72226</b> |
| 32 / 1.1/4"           | 100 - 125           | 55   | 228   | <b>72324</b> |
| 32 / 1.1/4"           | 100 - 150           | 75   | 468   | <b>72326</b> |
| <b>8 Blades</b>       |                     |  |   |              |
| 22 / 7/8"             | 125 - 150           | 90   | 1,025   | <b>72227</b> |
| 22 / 7/8"             | 125 - 150           | 115  | 1,225   | <b>72228</b> |
| 32 / 1.1/4"           | 125 - 200           | 95   | 1,108   | <b>72327</b> |
| 32 / 1.1/4"           | 150 - 200           | 115  | 1,256   | <b>72328</b> |

### Tool set L

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                                  | No.   |
|--|-------|
| 16 mm tool set L (R 550, R 600, R 650) | 72936 |

### Tool set S

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                                  | No.   |
|--|-------|
| 16 mm tool set S (R 550, R 600, R 650) | 72937 |

### Tool set L

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                                  | No.   |
|--|-------|
| 22 mm tool set L (R 600, R 650, R 750) | 72938 |

### Tool set S

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                                  | No.   |
|--|-------|
| 22 mm tool set S (R 600, R 650, R 750) | 72939 |

# Flushing and pipe cleaning

## Drain cleaning tools

With Locking



### Spiral and tool sets

Standard Ø 16 mm



Set (No. 072945X) includes: spiral basket 16 mm (No. 72110), 5 x 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          | Description           | kg   | No.            |
|----------------|-----------------------|------|----------------|
| Standard 16 mm | with standard spirals | 12.0 | <b>072945X</b> |

### Spiral and tool sets

Standard Ø 16 / 22 mm



Set (No. 072956X) includes: spiral basket 16 mm (No. 72110), 5 x 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 x 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               | Description           | kg   | No.            |
|---------------------|-----------------------|------|----------------|
| Standard 16 - 22 mm | with standard spirals | 38.0 | <b>072956X</b> |
| SMK 16 - 22 mm      | with SMK-spirals      | 39.0 | <b>072967X</b> |

### Spiral and tool sets

Standard Ø 22 mm



Set (No. 072955X) includes: spiral basket 22 mm (No. 72112), 5 x 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          | Description           | kg   | No.            |
|----------------|-----------------------|------|----------------|
| Standard 22 mm | with standard spirals | 24.0 | <b>072955X</b> |

### Spiral and tool sets

Standard Ø 32 mm



Set (No. 072962X) includes: spiral basket 32 mm (No. 72111), 5 x 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          | Description           | kg   | No.            |
|----------------|-----------------------|------|----------------|
| Standard 32 mm | with standard spirals | 37.0 | <b>072962X</b> |



### DuraFlex spiral and tool set

Standard Ø 16 / 22 mm

RO  
CASE



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. 15000003704), ROCase (No. 1300003334) with inlay (No. 1300003372), straight auger 22 mm (No. 72221), bulb auger 22 mm (No. 72263), funnel auger 22 mm (No. 72222), spade head cutter 22/65 mm (No. 72261), serrated forked cutter 22/76 mm (No. 72250), separating pin 22/32 mm (No. 72101), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142)

| Model                                      | kg   | No.        |
|--|------|------------|
| DuraFlex SMK spiral and tool set, 16/22 mm | 34.0 | 1500003705 |

### Spirals 8 mm / 10 mm

For ROSPI H+E PLUS, ROSPI R 36 PLUS, ROSPIMATIC and adaptor magazine

#### KEY FEATURES

- 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 650

| mm  | Wire Ø | m    | Type     | Steel core | Use for ROSPI | kg     | No.    |
|-----|--------|------|----------|------------|---------------|--------|--------|
| 6.4 | 2 mm   | 4.5  | -        | -          | R 6           | 0.8    | 72522  |
| 8   | 2 mm   | 7.5  | C 1      | -          | R 8 - R 36    | 1.8    | 72412  |
| 8   | 2 mm   | 7.5  | C 1 - IC | ●          | R 8 - R 36    | 2.3    | 72413  |
| 8   | 2 mm   | 10.0 | -        | -          | R 8 - R 36    | 2.4    | 72414  |
| 8   | 2 mm   | 10.0 | -        | ●          | R 10 - R 36   | 3.0    | 72415  |
| 10  | 2.5 mm | 10.0 | C 5      | -          | R 10 - R 36   | 3.5    | 72422  |
| 10  | 2.5 mm | 7.5  | C 4      | -          | R 10 - R 36   | 2.9    | 72420  |
| 10  | 2.5 mm | 7.5  | C 4 - IC | ●          | R 10 - R 36   | 72424  |        |
| 10  | 2.5 mm | 7.5  | -        | -          | R 10 - R 36   | 72421* |        |
| 10  | 2.5 mm | 7.5  | -        | ●          | R 10 - R 36   | 2.9    | 72423* |

\*with T-groove coupling

- 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 stretch tap



No. 72412



No. 72421 / No. 72423

### Reducing / extension pieces

#### For spirals with T-coupling

Within limits, tools with larger or smaller lead-ins can also be adapted

| Model           | negative | positive | g   | No.   |
|-----------------|----------|----------|-----|-------|
| Extension piece | 16 mm    | 22 mm    | 140 | 72461 |
| Reducing piece  | 22 mm    | 16 mm    | 150 | 72460 |
| Extension piece | 22 mm    | 32 mm    | 320 | 72463 |

Extension piece



No. 72461

Reducing piece



No. 72460

### Safety T-couplings

| Model                        | g  | 16 mm<br>5/8" | g  | 22 mm<br>7/8" |
|------------------------------|----|---------------|----|---------------|
| for Standard and SMK-spirals |    |               |    |               |
| positive                     | 20 | 72150         | 40 | 72210         |
| negative                     | 20 | 72151         | 40 | 72211         |

for Standard and SMK-spirals



No. 72210

No. 72211

Fixing of broken spirals!



# Flushing and pipe cleaning

## High-pressure drain cleaning

High-pressure drain cleaning

|                      |   |   |
|----------------------|---|---|
|                      | <div> <div>HD 13/100</div>  </div> | <div> <div>HD 17/190</div>  </div> |
| Operation mode:      | 230 V   | 400 V   |
| Max. pipe diameter:  | Ø 150 mm  | Ø 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

Ø 150 mm



| KEY FEATURES             |  |
|--------------------------|--|
| ●                        | Air-filled transport wheels, easy to navigate stairs |
| ●                        | AC supplied, self-priming up to 2 m                  |
| TECHNICAL DATA           |  |
| Max. operating pressure: | 100 bar  |
| Electric motor:          | AC supply  |
| Pump delivery:           | 13 l/min   |
| Rating:                  | 2.3 kW   |
| Max. working length:     | 20 m   |
| Speed:                   | 1,400 rpm  |

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  |  | 230 V / 50 Hz |
| High-pressure pipe cleaning unit HD 13 / 100 45.0 <b>76020</b> |   |               |

### HD 17/190


190 bar high-pressure pipe cleaning unit with three-phase motor

Ø 200 mm



| KEY FEATURES             |  |
|--------------------------|--|
| ●                        | Three-phase motor, self-priming up to 2 m            |
| ●                        | Air-filled transport wheels, easy to navigate stairs |
| TECHNICAL DATA           |  |
| Max. operating pressure: | 190 bar  |
| Pump delivery:           | 17 l/min   |
| Max. working length:     | 40 m   |
| Electric motor:          | Three phase  |
| Rating:                  | 5.0 kW   |
| Speed:                   | 2,800 rpm  |

Scope of delivery: HD 17 / 190 (No. 76070), hose reel with 40 m special high-pressure hose DN 8 with couplings (No. 72820) and pipe cleaning nozzle (No. 76089)


|  |   |               |
|--|---|---------------|
| Model  |  | 400 V / 50 Hz |
| High-pressure pipe cleaning unit HD 17 / 190 50.0 <b>76070</b> |   |               |

### ACCESSORIES HD 13/100 – 17/190 – 19/180



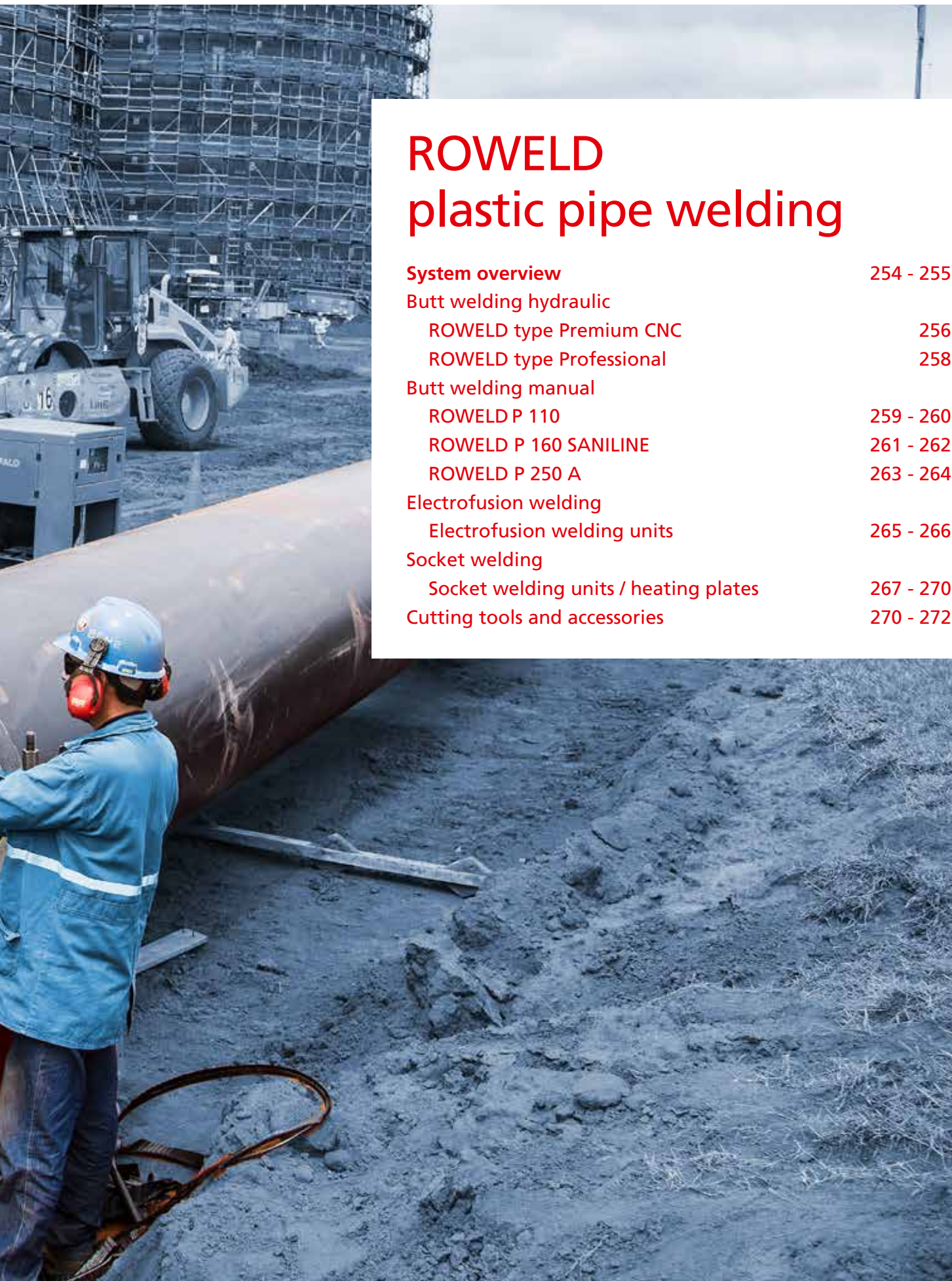
No. 76067

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| Model   |  kg | No.          |
|---|--|--------------|
| Flexible, high-pressure hose with R 1/4" coupling |  |              |
| Length 40 m, NW 8 (HD 17/190, HD 19/180 B)        | 10.70  | <b>72820</b> |
| Pipe cleaning nozzles R1/4", stainless steel      | 0.04   | <b>76089</b> |
| excl. forward jet spray, 4 holes, Ø 25 x 22 mm    |  |              |
| incl. forward jet spray, 5 holes, Ø 25 x 22 mm    | 0.04   | <b>76065</b> |
| Rotary nozzle 45°, 4 holes, Ø 16 x 30 mm          | 0.08   | <b>77506</b> |
| Cleaning lance with wide-angle nozzle             | 1.30   | <b>76068</b> |
| for surface cleaning                              |  |              |
| Spare wide-angle nozzle                           | 0.01   | <b>76088</b> |







# ROWELD

## plastic pipe welding

|                                       |           |
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# Plastic pipe welding

## System overview

### Butt welding hydraulic

#### ROWELD type Premium CNC



#### ROWELD type Professional

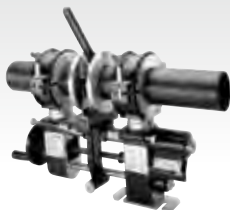


(Fig. similar)

|                      |                          |                 |
|----------------------|--------------------------|-----------------|
| Suited for:          | PE, PP, PVDF             | PE, PP, PVDF    |
| Outer pipe diameter: | Ø 90 - 630 mm            | Ø 40 - 1200 mm  |
| Operation mode:      | Automatic CNC controlled | Manual          |
| Voltage:             | 230 V, 50/60 Hz          | 230 V, 50/60 Hz |
| Documentation:       | ✓                        | –               |
| Page                 | 256                      | 258             |

### Butt welding manual

#### ROWELD P 110



#### ROWELD P 160



#### ROWELD P 250 A



|                      |                    |                    |                    |
|----------------------|--------------------|--------------------|--------------------|
| Suited for:          | PE, PP, PVDF       | PE, PP, PVDF       | PE, PP, PVDF       |
| Outer pipe diameter: | Ø 20 - 110 mm      | Ø 40 - 160 mm      | Ø 40 - 250 mm      |
| Wall thickness:      | see technical data | see technical data | see technical data |
| Operation mode:      | Manual             | Manual             | Manual             |
| Page                 | 259                | 261                | 263                |

### Electrofusion welding

#### ROFUSE 1200 TURBO



#### ROFUSE 400 TURBO



#### ROFUSE Sani 160 / 315



|                      |                                    |                                    |                                    |
|----------------------|------------------------------------|------------------------------------|------------------------------------|
| Suited for:          | PE, PP                             | PE, PP                             | PE                                 |
| Outer pipe diameter: | Up to Ø 1200 mm <sup>1)</sup>      | Up to Ø 400 mm                     | Up to Ø 160 / 315 mm               |
| Fitting type:        | Fittings for pressure pipe systems | Fittings for pressure pipe systems | Fittings for drainage pipe systems |
| Voltage:             | 8 - 48 V                           | 8 - 48 V                           | 230 V                              |
| Documentation:       | ✓                                  | ✓                                  | –                                  |
| Page                 | 265                                | 265                                | 266                                |

### Socket welding

**ROWELD P 63 S-6**



**ROWELD P 125**



|                      |                    |                              |
|----------------------|--------------------|------------------------------|
| Suited for:          | PE, PP             | PE, PP                       |
| Outer pipe diameter: | Ø 32 - 63 mm       | Ø 16 - 125 mm                |
| Wall thickness:      | see technical data | see technical data           |
| Operation mode:      | Electric           | Electric                     |
| Function:            | Socket welding     | Butt welding, socket welding |

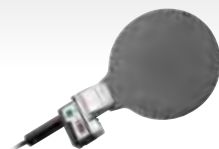
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### Socket welding

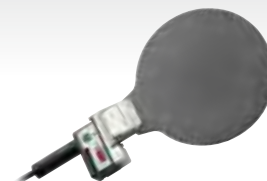
**Heating element HE 120**



**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     |
| Wall thickness:      | see technical data | see technical data | see technical data |
| Operation mode:      | –                  | –                  | –                  |

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### Cutting

**ROCUT XL 125**



**ROCUT XL 225**



**ROCUT XL 315**



**ROCUT UKS 160 / 355**



|                      |                    |                  |                  |                  |
|----------------------|--------------------|------------------|------------------|------------------|
| Suited for:          | PE                 | PE               | PE               | PE, PP, PVC      |
| Outer pipe diameter: | Up to Ø 125 mm     | Up to Ø 225 mm   | Up to Ø 315 mm   | Ø 160 - 355 mm   |
| Wall thickness:      | Up to max. 11,4 mm | Up to max. 18 mm | Up to max. 18 mm | Up to max. 40 mm |
| Operation mode:      | Manual             | Manual           | Manual           | Electrical       |
| Function:            | Cutting            | Cutting          | Cutting          | Cutting          |

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# Plastic pipe welding

## Butt welding

### ROWELD type Premium CNC

#### Hydraulic butt-welding machine Ø 90 - 1200 mm

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

| Product profile  |              |
|--|--------------|
| APPLICATION AREA   |              |
| The ROWELD Hydraulic Premium CNC with integrated CNC control and touch screen panel for the quick and reliable saving of the welding parameters in accordance with DVS and other applicable international guidelines and standards. Data transfer via USB interface. |              |
| WORKING RANGE  |              |
| Model  | Ø mm         |
| P 250 B SA   | 90 - 250 mm  |
| P 250 B VA   | 90 - 250 mm  |
| P 355 B SA   | 90 - 355 mm  |
| P 355 B VA   | 90 - 355 mm  |
| P 500 B SA   | 200 - 500 mm |
| P 630 B SA   | 315 - 630 mm |

SA = semi-automatic, VA = fully automatic

#### Flexible

The 3rd basic damping element can be moved flexibly



Set P 355 B  
No. 1000000563

#### Robust, torsionally rigid frame

Allows reliable weldings in virtually any environment

#### TECHNICAL DATA

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

#### Simple operation

Ideally matched components allow precise start-up of the pressure



#### Safe

Perfect parking for trimmer and heating plate



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



The new generation of ROWELD hydraulic controls for butt welding

The ROWELD hydraulic unit is available in a Professional and Premium CNC version.

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





# Plastic pipe welding

## Butt welding

### ROWELD type Professional

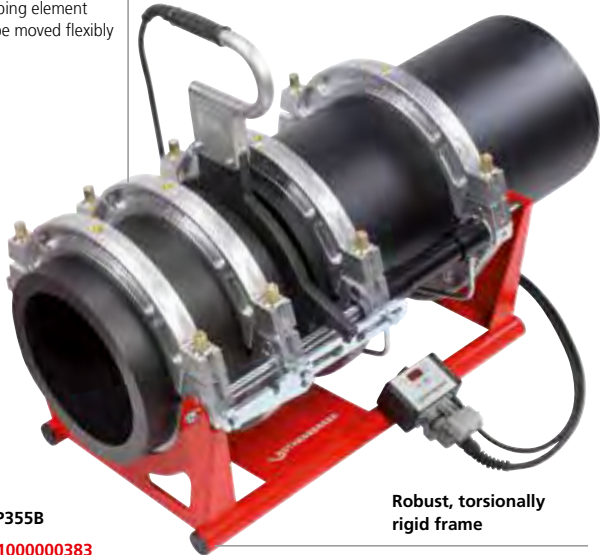
Hydraulic butt welding machine Ø 40 - 1200 mm  
Selection of components with a long service life ensures a low maintenance, robust and reliable operating mode.

| Product profile   |
|---|
| APPLICATION AREA  |
| Butt welding of PE, PP and PVDF pipes and moulded bodies. For use on the building site, in pipe trenches, on pipe bridges and in workshops. The ROWELD hydraulic type Professional with infinite pressure adjustment, an easily legible manometer and pressure reservoir for welding according to DVS and other internationally valid guidelines and standards. |

| WORKING RANGE |              |
|---------------|--------------|
| Model         | Ø mm         |
| P 160 B       | 40 - 160 mm  |
| P 200 B       | 63 - 200 mm  |
| P 250 B       | 90 - 250 mm  |
| P 355 B       | 90 - 355 mm  |
| P 500 B       | 200 - 500 mm |
| P 630 B       | 315 - 630 mm |
| P 800 B       | 500 - 800 mm |
| P 1200 B      | 710 -1200 mm |

#### 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

#### Simple operation

Ideally matched components allow precise start-up of the pressure



Fig. similar

#### Safe

Perfect parking for trimmer and heating plate



Supply of power for heating element and trimmer unit over Professional Hydraulic (P 160 B-P 355 B)



Electronic control for heating element can be placed flexibly using a magnet (P 355 B)



Professional Hydraulic with large, easily legible manometer as well as a pressure limiting and pressure relieving valve



The pull-off fixture allows rapid lifting out of the heating element



# Plastic pipe welding

## Butt welding

### ROWELD P 110

Plastic pipe welding machine Ø 20 - 110 mm



| Product profile  |
|--|
| APPLICATION AREA   |
| For butt welding of pipes and fittings made of PE, PP, PB and PVDF. Particularly suited for installation work and for work in confined spaces - also in pipe networks                  |
| KEY FEATURES   |
| <ul style="list-style-type: none"> <li>● Production of segmented bends possible</li> <li>● Precise pressure adjustment</li> <li>● Single and double-sided trimming possible</li> </ul> |

| KEY FEATURES   |
|--|
| <ul style="list-style-type: none"> <li>● Production of pipe and fitting joints</li> <li>● Secure hold and simple axial pipe alignment</li> </ul> |
| TECHNICAL DATA   |
| <b>Pipe diameter:</b> Ø 20 - 90 mm    (SDR 41 - SDR 7.25)<br>Ø 20 - 110 mm   (SDR 41 - SDR 11)   |
| <b>Weight:</b> 8.5 kg  |
| <b>Size:</b> 450 mm total length   |

**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 (Ø 20 - 90 mm) for pipes and pipe joints**

Secure hold and simple axial pipe alignment

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

Segmented bends can be produced

**Direct force transmission and clear force scale**

Precise pressure adjustment

Rectangular heating element

Joints between fittings and pipes with narrow and wide clamping elements

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

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

| Model                 | Working range<br>Ø mm       | Temperature control | kg | 230 V<br>50/60 Hz | 110/115 V<br>50/60 Hz |
|-----------------------|-----------------------------|---------------------|----|-------------------|-----------------------|
| ROWELD P 110 complete | 40, 50, 56, 63, 75, 90, 110 | electronically      | 43 | <b>55844</b>      | <b>55924</b>          |

# Plastic pipe welding

## Butt welding

### ROWELD P 110 basic machine

| Model   | kg  | No.          |
|---|-----|--------------|
| ROWELD P 110 basic machine<br>with table mounting bracket | 6.8 | <b>55787</b> |



### Basic clamping set 110 mm

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



### Reduction inserts wide P 110

Each set includes 4 aluminium half-shells

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



### Reduction inserts narrow P 110

Each set includes 4 metal half-shells

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



### Manual trimmer unit

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



### Heating plate

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

| Model                     | kg  | 230 V<br>50/60 Hz | 110/115 V<br>50/60 Hz |
|---------------------------|-----|-------------------|-----------------------|
| Electronically controlled | 2.6 | <b>55324</b>      | <b>55918</b>          |
| Table clamp               | 0.7 | <b>55524</b>      | <b>55524</b>          |



### Flange adaptor clamping unit

For centred welding of flanges

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



# Plastic pipe welding

## Butt welding

### ROWELD P 160 SANILINE

Plastic sanitary pipe welding machine from Ø 40 - 160 mm



#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

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

##### KEY FEATURES

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

##### TECHNICAL DATA

|                |               |                 |
|----------------|---------------|-----------------|
| Pipe diameter: | Ø 40 - 110 mm | (SDR 41 - 7.25) |
|                | Ø 40 - 140 mm | (SDR 41 - 11)   |
|                | Ø 40 - 160 mm | (SDR 41 - 17)   |
| Weight:        | 34.4 kg       |                 |
| Heating plate: | 800 W         |                 |
| Trimmer unit:  | 1050 W        |                 |

#### Multi-faceted options for clamping

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

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

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

The pressure applied can be adjusted separately on both sides

One-sided and two-sided milling is possible

Direct force transmission and a clearly arranged force scale

Precise force adjustment

#### ROCASE 4414

Additional storage for accessories and tools

P 160 SANILINE complete  
(No. 1000002964)



Trimmer attachment  
(No. 54040) (special accessories)



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



Set (No. 1000002964) includes: Basic unit with electric trimmer, electrically adjustable heating element, removable. Pipe support Ø 160 mm, reducer clamp and support set for Ø 40, 50, 63, 75, 90, 110 and 125 mm in ROCASE 4414 (No. 1000002970), installation tools, mobile work and transport frame (No. 1000002971)



| Model                 | Working range<br>Ø mm                                | Temperature control | kg   | 230 V<br>50 Hz |
|-----------------------|--|---------------------|------|----------------|
| ROWELD P 160 SANILINE | 40, 50, 63, 75, 90, 110, 125, 160                    | electronically      | 57.4 | 1000002964     |
| ROWELD P 160 SANILINE | 40, 50, 63, 75, 90, 110, 125, 160 incl. 56 mm insert | electronically      | 57.5 | 1000002967     |



# Plastic pipe welding

## Butt welding

### ROWELD P 160 SANILINE basic machine

Basic machine includes: Trimmer unit (1050 W), heating plate (800 W), basic clamp set Ø 40 - 160 mm

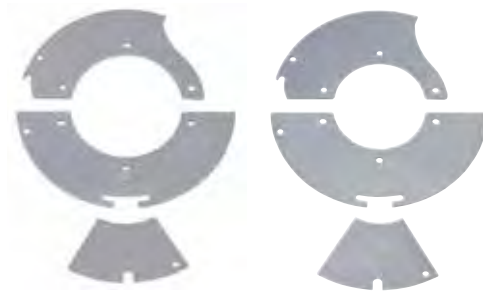


| Model                                  | kg   | 230 V<br>50 Hz |
|--|------|----------------|
| ROWELD P 160 SANILINE<br>Basic machine | 34.4 | <b>54005</b>   |

### Reduction inserts P 160 SANILINE

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

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



### Trimmer adaptor P 160 SANILINE

(special accessories)

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

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

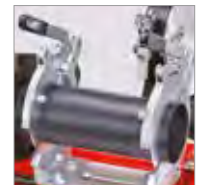


### Basic clamping set P 160 SANILINE

(special accessories)

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

| Model                       | kg  | No.          |
|-----------------------------|-----|--------------|
| Basic clamping set Ø 160 mm | 5.3 | <b>54082</b> |



### ROWELD P 160 SANILINE Conversion Kit

Converting existing ROWELD P 160 SANILINE with universal clamp system

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

| Model   | Working range Ø mm                  | kg    | No.                  |
|---|-------------------------------------|-------|----------------------|
| Conversion Kit                                | 40, 50, 63, 75, 90<br>110, 125, 160 | 11.20 | <b>54080</b>         |
| Trolley and transport sub-frame               |                                     | 11.30 | <b>1000002971</b>    |
| Folding trolley                               |                                     | 20.00 | <b>56051</b>         |
| ROCASE for reducers                           |                                     | 1.70  | <b>1000002970</b>    |
| Open-ended spanner SW 17 DIN 894              |                                     | 0.05  | <b>310411</b>        |
| Trimmer unit blades 75 mm (set = 2 blades)    |                                     | 0.10  | <b>55685</b>         |
| Blades 35 mm for trimmer adaptor              |                                     | 0.01  | <b>55686</b>         |
| Heating plate 230 V / 115 V / 110 V           |                                     | 1.92  | <b>55316 / 55851</b> |
| Trimmer blade, carbide 75 mm (set = 2 blades) |                                     | 0.05  | <b>55684</b>         |



# Plastic pipe welding

## Butt welding

### ROWELD P 250 A

Plastic pipe welding machine Ø 40 - 250 mm



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

| KEY FEATURES  |
|---|
| <ul style="list-style-type: none"> <li>• Precise welding pressure adjustments on the clear force scale</li> <li>• Reliable, warp-resistant transfer of the welding pressure</li> <li>• Stable working table always available</li> </ul>                     |
| TECHNICAL DATA  |
| <b>Pipe diameter:</b> <div> <div>Ø 40 - 110 mm (SDR 41 - SDR 7.25)</div> <div>Ø 40 - 125 mm (SDR 41 - SDR 11)</div> <div>Ø 40 - 200 mm (SDR 41 - SDR 17)</div> <div>Ø 40 - 225 mm (SDR 41 - SDR 26)</div> <div>Ø 40 - 250 mm (SDR 41 - SDR 33)</div> </div> |
| <b>Weight:</b> 36.4 kg  |
| <b>Trimmer unit:</b> 450 W  |
| <b>Heating plate:</b> 1200 W  |

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

Protects against unintentional starting and derailing of the trimmer unit

Removable heating plate

Versatile for difficult situations

Mechanical stop adjustable from both sides


Single and double-sided trimming possible

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

Reliable, warp-resistant transfer of the welding pressure

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

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

| Model                        | Working range<br>Ø mm                                     | Temperature control |  | 230 V<br>50 Hz |
|------------------------------|---|---------------------|---|----------------|
| ROWELD P 250 A Set           | 40, 50, 56, 63, 75, 90, 110, 125, 160, 180, 200, 225, 250 | electronically      | 131.0   | 55795          |
| ROWELD P 250 A basic machine |   |                     | 36.1  | 55768          |

# Plastic pipe welding

## Butt welding

### ROWELD P 250 A set Basic machine with trimmer unit

**Set (No. 55795) includes:** holder for heating plate, electronically adjustable heating plate, basic clamping set Ø 160 mm and 250 mm support fork inserts Ø 160 mm and 250 mm, reducer inserts and support fork inserts from Ø 40 - 140 mm and Ø 180 - 225 mm, installation tools, steel transport box 800 x 520 x 765 mm (LxWxH) and steel carrying case for reducer and support fork inserts



### Basic clamping set P 250 A

Set includes: 2 basic clamps and 2 support forks

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



### Reduction inserts P 250 A

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

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



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### Heating plate

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

| Model                     | kg   | 230 V<br>50 / 60 Hz | 110 V / 115 V<br>50 / 60 Hz |
|---------------------------|------|---------------------|-----------------------------|
| Electronically controlled | 5.35 | 55317               | 55854                       |

### Spare parts

| Model                               | kg    | 230 V<br>50 / 60 Hz | 110 V / 115 V<br>50 / 60 Hz |
|-------------------------------------|-------|---------------------|-----------------------------|
| Spare blade (1 set = 2 pcs.)        | 0.10  |                     | 55163                       |
| Hex key size 8                      | 0.20  | 321218              | 321218                      |
| Transport box, protective cover red | 25.00 | 55759               | 55759                       |
| Steel carrying case                 | 2.82  | 54020               | 54020                       |



# Plastic pipe welding

## Electrofusion welding

### ROFUSE 400 / 1200 TURBO

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



#### Product profile

##### KEY FEATURES

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

##### TECHNICAL DATA:

|   |                        |
|---|------------------------|
| <b>Mains voltage:</b>                   | 230 V                  |
| <b>Frequency:</b>                       | 50/60 Hz               |
| <b>Power:</b>                           | 3,000 VA, 70 % ED      |
| <b>Output current (nominal output):</b> | 80 A                   |
| <b>Welding voltage:</b>                 | 8 - 48 V               |
| <b>Ambient temperature:</b>             | -10 °C up to 60 °C     |
| <b>Working range</b>                    |                        |
| <b>ROFUSE 400 TURBO:</b>                | Fittings up to 400 mm  |
| <b>ROFUSE 1200 TURBO:</b>               | Fittings up to 1200 mm |
| <b>Protection class:</b>                | IP 54                  |
| <b>Transmission interface:</b>          | USB v. 2.0             |
| <b>Storage capacity:</b>                | 2000 welding logs      |
| <b>Weight incl. welding cable:</b>      | approx. 21.5 kg        |
| <b>(Basic unit without accessories)</b> |                        |

#### Language neutral instruction manual

Easy to operate

#### Practical pocket

for the welder's name and scan site-code

#### USB

Simple data transmission

#### Height-adjustable cover

Can be used as a sun shield

#### Clear display

Allows intuitive operation. The program sequence can be adapted individually

#### Robust housing

The cable can be stowed away securely

#### Wireless scanner

Simple and unlimited handling



| Model            | kg   | No.        |
|------------------|------|------------|
| ROFUSE 400 TURBO | 21.5 | 1000000999 |

| Model             | kg   | No.        |
|-------------------|------|------------|
| ROFUSE 1200 TURBO | 21.5 | 1000001000 |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries



# Plastic pipe welding

## Electrofusion welding

### ROWELD ROFUSE Sani 160/315

Universal electro-fusion welding unit for drainage pipe with welding sockets up to Ø 315 mm



| Product profile  |   |
|--|---|
| APPLICATION AREA   |   |
| Universal electrofusion welding unit for PE drainage pipe fittings. For the following makes:   |   |
| 40 - 160 mm:   | Geberit, Akatherm-EUR, Coes, Valsir, WAVIN-Duo, Aquatherm and Vulcathene-Euro |
| 200 - 315 mm:  | Valsir, Akatherm, Eurofusion, Geberit and Coes                                |
| KEY FEATURES   |   |
| <ul style="list-style-type: none"><li>● Microprocessor controlled welding unit with automatic temperature and voltage compensation</li><li>● Icon-based software for intuitive and easy operation</li><li>● Visual monitoring of the welding process via large illuminated display</li><li>● Robust and impact-resistant housing (IP 54)</li><li>● Automatic welding parameter detection</li></ul> |   |

| TECHNICAL DATA     |  |
|--------------------|--|
| Input voltage:     | 180 - 280 V (230 V)                                    |
| Frequency:         | 40 - 70 Hz   |
| Output voltage:    | 5 A controlled   |
| Protection class:  | IP 54  |
| Working range:     | up to Ø 160 mm (Sani 160)<br>up to Ø 315 mm (Sani 315) |
| Temperature range: | -5 °C up to + 40 °C                                    |
| Weight:            | 2.4 kg (Sani 160)<br>3.9 kg (Sani 315)                 |
| Dimensions:        | 110 x 200 x 80 mm                                      |
| Welding cable:     | 3 m  |

#### Welding in confined spaces

90° angled plugs ensure low installation height

#### 3 m welding cable

Large operating radius

#### Impact-resistant housing (IP 54)

Robust

#### Large illuminated display

Easy monitoring of the welding process

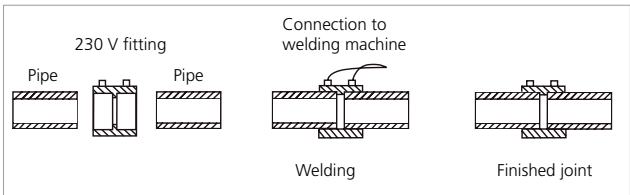
#### Intuitive and easy operation

Icon-based software control with automatic welding parameter detection

#### 90° angled plugs



#### Robust packaging in ROCASE



| Model                            | kg  | No.        |
|----------------------------------|-----|------------|
| ROWELD ROFUSE Sani 160 in ROCASE | 2.4 | 1000002630 |
| ROWELD ROFUSE Sani 315 in ROCASE | 3.9 | 1000002631 |

### ROWELD P 63 S-6 Sword

Socket welding unit Ø 20 - 63 mm



#### Product profile

##### APPLICATION AREA

Socket welding unit for use with heating spigots and heating sockets Ø 20 - 63 mm with three simultaneously usable combinations for welding sockets, pipes and fittings up to Ø 63 mm

##### KEY FEATURES

- Increased flexibility and combination options for every day use
- Long service life and according to DVS regulations
- All important information at a glance
- Safe operation with the temperature control as per DVS regulations

##### KEY FEATURES

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

##### TECHNICAL DATA

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

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

Increased flexibility and combination options for every day use

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

Long service life and according to DVS regulations

#### Isolator prevents heat transport to the case

Efficient heat protection

#### Control lamps for controls and intervals

All important information at a glance

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

Process safety due to temperature control according to DVS

#### Automatic overheat protection

Unit safety

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

Simple to use even in confined spaces

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

Floor stand is always available when needed



# Plastic pipe welding

## Socket welding

### ROWELD P 63 S-6 Sword sets

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




Fig. P 63 S-6, thermostatically controlled

Electronically controlled for a constant temperature!



Fig. P 63 S-6, electronically controlled

| Model                | Working range Ø mm     | Power watts | Description    |  kg | 230 V   | 110/115 V |
|----------------------|------------------------|-------------|----------------|--|---------|-----------|
| P 63 S-6 set         | 20, 25, 32             | 800         | thermostatic   | 4.30   | 053892X | 053894X   |
| P 63 S-6 set         | 20, 25, 32, 40, 50, 63 | 800         | thermostatic   | 5.30   | 053893X | 053895X   |
| P 63 S-6 set         | 20, 25, 32             | 800         | electronically | 4.30   | 053890X |           |
| P 63 S-6 set         | 20, 25, 32, 40, 50, 63 | 800         | electronically | 5.30   | 053891X |           |
| P 63 S-6 single unit |                        | 800         | thermostatic   | 1.78   | 053897X |           |
| P 63 S-6 single unit |                        | 800         | electronically | 1.78   | 053896X |           |

P 63 S-6 set thermostatically controlled





Secure workbench operation, integrated holder for the table mounting clamp



### Heating spigots and sockets (Form A) for P 63 S-6

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

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

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



### ROWELD P 125

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

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

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



No. 55321

Heating spigots / Heating sockets



Adaptor plate



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



| Model     | Power watts | mm       | Control Model  | kg    | 230 V<br>50/60 Hz |
|-----------|-------------|----------|----------------|-------|-------------------|
| P 125     | 1,300       | 16 - 125 | electronically | 3.10  | <b>55321</b>      |
| P 125 set | 1,300       | 63 - 125 | electronically | 17.05 | <b>55546</b>      |

#### Heating spigots / Heating sockets (Form A)

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

### ROWELD HE heating plates

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

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

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



| Power watts          | Heating element Ø mm | Control Model  | kg   | 230 V<br>50/60 Hz | 110/115 V<br>50/60 Hz |
|----------------------|----------------------|----------------|------|-------------------|-----------------------|
| 500                  | 120/45°              | electronically | 1.80 | <b>55518</b>      | <b>55517</b>          |
| 800                  | 200                  | electronically | 3.25 | <b>55316</b>      | <b>55851</b>          |
| 1500                 | 300                  | electronically | 5.35 | <b>55317</b>      | <b>55854</b>          |
| Table mounting clamp |                      |                | 0.45 | <b>55524</b>      | <b>55524</b>          |

#### ACCESSORIES

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

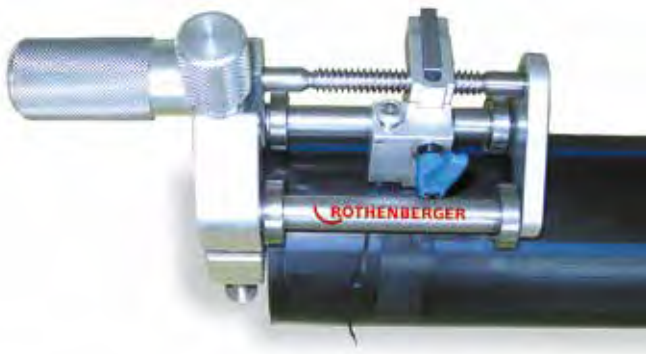


# Plastic pipe welding

## Socket welding

### Peeling device

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



| Model   | Ø Working range | No.          |
|---------|-----------------|--------------|
| Size I  | 32 - 110 mm     | <b>53240</b> |
| Size II | 110 - 500 mm    | <b>53250</b> |

### Squeezing device

- **Mechanical:**  
Range of use from Ø 32 - 63 mm.  
To avoid damage to the squeezed area, distance plates can be adjusted on the side.
- **Hydraulic:**  
Range of use from Ø 75 - 225 mm.  
Functions as mentioned above.  
With this unit you can reform squeezed pipes with the help of the rounding shells.



| Model                       | Ø Working range | No.          |
|-----------------------------|-----------------|--------------|
| Squeezing device mechanical | 32 - 63 mm      | <b>53200</b> |
| Squeezing device hydraulic  | 75 - 180 mm     | <b>53210</b> |
| Squeezing device hydraulic  | 160 - 225 mm    | <b>53220</b> |

### Clamping device

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



### Double clamp short

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



### Quad clamps

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



### Re-Rounding clamps

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



| Model                   | Ø      | No.          |
|-------------------------|--------|--------------|
| Double clamp adjustable | 32 mm  | <b>53251</b> |
| Double clamp adjustable | 40 mm  | <b>53252</b> |
| Double clamp adjustable | 50 mm  | <b>53253</b> |
| Double clamp adjustable | 63 mm  | <b>53254</b> |
| Double clamp short      | 75 mm  | <b>53255</b> |
| Double clamp short      | 90 mm  | <b>53256</b> |
| Double clamp short      | 125 mm | <b>53258</b> |
| Double clamp short      | 140 mm | <b>53259</b> |
| Double clamp short      | 160 mm | <b>53260</b> |
| Double clamp short      | 180 mm | <b>53261</b> |
| Double clamp short      | 200 mm | <b>53262</b> |
| Double clamp short      | 225 mm | <b>53263</b> |
| Quad clamp              | 63 mm  | <b>53271</b> |
| Quad clamp              | 75 mm  | <b>53272</b> |
| Quad clamp              | 90 mm  | <b>53273</b> |
| Quad clamp              | 110 mm | <b>53274</b> |
| Quad clamp              | 125 mm | <b>53275</b> |
| Quad clamp              | 140 mm | <b>53276</b> |
| Quad clamp              | 160 mm | <b>53277</b> |
| Quad clamp              | 180 mm | <b>53278</b> |
| Quad clamp              | 200 mm | <b>53279</b> |
| Quad clamp              | 225 mm | <b>53280</b> |
| Re-Rounding clamp       | 25 mm  | <b>53281</b> |
| Re-Rounding clamp       | 32 mm  | <b>53282</b> |
| Re-Rounding clamp       | 40 mm  | <b>53283</b> |
| Re-Rounding clamp       | 63 mm  | <b>53285</b> |

### ROCUT UKS 160 / 355

High-performance orbital circular saw Ø 160 - 355 mm

#### Product profile

##### APPLICATION AREA

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

##### KEY FEATURES

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

##### TECHNICAL DATA

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

Transport box without saw (No. 1200000526)



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



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



Saw blade guard

Safe operation

Central clamping

Optimum pipe centring



No. 55505



Rubberised guide rollers

Right-angled cuts with no misalignment

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

### ROCUT XL

Pipe cutter for pipes Ø 125 - 315 mm

#### Product profile

##### APPLICATION AREA

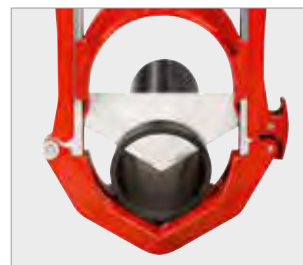
For cutting-off pipes in trenches, for making repairs or extensions

##### KEY FEATURES

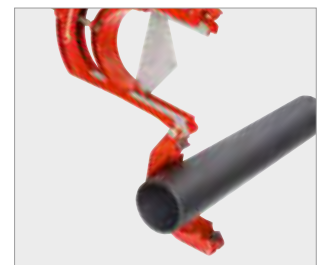
- Can be easily adjusted anywhere at the pipe
- Robust blade made of stainless steel



An optimised cutting angle for easier pipe cutting



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



#### Replacement blade

Scope of delivery: 1 replacement blade + fastening screws

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

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

# Plastic pipe welding

## Cutting



### Plastic pipe chamfering unit

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

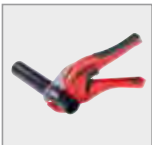




#### KEY FEATURES

- Flexible in use
- Wall thickness is continuously adjustable

| Model                    |  mm |  g | No.          |
|--------------------------|--|---|--------------|
| Chamfering unit size 1   | 16 - 110   | 720   | <b>55050</b> |
| Chamfering unit size 2   | 32 - 160   | 800   | <b>55051</b> |
| Spare blade size 1 and 2 |  | 30  | <b>55058</b> |

#### ACCESSORIES



| Model                                    |  | Model    |  |
|--|---|----------|---|
| Pastic pipe shears                       | <b>22</b>   | Deburrer | <b>34</b>   |
| Pastic pipe cutters                      | <b>27</b>   | Mounting | <b>311</b>  |
| Pastic pipe cutting and chamfering tools | <b>26</b>   |          |   |





PLASTIC PIPE WELDING TECHNOLOGY

**ROWELD**

Innovative and reliable highest quality pipetools and machinery can be found in the hands of excellent skilled craftsmen and on construction sites all around the globe.









# Refrigeration and air-conditioning technology

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# Refrigeration and air-conditioning technology

## System overview

### Complete solutions

**ROKLIMA MULTI 4F**



**ROCADDY 120 R32 Analog/  
ROCADDY 120 R32 CL Analog**



**ROCADDY 120 R32 Digital/  
ROCADDY 120 R32 CL Digital**



|   |           |         |         |
|---|-----------|---------|---------|
| Refrigerants class A1:<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 |
| Page  | 278 - 279 | 280     | 280     |

### Refrigeration circuit control

**ROCOOL 600**



**2- and 4-ways  
manifold  
connection 5/16"**



**2- and 4-ways  
manifold  
connection 1/4"**



**Pressure hoses**



|   |     |     |     |     |
|---|-----|-----|-----|-----|
| Refrigerants class A1:<br>(R134a, R410A etc.) | ✓   | ✓   | ✓   | ✓   |
| Refrigerants class A2:<br>(R32, R1234yf etc.) | ✓   | ✓   | –   | ✓   |
| CO <sub>2</sub> subcritical (R744):           | ✓   | –   | –   | ✓   |
| System size:                                  | all | all | all | all |
| Page  | 281 | 282 | 282 | 283 |

### 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  | 286 - 287   | 288   | 286 - 287   | 288   | 286 - 287   | 286 - 287   |

### Recovery

|   | ROREC   | ROREC PRO 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   | all   |
| Page  | 289   | 290   |



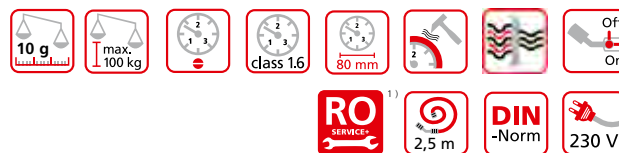
# Refrigeration and air-conditioning technology

## Complete solutions

### ROKLIMA MULTI 4F

#### Fully automatic commissioning and maintenance of air-conditioning units and heat pumps

The innovative unit enables safe and comfortable operation on refrigeration systems. With simple menu navigation, 4 functions (4F) are automatically controlled.



R410A R22 R134a R407C R404A

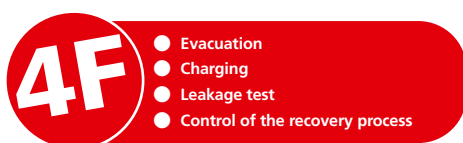
#### Product profile

##### KEY FEATURES

- 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

##### TECHNICAL DATA

|                       |                         |
|-----------------------|-------------------------|
| Weight:               | 17 kg                   |
| Final vacuum:         | $1 \times 10^{-2}$ mbar |
| Scale range:          | up to 100 kg            |
| Resolution:           | 10 g                    |
| Pressure hose length: | 2,500 mm                |
| Pump rating:          | 42 l / min              |



#### Sturdy, compact metal casing

Protects all components such as vacuum pump and scale

#### Integrated high vacuum pump with 42 l/min suction power

For evacuation of the system in accordance with DIN 8975

#### Pull-out precision digital scale up to 100 kg

Secure stand for large and small containers

#### Interactive 16-digit display with 4 function buttons

All required parameters can be easily entered

#### 3 different pressure gauges "Pulse-free", class 1.6, 80 mm

Universal use on air-conditioning units with all common refrigerants and operation in the high pressure range with R410A

#### 2 pressure hoses (2,500 mm) from the series "Plus" with ball valve

Safe and comfortable operation with refrigerants without the risk of refrigerant loss

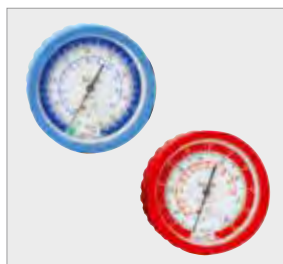
#### Plastic capillary hose

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



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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

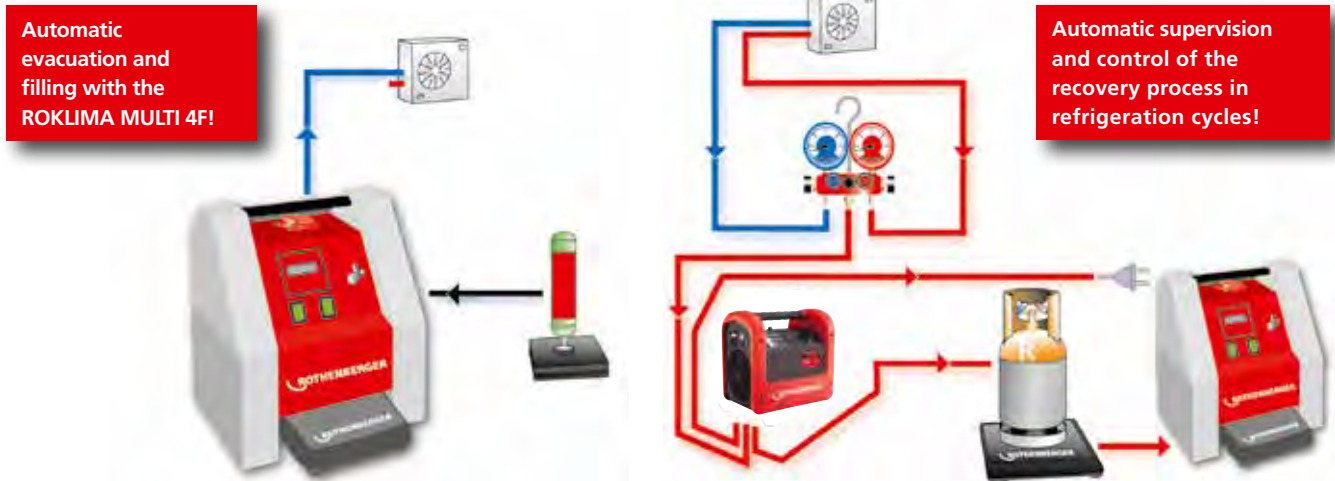


Bottle adaptor No. 173204 / 05 for scale and 1/4" reducing pieces



# Refrigeration and air-conditioning technology

## Complete solutions



ROKLIMA MULTI 4F in use (evacuation and charging)



**Set (No. 1000000138) includes:** 2-stage vacuum pump, 2 low pressure gauges, 1 high pressure gauge R410A, 2 pressure hoses with ball valve à 2,500 mm, 2 bottle connection adaptors (1/4" SAE No. 173205, 5/16" SAE No. 173204), 2 reducing pieces 1/4" SAE F - 5/16" SAE M (No. 170016), precision digital scale up to 100 kg, automatic control, vacuum and pressure switch, mineral oil (No. 169200)

| Model                                   | kg   | No.               |
|---|------|-------------------|
| ROKLIMA MULTI 4F                        | 17.0 | <b>1000000138</b> |
| Reducer pieces 1/4" SAE F - 5/16" SAE M | 0.1  | <b>170016</b>     |

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

Precision scale up to 100 kg  
Resolution: 10 g  
Accuracy:  $\pm 1\%$



Ergonomic, compact



Light





# Refrigeration and air-conditioning technology

## Complete solutions



### ROCADDY 120 R32 (CL)

#### Analogue/Digital

Universal sets for evacuation and charging

#### Product profile

##### KEY FEATURES

- Everything you need within reach
- Flexible use with the individual use of the tools
- Easy to transport

### Flexible application with corded or battery-powered vacuum pump



#### TECHNICAL DATA

- Electronic digital scale ROSCALE 120 with a weighing capacity of 120 kg and a measuring accuracy per measuring step of 5
- 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 analogue 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

#### 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 refrigerants



2 x analogue manifolds (ROCADDY 120 analogue)

#### Bottle adaptor for 1 kg and 2 kg refrigerant bottles for connection to the scale

Secure mounting of the bottle during charging

#### ROCOOL 600

Automatic calculation of superheat and subcool. Optionally upgradable through attachment of a vacuum probe and a reading out function


#### Mini tube cutter and pipe cutter


For cutting Ø 6 - 35 mm pipes to length

**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) (Analogue), ROCOOL 600 (No. 1000000569) / clamping thermometer (No. 1000000540) (Digital), pressure hose set 5/16" SAE 1.500 mm (No. 1500000030), pressure hose set 1/4" SAE 1.500 mm (No. 1500000028), ROSCALE 120 (No. 173004), 3/8" SAE F - 1/4" SAE M (No. 89501), 2 x 5/16" SAE F - 1/4" SAE M (No. 01700RD), 5/16" SAE M - 1/4" SAE F (No. 170016), bottle connection 1/4" (No. 173205), bottle connection 5/16" (No. 173204), mineral oil (0,4 l), Tube Cutter 35 (No. 70027), Minicut II Pro (No. 70402), transport case (No. 169051)

#### ROCADDY 120 R32 CL Analog / Digital (No. 1000003622/1000003623) includes:

2-stage vacuum pump ROAIRVAC R32 2.0 CL\* (No. 1000003229), 4-way manifold (No. 170502) / 4-way manifold (No. 1000001427) (Analogue), ROCOOL 600 (No. 1000000569) / clamping thermometer (No. 1000000540) (Digital), pressure hose set 5/16" SAE 1.500 mm (No. 1500000030), pressure hose set 1/4" SAE 1.500 mm (No. 1500000028), ROSCALE 120 (No. 173004), 3/8" SAE F - 1/4" SAE M (No. 89501), 2 x 5/16" SAE F - 1/4" SAE M (No. 01700RD), 5/16" SAE M - 1/4" SAE F (No. 170016), bottle connection 1/4" (No. 173205), bottle connection 5/16" (No. 173204), bottle connection for R32 (No. 173206), mineral oil (0,4 l), Tube Cutter 35 (No. 70027), Minicut II Pro (No. 70402), 8.0 Ah Li-HD battery (No. 1000002549), charger (No. 1000001654), transport case (No. 169051)

| Model           | Performance |       |       |       |  | No. |
|-----------------|-------------|-------|-------|-------|---|-----|
| R410A           | R22         | R134a | R407C | R404A | R32   |     |
| ROCADDY 120 R32 |             |       |       |       |   |     |
| Analog          | 42 l/min    |       | 20    |       | 1000002560  |     |
| Digital         | 42 l/min    |       | 19    |       | 1000002561  |     |

| Model           | Performance |       |       |       |            |  | No. |
|-----------------|-------------|-------|-------|-------|------------|---|-----|
| R410A           | R22         | R134a | R407C | R404A | R507       | R32   |     |
| ROCADDY 120 R32 |             |       |       |       |            |   |     |
| CL* Analog      | 57 l/min    |       |       | 21    | 1000003622 |   |     |
| CL* Digital     | 57 l/min    |       |       | 20    | 1000003623 |   |     |

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### ROCOOL 600

For commissioning, maintenance work and documentation of refrigeration systems of all kinds



#### Product profile

##### KEY FEATURES

- 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

|                                       |                               |
|---------------------------------------|-------------------------------|
| <b>Pressure display:</b>              | bar, psi, Kpa, MPa            |
| <b>Temperature display:</b>           | °C, °F                        |
| <b>Vacuum display:</b>                | Micron, mbar, mmHg, Pa, mTorr |
| <b>Power source:</b>                  | 9 V battery, 550 mAh          |
| <b>Screen size:</b>                   | 4.1/3" / 11 cm                |
| <b>Pressure measurement range:</b>    | -1 up to 60 bar               |
| <b>Precision (at 22 °C):</b>          | ± 0.5% fs                     |
| <b>Temperature measurement range:</b> | -50 °C to +200 °C             |
| <b>Working temperature:</b>           | -10 °C to +50 °C              |
| <b>Connections:</b>                   | 4x 1/4" SAE                   |
| <b>Max. recording time:</b>           | 12h (device), 96h (red box)   |

**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

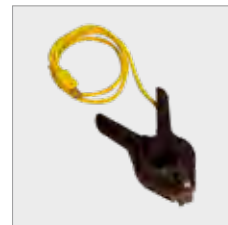
An optical signal is displayed once an adequate vacuum level is reached or leakage in the system and also a warning of overpressure

#### 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   | No.        |
|---|------------|
| Set with 1 temperature sensor (in the blister)                              | 1000000569 |
| Set with 2 temperature sensors (in the case)                                | 1000000570 |
| Set with 2 temperature sensors, red box, data viewer software (in the case) | 1000000572 |

| Model  | No.        |
|--|------------|
| Red box, software, connection cable, external power supply | 1000000539 |
| Temperature sensor   | 1000000540 |
| Vac probe  | 1000000541 |



# Refrigeration and air-conditioning technology

## Refrigeration circuit control

### Analogue manifolds

#### 2- and 4-way manifolds



Pressure gauge Ø 80 mm, with pulse-dampening class 1.6

Easy-to-read, high precision display

Large hand valve with colour coding

Light, secure and precise opening and closing of the diaphragm valve, maintenance free

Valve sets



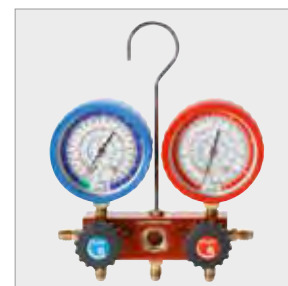
Pressure gauge with shock-proof rubber protector

Protects against damage

Valve body made of aluminium with gauge glass

Sturdy despite low weight

2-way manifold



| Model            | ND*/bar      | HD*/bar      | kg           | No.               |
|------------------|--------------|--------------|--------------|-------------------|
| <b>R22</b>       | <b>R134a</b> | <b>R407C</b> | <b>R404A</b> |                   |
| 2-way, 1/4" SAE  | -1 up to 17  | 0 - 34       | 0.7          | <b>170501</b>     |
| 4-way, 1/4" SAE  | -1 up to 17  | 0 - 34       | 0.9          | <b>170502</b>     |
| <b>R410A</b>     | <b>R32</b>   |              |              |                   |
| 2-way, 5/16" SAE | -1 up to 30  | 0 - 60       | 0.7          | <b>1000001426</b> |
| 4-way, 5/16" SAE | -1 up to 30  | 0 - 60       | 0.9          | <b>1000001427</b> |

\*LP = Low pressure manifold, \*HP = High pressure manifold

| Model                              | No.           |
|------------------------------------|---------------|
| Blue rubber protector for manifold | <b>170545</b> |
| Red rubber protector for manifold  | <b>170546</b> |
| Valve sets for manifold            | <b>170547</b> |

### 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

**Sets include:** manifold, pressure gauge with Ø 80 mm, "Pulse-free", class 1.6, 3 x 1,500 mm pressure hoses, plastic carrying case

Model

kg

kg

No.

2-way "Standard"

R22

R134a

R407C

R404A

Manifold set 2-way "Standard"

2.7

170600

R410A

R32

Manifold set 2-way "Standard"

2.7

170607

4-way "Standard"

R22

R134a

R407C

R404A

Manifold set 4-way I "Standard"

2.8

170601

R410A

R32

Manifold set 4-way I "Standard"

2.8

170606

4-way "Plus"

R22

R134a

R407C

R404A

Manifold set 4-way II "Plus"

2.8

170602

R410A

R32

Manifold set 4-way II "Plus"

2.8

170608

Plastic carry case

1.4

171505

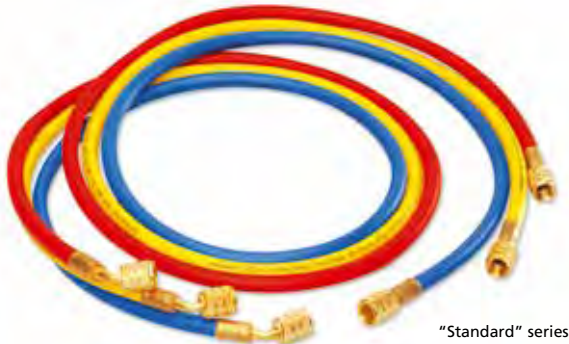
### 3-piece pressure hose sets

Available in "Standard" and "Plus"

#### Product profile

##### KEY FEATURES

- No confusion and safe use with the colour coding (blue, red, yellow)
- Teflon seal with up to 10x longer service life compared to neoprene seal
- Working pressure 60 bar / burst pressure 300 bar. This is an 8% better pressure resistance as previously



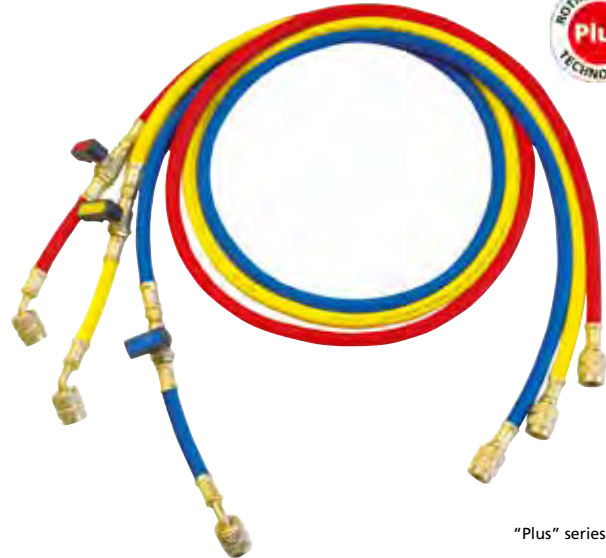
"Standard" series

#### Pressure hose from the series "Standard"

| Model                   | Connection | L mm  | No.        |
|-------------------------|------------|-------|------------|
| Vacuum hose             | 3/8" SAE   | 1,500 | 1500000032 |
| R22 R134a R407C R404A   |            |       |            |
| Set of 3 pressure hoses | 1/4" SAE   | 1,500 | 1500000024 |
| Pressure hose yellow    | 1/4" SAE   | 1,500 | 1500000025 |
| R410A R32               |            |       |            |
| Set of 3 pressure hoses | 5/16" SAE  | 1,500 | 1500000026 |
| Pressure hose yellow    | 5/16" SAE  | 1,500 | 1500000027 |



R32 R410A R22 R134a R407C R404A



"Plus" series

#### Pressure hose from the series "Plus" with ball valve

| Model                   | Connection | L mm  | No.        |
|-------------------------|------------|-------|------------|
| R22 R134a R407C R404A   |            |       |            |
| Set of 3 pressure hoses | 1/4" SAE   | 1,500 | 1500000028 |
| Pressure hose yellow    | 1/4" SAE   | 1,500 | 1500000029 |
| R410A R32               |            |       |            |
| Set of 3 pressure hoses | 5/16" SAE  | 1,500 | 1500000030 |
| Pressure hose yellow    | 5/16" SAE  | 1,500 | 1500000031 |

### Tool set Climate I + II

#### Practical tool set with all tools required

For installation and maintenance of air-conditioning units and heat pumps

#### Product profile

##### APPLICATION AREA

- 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-conditioners

**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               | kg  | No.    |
|---------------------|-----|--------|
| Tool set Climate I  | 2.3 | 170604 |
| Tool set Climate II | 2.4 | 170605 |

R32 R22 R134a R407C R404A



The ideal introduction into a whole new area of business!



No. 170604

# Refrigeration and air-conditioning technology

## Leak testing and locating

### Nitrogen set

Multiple uses for refrigeration systems



#### Product profile

##### APPLICATION AREA

- Pressure and leak test with nitrogen
- Flushing of the installation
- Nitrogen admission during soldering to prevent scale formation

**Ideal for split air-conditioning units and heat pumps!**



No. 259060

13

5/16" SAE adaptor for connecting to R410 units



Bottle adaptor for connecting 950 cm³ bottles



**Set (No. 259060) includes:** pressure reducing valve, connection hose, bottle adaptor, pressure gauge, nitrogen bottle and plastic case

| Model  |   | No.            |
|--|---|----------------|
| Nitrogen set with bottle (950 cm³)               |   | <b>259060</b>  |
| Nitrogen bottle, each 950 cm³                    | 6 | <b>259008</b>  |
| Filling hose with pressure gauge                 |   | <b>259010</b>  |
| Connection 5/16" SAE internal, 1/4" SAE external |   | <b>01700RD</b> |



# Refrigeration and air-conditioning technology

## Leak testing and locating

### ROLEAK Pro

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



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

| Product profile   |
|---|
| KEY FEATURES  |
| <ul style="list-style-type: none"><li>● Durable and highly sensitive sensor tip with a leak detection rate of 3 g/a within 3 seconds</li><li>● Suitable for R32</li><li>● Simple determination of the refrigerant concentration</li><li>● Adjustment of the sensor tips zero measurement point for simple detection of the leak</li><li>● Reference leak for functionality test included</li><li>● Easy accessibility of even hard to reach leaks</li></ul> |

| TECHNICAL DATA       |                               |
|----------------------|-------------------------------|
| Leak status:         | LED display                   |
| Sensor length:       | 40 cm                         |
| Leak detection rate: | 3 g/a within 3 seconds        |
| Weight:              | 400 g                         |
| 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                      | No.        |
| ROLEAK Pro in plastic case | 1500002241 |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries

# Refrigeration and air-conditioning technology

## Evacuation

### ROAIRVAC R32

#### Two-stage vacuum pump

For evacuation in accordance with DIN 8975 with vacuum gauge and solenoid valve



#### Product profile

##### KEY FEATURES

- 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

##### KEY FEATURES

- 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

#### 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)

#### Light and high-quality casing

Protects the integrated components

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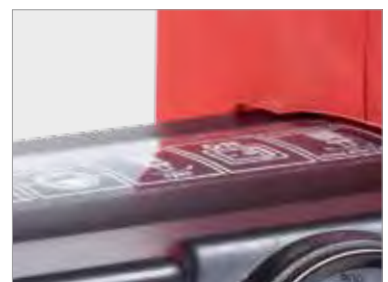
1/4" SAE standard connection with adaptors for 5/16" SAE and 3/8" SAE



Optimal positioned viewing glass and oil drains for simple draining of the oil



Practical: operating instructions always within view



### ROAIRVAC R32 Series

Two-stage rotary vane pump for evacuation  
in accordance with DIN 8975

| Type          | 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 / 1720 r/m                 | 250 W / 1720 r/m                 | 550 W / 1720 r/m                   | 750 W / 3440 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                             |
| Weight        | 10.1 kg                          | 11.9 kg                          | 17.3 kg                            | 18.4 kg                            |
| 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 ROAIRVAC:** vacuum pump with 1/4", 5/16" SAE and 3/8" SAE connections, plastic bottle with mineral oil

| Model               | Performance | kg   | No.        |
|---------------------|-------------|------|------------|
| ROAIRVAC R32 1.5    | 42 l/min    | 10.1 | 1000002399 |
| ROAIRVAC R32 3.0    | 85 l/min    | 11.9 | 1000002713 |
| ROAIRVAC R32 6.0    | 170 l/min   | 17.5 | 1000001231 |
| ROAIRVAC R32 9.0    | 255 l/min   | 18.4 | 1000002714 |
| Mineral oil 1 litre |             |      | 169200     |



# Refrigeration and air-conditioning technology

## Evacuation

### ROAIRVAC R32 2.0/5.0 CL

Battery driven two-stage vacuum pump



#### Product profile

##### KEY FEATURES

- Compatible with CAS battery system
- Solenoid check valve to protect the refrigeration system from oil contamination during power outage
- Protects the integrated components with the light and high-quality casing
- Gas ballast valve for reduction of water vapor in the oil container
- Special filter reduces oil mist on exhaust vent
- Gauge-glass enables easy oil-stand monitoring
- Fast filling of oil without spilling, no special funnel is necessary
- Easy access to the oil drain plug makes emptying quick
- Thermal switch protects the unit from the motor overheating
- Standard 1/4" SAE connection as well as 5/16" SAE and 3/8" SAE adaptor included in delivery

##### TECHNICAL DATA

|                       | R32 2.0 CL               | R32 5.0 CL               |
|-----------------------|--------------------------|--------------------------|
| <b>Pump rating:</b>   | 2,0 CFM / 57 l/min       | 5,0 CFM / 142 l/min      |
| <b>Vacuum stages:</b> | 2                        | 2                        |
| <b>Final vacuum:</b>  | 23 micron                | 15 micron                |
| <b>Motor power:</b>   | 185 W / 3,600 r/m        | 550 W / 1,800 r/m        |
| <b>Voltage:</b>       | 18 V                     | 18 V                     |
| <b>Connection:</b>    | 1/4"                     | 1/4"                     |
| <b>with Adaptor:</b>  | 5/16" SAE M / 3/8" SAE M | 5/16" SAE M / 3/8" SAE M |
| <b>Oil capacity:</b>  | 180 ml                   | 350 ml                   |

#### Gas ballast valve

Reduction of water vapour in the oil container, guarantees higher evacuation power and service life.<sup>2)</sup>

#### 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

#### CAS battery

Compatible with more than 200 power tools from 20 manufacturer

#### Brushless Motor

For wear-free work and longer machine life



No. 1000003229



No. 1000003231



No. 1000003230



No. 1000003233

#### One battery, many solutions.

Founded in 2018, 20 manufacturers are already using the Cordless Alliance System, CAS for short, as of September 2021. CAS is the first cross-manufacturer battery system.

| Model  | kg   | No.        |
|--|------|------------|
| ROAIRVAC R32 2.0 CL  | 3.7  | 1000003229 |
| ROAIRVAC R32 2.0 CL incl. battery Li-HD, 8.0 Ah 18 V and charger in ROBUCKET | 6.1  | 1000003230 |
| ROAIRVAC R32 5.0 CL  | 7.5  | 1000003231 |
| ROAIRVAC R32 5.0 CL incl. battery Li-HD, 8.0 Ah 18 V and charger in ROBUCKET | 10.5 | 1000003233 |

<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
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<sup>2)</sup> Only applies to ROAIRVAC R32 5.0 CL

### ROREC

#### Refrigerant recovery device

Compact, portable device for recovery and recycling refrigerants of all kinds



#### Product profile

##### KEY FEATURES

- 4-pole motor guarantees the durability of the machine
- Low noise and vibration emission thanks to the compact design
- Intuitive handling makes it simple and safe to use
- Maintenance-free operation through the oil-free compressor
- Emptying of the device in order to work with different refrigerants with the PURGE function
- Simple transport and use with the light and compact plastic casing

##### TECHNICAL DATA

|                              |  |
|------------------------------|--|
| <b>Suitable for:</b>         | all refrigerants of the type CFC-HCFC-HFC                                  |
| <b>Capacity:</b>             | gaseous: 0.26 kg / min<br>fluid: 1.85 kg / min<br>push/pull: 6.22 kg / min |
| <b>Electrical data:</b>      | 230 V / 50 - 60Hz  |
| <b>Power:</b>                | 370 W  |
| <b>High pressure switch:</b> | 38.5 bar   |
| <b>Dimensions:</b>           | 490 x 244 x 353 mm   |
| <b>Weight:</b>               | 17 kg  |

### Ideal for mono and multi-split air-conditioning units and heat pumps!

#### 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  | Connected Load | kg   | No.    |
|--------|----------------|------|--------|
| ROREC  | 370 W          | 17.0 | 168605 |
| Filter |                | 0.12 | 168713 |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
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# Refrigeration and air-conditioning technology

## Recovery and filling

### ROREC PRO Digital

#### Refrigerant recovery device

Lightweight recovery unit for the recovery of refrigerants of the classes A1, A2L and A2 (incl. R32), suitable for all unit sizes thanks to its high recovery rate.



#### Product profile

##### KEY FEATURES

- Suitable for refrigerants of the classes A1, A2L and A2 (incl. R32)
- Compact design with a weight of less than 12 kg
- Digital display and one-knob control
- Maintenance free operation with the oil-free 2-piston compressor
- 4-pole motor guarantees the durability of the machine
- Automatic shut-off and automatic restart once the pressure increases again
- Emptying of refrigerant residues with the PURGE function

##### TECHNICAL DATA

|                              |                    |                          |
|------------------------------|--------------------|--------------------------|
| <b>Recovery rate:</b>        | gaseous:           | 0.5 kg / min; 30 kg / h  |
|                              | fluid:             | 3.5 kg / min; 210 kg / h |
|                              | push/pull:         | 9.5 kg / min; 570 kg / h |
| <b>Power supply:</b>         | 230 V / 50 - 60 Hz |                          |
| <b>Power:</b>                | 730 W              |                          |
| <b>High pressure switch:</b> | 38.5 bar           |                          |
| <b>Product dimensions:</b>   | 380 x 250 x 350 mm |                          |
| <b>Weight:</b>               | 12 kg              |                          |

#### Digital display

Clearly structured display of the measured pressure values

#### Low pressure switch

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

#### Oil-free 2-piston compressor

Very high recovery rate with maintenance free operation



#### Practical storage compartment

Storage of accessories in the back

Shoulder strap for transport over longer distances



Clearly structured digital display



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| Model             | kg   | No.        |
|-------------------|------|------------|
| ROREC PRO Digital | 12.0 | 1500002637 |
| Filter            | 0.12 | 168713     |



### ROSCALE 120

#### Electronic refrigerant scale

Precise, easy to handle refrigerant scale for filling and evacuation processes with a maximal weight capacity of 120 kg



#### Product profile

##### KEY FEATURES

- 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

|                             |  |
|-----------------------------|--|
| <b>Weight capacity:</b>     | 120 kg or 264 lbs                      |
| <b>Accuracy:</b>            | +/- 0.5%                               |
| <b>Resolution:</b>          | 5 g / 0.2 oz.                          |
| <b>Working temperature:</b> | -10° C up to +49° C / 14 up to +120° F |
| <b>Connection:</b>          | 1/4" SAE for 1 - 2 lit. bottles        |
| <b>Battery:</b>             | 9 V                                    |
| <b>Platform size:</b>       | 230 x 230 x 53 mm                      |
| <b>Weight:</b>              | 3.28 kg                                |



ROSCALE 120 in carrying case

Set (No. R17300416) includes: ROSCALE 120, 9 V battery, carrying case

| Model       | kg   | No.              |
|-------------|------|------------------|
| ROSCALE 120 | 3.28 | <b>R17300416</b> |

### 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 99/36/CE

#### Product profile

##### KEY FEATURES

- Light and practical for use on building-sites
- 1 and 2 litre steel bottles, rent-free and easy disposal
- Flat base for increased standing stability
- Ease of clean up after removing of the valve

Standardised SAE thread on all bottle valves

Universal application

Refillable bottles

Full flexibility for the user



| Model                               |  | No.           |
|-------------------------------------|--|---------------|
| <b>R410A</b>                        | Refrigerant R410A in cardboard packaging |               |
| 1 l steel bottle 5/16" SAE, 800 g   | 6  | <b>170912</b> |
| 2 l steel bottle 5/16" SAE, 1,600 g | 4  | <b>170932</b> |
| <b>R32</b>                          | Refrigerant R32 in cardboard packaging   |               |
| 1 l steel bottle 1/2" SAE, 780 g    | 6  | <b>170960</b> |
| 2 l steel bottle 1/2" SAE, 1,800 g  | 4  | <b>170961</b> |



<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice  
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# Refrigeration and air-conditioning technology

## Accessories

### SANIFRESH


Deodorising cleaning spray



#### Product profile

##### KEY FEATURES

- 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                           |  | Volume | No.          |
|---------------------------------|---|--------|--------------|
| Sanifresh (contains 12 bottles) | 1   | 400 ml | <b>85800</b> |

### Bottle connection and adaptors

#### For refrigerant bottles

For use with new refrigerant bottles on existing equipment



| Model  | No.               |
|--|-------------------|
| Adaptor, 1/4" connection   | <b>173205</b>     |
| Adaptor, 5/16" connection  | <b>173204</b>     |
| Adaptor, W21.8 x 1/4" SAE M connection with seal for 2 l sized bottles           | <b>170950</b>     |
| Adaptor W21,8 LEFT x 1/4" SAE M connection for combustible refrigerants like R32 | <b>1500003381</b> |
| Adaptor 1/2" LEFT - 5/16" SAE M connection                                       | <b>173206</b>     |
| Adaptor, 1/4" SAE M - 3/8" SAE F connection                                      | <b>89501</b>      |
| Adaptor, 3/8" SAE M - 1/4" SAE F connection                                      | <b>89503</b>      |
| Adaptor, 1/4" SAE F - 5/16" SAE M connection                                     | <b>170016</b>     |
| Adaptor, 1/4" SAE M - 5/16" SAE F connection with valve trigger                  | <b>01700RD</b>    |

### 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                     |  | No.           |
|---------------------------|---|---------------|
| Torque wrench set, 7 pcs. | 1.7   | <b>175001</b> |

13





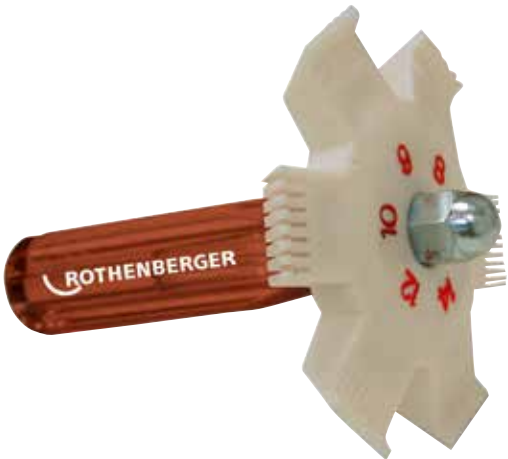
Schrader valve tool

| Product profile   |       |
|---|-------|
| KEY FEATURES  |       |
| <ul style="list-style-type: none"><li>● For exchanging the Schrader valve on air-conditioners under pressure, without having to recover the unit</li><li>● For safe and easy change of spring insert of the Schrader valve tool</li><li>● With safety thread for risk-free use with R410A</li></ul> |       |
| Model   | No.   |
| Schrader valve tool in plastic carrying case  | 87800 |



Plate fin comb

| Product profile   |   |        |
|---|---|--------|
| KEY FEATURES  |   |        |
| <ul style="list-style-type: none"><li>● For straightening the plate fins of heat-exchangers</li><li>● 6 different sizes in one tool</li></ul> |   |        |
| Model   | Product dimensions                      | No.    |
| Plate fin comb  | 8 - 9 - 10 - 12 - 14 - 15 fins per inch | 224500 |





# Refrigeration and air-conditioning technology

## General instructions for the use of refrigerants

### Refrigerant data from CFC-alternative refrigerants

| Refrigerant                            | Composition                   | ODP  | GWP   | Temperature glide |
|--|-------------------------------|------|-------|-------------------|
| R22 (HFKW refrigerant)                 | CHCLF2                        | 0.05 | 1,810 | –                 |
| R134a (HFKW-chlorine-free refrigerant) | CF3CH2F                       | 0    | 1,430 | –                 |
| R32 (HFKW-chlorine-free refrigerant)   | CH2F2                         | 0    | 675   | –                 |
| R404A (HFKW-chlorine-free blends)      | 52% R143a, 44% R125, 4% R134a | 0    | 3,922 | –                 |
| R507 (HFKW-chlorine-free blends)       | 50% R143a, 50% R125           | 0    | 3,985 | –                 |
| R407C (HFKW-chlorine-free blends)      | 23% R32, 25% R125, 52% R134a  | 0    | 1,774 | 7.5K              |
| R410A (HFKW-chlorine-free blends)      | 50% R32, 50% R125             | 0    | 2,088 | 0.2K              |

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  | -70   | -94   | 80  | 27  | -60   | -51   |
|     |     | -80   | -112  |     |     | -70   | -58   |
|     |     | -90   | -130  |     |     | -80   | -66   |
|     |     | -100  | -148  |     |     | -90   | -74   |
|     |     | -110  | -166  |     |     | -100  | -82   |
|     |     | -120  | -184  |     |     | -110  | -90   |
|     |     | -130  | -202  |     |     | -120  | -98   |
|     |     | -140  | -220  |     |     | -130  | -106  |
|     |     | -150  | -238  |     |     | -140  | -114  |
|     |     | -160  | -256  |     |     | -150  | -122  |
|     |     | -170  | -274  |     |     | -160  | -130  |
|     |     | -180  | -292  |     |     | -170  | -138  |
|     |     | -190  | -310  |     |     | -180  | -146  |
|     |     | -200  | -328  |     |     | -190  | -154  |
|     |     | -210  | -346  |     |     | -200  | -162  |
|     |     | -220  | -364  |     |     | -210  | -170  |
|     |     | -230  | -382  |     |     | -220  | -178  |
|     |     | -240  | -400  |     |     | -230  | -186  |
|     |     | -250  | -418  |     |     | -240  | -194  |
|     |     | -260  | -436  |     |     | -250  | -202  |
|     |     | -270  | -454  |     |     | -260  | -210  |
|     |     | -280  | -472  |     |     | -270  | -218  |
|     |     | -290  | -490  |     |     | -280  | -226  |
|     |     | -300  | -508  |     |     | -290  | -234  |
|     |     | -310  | -526  |     |     | -300  | -242  |
|     |     | -320  | -544  |     |     | -310  | -250  |
|     |     | -330  | -562  |     |     | -320  | -258  |
|     |     | -340  | -580  |     |     | -330  | -266  |
|     |     | -350  | -598  |     |     | -340  | -274  |
|     |     | -360  | -616  |     |     | -350  | -282  |
|     |     | -370  | -634  |     |     | -360  | -290  |
|     |     | -380  | -652  |     |     | -370  | -298  |
|     |     | -390  | -670  |     |     | -380  | -306  |
|     |     | -400  | -688  |     |     | -390  | -314  |
|     |     | -410  | -706  |     |     | -400  | -322  |
|     |     | -420  | -724  |     |     | -410  | -330  |
|     |     | -430  | -742  |     |     | -420  | -338  |
|     |     | -440  | -760  |     |     | -430  | -346  |
|     |     | -450  | -778  |     |     | -440  | -354  |
|     |     | -460  | -796  |     |     | -450  | -362  |
|     |     | -470  | -814  |     |     | -460  | -370  |
|     |     | -480  | -832  |     |     | -470  | -378  |
|     |     | -490  | -850  |     |     | -480  | -386  |
|     |     | -500  | -868  |     |     | -490  | -394  |
|     |     | -510  | -886  |     |     | -500  | -402  |
|     |     | -520  | -904  |     |     | -510  | -410  |
|     |     | -530  | -922  |     |     | -520  | -418  |
|     |     | -540  | -940  |     |     | -530  | -426  |
|     |     | -550  | -958  |     |     | -540  | -434  |
|     |     | -560  | -976  |     |     | -550  | -442  |
|     |     | -570  | -994  |     |     | -560  | -450  |
|     |     | -580  | -1012 |     |     | -570  | -458  |
|     |     | -590  | -1030 |     |     | -580  | -466  |
|     |     | -600  | -1048 |     |     | -590  | -474  |
|     |     | -610  | -1066 |     |     | -600  | -482  |
|     |     | -620  | -1084 |     |     | -610  | -490  |
|     |     | -630  | -1102 |     |     | -620  | -498  |
|     |     | -640  | -1120 |     |     | -630  | -506  |
|     |     | -650  | -1138 |     |     | -640  | -514  |
|     |     | -660  | -1156 |     |     | -650  | -522  |
|     |     | -670  | -1174 |     |     | -660  | -530  |
|     |     | -680  | -1192 |     |     | -670  | -538  |
|     |     | -690  | -1210 |     |     | -680  | -546  |
|     |     | -700  | -1228 |     |     | -690  | -554  |
|     |     | -710  | -1246 |     |     | -700  | -562  |
|     |     | -720  | -1264 |     |     | -710  | -570  |
|     |     | -730  | -1282 |     |     | -720  | -578  |
|     |     | -740  | -1300 |     |     | -730  | -586  |
|     |     | -750  | -1318 |     |     | -740  | -594  |
|     |     | -760  | -1336 |     |     | -750  | -602  |
|     |     | -770  | -1354 |     |     | -760  | -610  |
|     |     | -780  | -1372 |     |     | -770  | -618  |
|     |     | -790  | -1390 |     |     | -780  | -626  |
|     |     | -800  | -1408 |     |     | -790  | -634  |
|     |     | -810  | -1426 |     |     | -800  | -642  |
|     |     | -820  | -1444 |     |     | -810  | -650  |
|     |     | -830  | -1462 |     |     | -820  | -658  |
|     |     | -840  | -1480 |     |     | -830  | -666  |
|     |     | -850  | -1498 |     |     | -840  | -674  |
|     |     | -860  | -1516 |     |     | -850  | -682  |
|     |     | -870  | -1534 |     |     | -860  | -690  |
|     |     | -880  | -1552 |     |     | -870  | -698  |
|     |     | -890  | -1570 |     |     | -880  | -706  |
|     |     | -900  | -1588 |     |     | -890  | -714  |
|     |     | -910  | -1606 |     |     | -900  | -722  |
|     |     | -920  | -1624 |     |     | -910  | -730  |
|     |     | -930  | -1642 |     |     | -920  | -738  |
|     |     | -940  | -1660 |     |     | -930  | -746  |
|     |     | -950  | -1678 |     |     | -940  | -754  |
|     |     | -960  | -1696 |     |     | -950  | -762  |
|     |     | -970  | -1714 |     |     | -960  | -770  |
|     |     | -980  | -1732 |     |     | -970  | -778  |
|     |     | -990  | -1750 |     |     | -980  | -786  |
|     |     | -1000 | -1768 |     |     | -990  | -794  |
|     |     | -1010 | -1786 |     |     | -1000 | -802  |
|     |     | -1020 | -1804 |     |     | -1010 | -810  |
|     |     | -1030 | -1822 |     |     | -1020 | -818  |
|     |     | -1040 | -1840 |     |     | -1030 | -826  |
|     |     | -1050 | -1858 |     |     | -1040 | -834  |
|     |     | -1060 | -1876 |     |     | -1050 | -842  |
|     |     | -1070 | -1894 |     |     | -1060 | -850  |
|     |     | -1080 | -1912 |     |     | -1070 | -858  |
|     |     | -1090 | -1930 |     |     | -1080 | -866  |
|     |     | -1100 | -1948 |     |     | -1090 | -874  |
|     |     | -1110 | -1966 |     |     | -1100 | -882  |
|     |     | -1120 | -1984 |     |     | -1110 | -890  |
|     |     | -1130 | -2002 |     |     | -1120 | -898  |
|     |     | -1140 | -2020 |     |     | -1130 | -906  |
|     |     | -1150 | -2038 |     |     | -1140 | -914  |
|     |     | -1160 | -2056 |     |     | -1150 | -922  |
|     |     | -1170 | -2074 |     |     | -1160 | -930  |
|     |     | -1180 | -2092 |     |     | -1170 | -938  |
|     |     | -1190 | -2110 |     |     | -1180 | -946  |
|     |     | -1200 | -2128 |     |     | -1190 | -954  |
|     |     | -1210 | -2146 |     |     | -1200 | -962  |
|     |     | -1220 | -2164 |     |     | -1210 | -970  |
|     |     | -1230 | -2182 |     |     | -1220 | -978  |
|     |     | -1240 | -2200 |     |     | -1230 | -986  |
|     |     | -1250 | -2218 |     |     | -1240 | -994  |
|     |     | -1260 | -2236 |     |     | -1250 | -1002 |
|     |     | -1270 | -2254 |     |     | -1260 | -1010 |
|     |     | -1280 | -2272 |     |     | -1270 | -1018 |
|     |     | -1290 | -2290 |     |     | -1280 | -1026 |
|     |     | -1300 | -2308 |     |     | -1290 | -1034 |
|     |     | -1310 | -2326 |     |     | -1300 | -1042 |
|     |     | -1320 | -2344 |     |     | -1310 | -1050 |
|     |     | -1330 | -2362 |     |     | -1320 | -1058 |
|     |     | -1340 | -2380 |     |     | -1330 | -1066 |
|     |     | -1350 | -2398 |     |     | -1340 | -1074 |
|     |     | -1360 | -2416 |     |     | -1350 | -1082 |
|     |     | -1370 | -2434 |     |     | -1360 | -1090 |
|     |     | -1380 | -2452 |     |     | -1370 | -1098 |
|     |     | -1390 | -2470 |     |     | -1380 | -1106 |
|     |     | -1400 | -2488 |     |     | -1390 | -1114 |
|     |     | -1410 | -2506 |     |     | -1400 | -1122 |
|     |     | -1420 | -2524 |     |     | -1410 | -1130 |
|     |     | -1430 | -2542 |     |     | -1420 | -1138 |
|     |     | -1440 | -2560 |     |     | -1430 | -1146 |
|     |     | -1450 | -2578 |     |     | -1440 | -1154 |
|     |     | -1460 | -2596 |     |     | -1450 | -1162 |
|     |     | -1470 | -2614 |     |     | -1460 | -1170 |
|     |     | -1480 | -2632 |     |     | -1470 | -1178 |
|     |     | -1490 | -2650 |     |     | -1480 | -1186 |
|     |     | -1500 | -2668 |     |     | -1490 | -1194 |
|     |     | -1510 | -2686 |     |     | -1500 | -1202 |
|     |     | -1520 | -2704 |     |     | -1510 | -1210 |
|     |     | -1530 | -2722 |     |     | -1520 | -1218 |
|     |     | -1540 | -2740 |     |     | -1530 | -1226 |
|     |     | -1550 | -2758 |     |     | -1540 | -1234 |
|     |     | -1560 | -2776 |     |     | -1550 | -1242 |
|     |     | -1570 | -2794 |     |     | -1560 | -1250 |
|     |     | -1580 | -2812 |     |     | -1570 | -1258 |
|     |     | -1590 | -2830 |     |     | -1580 | -1266 |
|     |     | -1600 | -2848 |     |     | -1590 | -1274 |
|     |     | -1610 | -2866 |     |     | -1600 | -1282 |
|     |     | -1620 | -2884 |     |     | -1610 | -1290 |
|     |     | -1630 | -2902 |     |     | -1620 | -1298 |
|     |     | -1640 | -2920 |     |     | -1630 | -1306 |
|     |     | -1650 | -2938 |     |     | -1640 | -1314 |
|     |     | -1660 | -2956 |     |     | -1650 | -1322 |
|     |     | -1670 | -2974 |     |     | -1660 | -1330 |
|     |     | -1680 | -2992 |     |     | -1670 | -1338 |
|     |     | -1690 | -3010 |     |     | -1680 | -1346 |
|     |     | -1700 | -3028 |     |     | -1690 | -1354 |
|     |     | -1710 | -3046 |     |     | -1700 | -1362 |
|     |     | -1720 | -3064 |     |     | -1710 | -1370 |
|     |     | -1730 | -3082 |     |     | -1720 | -1378 |
|     |     | -1740 | -3100 |     |     | -1730 | -1386 |
|     |     | -1750 | -3118 |     |     | -1740 | -1394 |
|     |     | -1760 | -3136 |     |     | -1750 | -1402 |
|     |     | -1770 | -3154 |     |     | -1760 | -1410 |
|     |     | -1780 | -3172 |     |     | -1770 | -1418 |
|     |     | -1790 | -3190 |     |     | -1780 | -1426 |
|     |     | -1800 | -3208 |     |     | -1790 | -1434 |
|     |     | -1810 | -3226 |     |     | -1800 | -1442 |
|     |     | -1820 | -3244 |     |     | -1810 | -1450 |
|     |     | -1830 | -3262 |     |     | -1820 | -1458 |
|     |     | -1840 | -3280 |     |     | -1830 | -1466 |
|     |     | -1850 | -3298 |     |     | -1840 | -1474 |
|     |     | -1860 | -3316 |     |     | -1850 | -1482 |
|     |     | -1870 | -3334 |     |     | -1860 | -1490 |
|     |     | -1880 | -3352 |     |     | -1870 | -1498 |
|     |     | -1890 | -3370 |     |     | -1880 | -1506 |
|     |     | -1900 | -3388 |     |     | -1890 | -1514 |
|     |     | -1910 | -3406 |     |     | -1900 | -1522 |
|     |     | -1920 | -3424 |     |     | -1910 | -1530 |
|     |     | -1930 | -3442 |     |     | -1920 | -1538 |
|     |     | -1940 | -3460 |     |     | -1930 | -1546 |
|     |     | -1950 | -3478 |     |     | -1940 | -1554 |
|     |     | -1960 | -3496 |     |     | -1950 | -1562 |
|     |     | -1970 | -3514 |     |     | -1960 | -1570 |
|     |     | -1980 | -3532 |     |     | -1970 | -1578 |
|     |     | -1990 | -3550 |     |     | -1980 | -1586 |
|     |     | -2000 | -3568 |     |     | -1990 | -1594 |
|     |     | -2010 | -3586 |     |     | -2000 | -1602 |
|     |     | -2020 | -3604 |     |     | -2010 | -1610 |
|     |     | -2030 | -3622 |     |     | -2020 | -1618 |
|     |     | -2040 | -3640 |     |     | -2030 | -1626 |
|     |     | -2050 | -3658 |     |     | -2040 | -1634 |
|     |     | -2060 | -3676 |     |     | -2050 | -1642 |
|     |     | -2070 | -3694 |     |     | -2060 | -1650 |
|     |     | -2080 | -3712 |     |     | -2070 | -1658 |
|     |     | -2090 | -3730 |     |     | -2080 | -1666 |
|     |     | -2100 | -3748 |     |     | -2090 | -1674 |
|     |     | -2110 | -3766 |     |     | -2100 | -1682 |
|     |     | -2120 | -3784 |     |     | -2110 | -1690 |
|     |     | -2130 | -3802 |     |     | -2120 | -1698 |
|     |     | -2140 | -3820 |     |     | -2130 | -1706 |
|     |     | -2150 | -3838 |     |     | -2140 | -1714 |
|     |     | -2160 | -3856 |     |     | -2150 | -1722 |
|     |     | -2170 | -3874 |     |     | -2160 | -1730 |
|     |     | -2180 | -3892 |     |     | -2170 | -1738 |
|     |     |       |       |     |     |       |       |



\*Detailed guarantee terms at <https://rothenberger.com/gb-en/5-year-replacement-warranty>  
(Only in participating countries)













# General purpose tools

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| <b>Cordless impact wrench</b>                     | 324            |
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| <b>Cutting and grinding discs, chisels</b>        | 326            |
| <b>Cordless rotary hammer</b>                     | 327            |
| <b>Cordless LED lamp</b>                          | 328            |
| <b>CAS battery packs and charger</b>              | 329            |
| <b>Hammers, chisels, punches</b>                  | 330            |
| <b>Vices</b>                                      | 331            |
| <b>Workbenches</b>                                | 332            |
| <b>General aids and tool bags</b>                 | 333 - 334      |
| <b>Case system</b>                                | 335 - 337      |

# General purpose tools




## System overview

### ROGRIP pliers

|                       | ROGRIP<br>M 7" 1K   | ROGRIP<br>M 7" 2K   | ROGRIP<br>M 10" 1K  | ROGRIP<br>M 10" 2K   | ROGRIP<br>F 7" 1K   | ROGRIP<br>F 7" 2K   |
|-----------------------|---|---|---|--|---|---|
|                       |  |  |  |  |  |  |
| <b>Working range:</b> | 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")  |
| <b>Length:</b>        | 185 mm (7")   | 185 mm (7")   | 254 mm (10")  | 254 mm (10")   | 185 mm (7")   | 185 mm (7")   |
| <b>Weight:</b>        | 245 g   | 255 g   | 490 g   | 490 g  | 215 g   | 227 g   |
| <b>Material:</b>      | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel  | Chrome vanadium steel   | Chrome vanadium steel   |
| <b>Page</b>           | 302   | 302   | 302   | 302  | 302   | 302   |

### ROGRIP pliers

### Water pump pliers






|                       | <b>ROGRIP<br/>F 10" 1K</b>  | <b>ROGRIP<br/>F 10" 2K</b>  | <b>ROGRIP XL</b>   | <b>Wapu<br/>type SP 7"</b>   | <b>Wapu<br/>type SP 10"</b>   | <b>Wapu<br/>type SP 12"</b>   |
|-----------------------|---|---|--|--|---|---|
|                       |  |  |  |  |  |  |
| <b>Working range:</b> | 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")  |
| <b>Length:</b>        | 254 mm (10")  | 254 mm (10")  | 440 mm (16")   | 175 mm (7")  | 250 mm (10")  | 300 mm (12")  |
| <b>Weight:</b>        | 470 g   | 480 g   | 1.4 kg   | 150 g  | 290 g   | 460 g   |
| <b>Material:</b>      | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel  | Chrome vanadium steel  | Chrome vanadium steel   | Chrome vanadium steel   |
| <b>Page</b>           | <b>302</b>  | <b>302</b>  | <b>303</b>   | <b>304</b>   | <b>304</b>  | <b>304</b>  |

### Water pump pliers






### Corner pipe wrenches 45°

|                       | Wapu<br>type SPK 7"   | Wapu<br>type SPK 10"  | Wapu<br>type SPK 12"  | Corner pipe wrench<br>45 ° Super S, 10"   | Corner pipe wrench<br>45 ° Super S, 12"   |
|-----------------------|---|---|---|---|---|
|                       |  |  |  |  |  |
| <b>Working range:</b> | 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")  |
| <b>Length:</b>        | 175 mm (7")   | 250 mm (10")  | 300 mm (12")  | 250 mm (10")  | 300 mm (12")  |
| <b>Weight:</b>        | 165 g   | 315 g   | 475 g   | 400 g   | 810 g   |
| <b>Material:</b>      | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   |
| <b>Page</b>           | 305   | 305   | 305   | 307   | 307   |

### Corner pipe wrenches 45°

|                       | Corner pipe wrench<br>45° Super S, 16"  | Corner pipe wrench<br>45° Super S, 20"  | Corner pipe wrench<br>45° Super S, 24"  | Corner pipe wrench<br>45°, 10"  | Corner pipe wrench<br>45°, 12"  |
|-----------------------|---|---|---|---|---|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 48 mm (1.1/2")  | Ø 60 mm (2")  | Ø 89 mm (3")  | Ø 22 mm (1/2")  | Ø 34 mm (1")  |
| <b>Length:</b>        | 420 mm (16")  | 540 mm (20")  | 640 mm (24")  | 250 mm (10")  | 300 mm (12")  |
| <b>Weight:</b>        | 1.44 kg   | 2.44 kg   | 3.4 kg  | 370 g   | 740 g   |
| <b>Material:</b>      | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   |
| <b>Page</b>           | 307   | 307   | 307   | 307   | 307   |

### Corner pipe wrenches 45°

|                       | Corner pipe wrench<br>45°, 16"  | Corner pipe wrench<br>45°, 20"  | Pipe wrench 90°<br>12"  | Pipe wrench 90°<br>16"  | Pipe wrench 90°<br>20"  |
|-----------------------|---|---|---|---|---|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 48 mm (1.1/2")  | Ø 60 mm (2")  | Ø 34 mm (1")  | Ø 48 mm (1.1/2")  | Ø 60 mm (2")  |
| <b>Length:</b>        | 420 mm (16")  | 540 mm (20")  | 300 mm (12")  | 420 mm (16")  | 540 mm (20")  |
| <b>Weight:</b>        | 1.34 kg   | 2.4 kg  | 740 g   | 1.34 kg   | 2.4 kg  |
| <b>Material:</b>      | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   |
| <b>Page</b>           | 307   | 307   | 307   | 307   | 307   |

### Pipe wrenches 90°

|                       | Pipe wrench 90°<br>24"  | Pipe wrench 90°<br>36"  | HEAVY DUTY 6"   | HEAVY DUTY 8"   | HEAVY DUTY 10"  |
|-----------------------|---|---|---|---|---|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 89 mm (3")  | Ø 114 mm (4")   | Ø 22 mm (1/2")  | Ø 32 mm (1")  | Ø 48 mm (1.1/2")  |
| <b>Length:</b>        | 640 mm (24")  | 750 mm (36")  | 152 mm (6")   | 200 mm (8")   | 250 mm (10")  |
| <b>Weight:</b>        | 3.4 kg  | 5.6 kg  | 250 g   | 400 g   | 780 g   |
| <b>Material:</b>      | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   |
| <b>Page</b>           | 307   | 307   | 308   | 308   | 308   |



# General purpose tools

## System overview

### One-handed pipe wrench HEAVY DUTY

|                       | HEAVY DUTY 12"  | HEAVY DUTY 14"  | HEAVY DUTY 18"  | HEAVY DUTY 24"  | HEAVY DUTY 36"  |
|-----------------------|---|---|---|---|---|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 60 mm (2")  | Ø 60 mm (2")  | Ø 73 mm (2.1/2")  | Ø 89 mm (3")  | Ø 141 mm (5")   |
| <b>Length:</b>        | 300 mm (12")  | 350 mm (14")  | 450 mm (18")  | 600 mm (24")  | 900 mm (36")  |
| <b>Weight:</b>        | 1.25 kg   | 1.68 kg   | 2.67 kg   | 4.32 kg   | 7.5 kg  |
| <b>Material:</b>      | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   | Chrome vanadium steel   |
| <b>Page</b>           | 308   | 308   | 308   | 308   | 308   |

### One-handed pipe wrench HEAVY DUTY

|                       | HEAVY DUTY 48"   | HEAVY DUTY 60"   | ALUDUR 10"   | ALUDUR 14"   | ALUDUR 18"   |
|-----------------------|--|--|--|--|--|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 168 mm (6")  | Ø 203 mm (8")  | Ø 48 mm (1.1/2")   | Ø 60 mm (2")   | Ø 73 mm (2.1/2")   |
| <b>Length:</b>        | 1,200 mm (48")   | 1,300 mm (60")   | 250 mm (10")   | 350 mm (14")   | 450 mm (18")   |
| <b>Weight:</b>        | 15.8 kg  | 24 kg  | 480 g  | 990 g  | 1.63 kg  |
| <b>Material:</b>      | Chrome vanadium steel  | Chrome vanadium steel  | Aluminium  | Aluminium  | Aluminium  |
| <b>Page</b>           | 308  | 308  | 308  | 308  | 308  |

### One-handed pipe wrench ALUDUR

### One-handed pipe wrench ALUDUR

### Pliers wrench

|                       | ALUDUR 24"  | ALUDUR 36"  | ALUDUR 48"  | ALUDUR 60"  | ROFAST  |
|-----------------------|---|---|---|---|---|
|                       |  |  |  |  |  |
| <b>Working range:</b> | Ø 89 mm (3")  | Ø 141 mm (5")   | Ø 168 mm (6")   | Ø 200 mm (8")   | Ø 50 mm (1.7/8")  |
| <b>Length:</b>        | 600 mm (24")  | 900 mm (36")  | 1,200 mm (48")  | 1,300 mm (60")  | 254 mm (10")  |
| <b>Weight:</b>        | 2.51 kg   | 5 kg  | 8.42 kg   | 14.6 kg   | 580 g   |
| <b>Material:</b>      | Aluminium   | Aluminium   | Aluminium   | Aluminium   | Chrome vanadium steel   |
| <b>Page</b>           | 308   | 308   | 308   | 308   | 310   |

### One-handed pipe wrench STILLSON

|   | STILLSON 8"   | STILLSON 10"  | STILLSON 12"  | STILLSON 14"  | STILLSON 18"       |
|---|---|---|---|---|--------------------|
|  |  |  |  |  |                    |
| <b>Working range:</b>   | Ø 27 mm (3/4")  | Ø 34 mm (1")  | Ø 43 mm (1.1/4")  | Ø 48 mm (1.1/2")  | Ø 60 mm (2")       |
| <b>Length:</b>  | 200 mm (8")   | 250 mm (10")  | 300 mm (12")  | 350 mm (14")  | 450 mm (18")       |
| <b>Weight:</b>  | 280 g   | 590 g   | 715 g   | 1.04 kg   | 1.74 kg            |
| <b>Material:</b>  | Steel, drop forged  | Steel, drop forged  | Steel, drop forged  | Steel, drop forged  | Steel, drop forged |
| <b>Page</b>   | 308   | 308   | 308   | 308   | 308                |

### One-handed pipe wrench STILLSON

|  | STILLSON 24"   | STILLSON 36"       |
|--|--|--------------------|
|  |  |                    |
| <b>Working range:</b>  | Ø 73 mm (2.1/2")   | Ø 102 mm (3.1/2")  |
| <b>Length:</b>   | 600 mm (24")   | 900 mm (36")       |
| <b>Weight:</b>   | 3.08 kg  | 5.69 kg            |
| <b>Material:</b>   | Steel, drop forged   | Steel, drop forged |
| <b>Page</b>  | 308  | 308                |

### ROCASE case system

|  | ROCASE   | ROBOX              |
|--|--|--------------------|
|  |  |                    |
| <b>Sizes:</b>  | 5  | 2                  |
| <b>Volume:</b>   | 5.7 until 48.2 l   | 0.65 until 1.37 l  |
| <b>Weight:</b>   | 0.63 until 2.64 kg   | 0.09 until 0.17 kg |
| <b>Material:</b>   | ABS plastic  | ABS plastic        |
| <b>Page</b>  | 335  | 336                |

### Power tools

| RO DD60   | RO ID400  | RO AG8000   | RO RH4000  | RO FL180  |
|---|---|---|--|---|
|  |  |  |  |  |
| <b>Voltage:</b> 18 V  | <b>Voltage:</b> 18 V  | <b>Voltage:</b> 18 V  | <b>Voltage:</b> 18 V   | <b>Max. lumin. flux:</b> 410 lm   |
| <b>Max. torque soft:</b> 34 Nm  | <b>Max. torque:</b> 400 Nm  | <b>Grinding wheel Ø:</b> 125 mm   | <b>Max. single blow energy (EPTA):</b> 2.2 J   | <b>Max. operation time per battery load:</b>  |
| <b>Max. torque hard:</b> 60 Nm  | <b>Max. impact rate:</b> 4,250 /min.  | <b>Idle frequency:</b> 8,000 /min.  | <b>Max. impact rate:</b> 4,000 /min.   | 18 V/2.0 Ah: 4.5 Std.   |
| <b>Drill-Ø steel:</b> 13 mm   | <b>Bit retainer:</b> Male square 1/2" (12.7 mm)                                     |   | <b>Drill-Ø concrete:</b> 24 mm   | 18 V/4.0 Ah: 9.1 Std.   |
| <b>Drill-Ø soft wood:</b> 38 mm   | <b>Speed/torque levels:</b> 12  |   | <b>Bit retainer:</b> SDS-plus  | <b>Weight:</b> 0.46 kg  |
| <b>No-load speed:</b> 0 - 450 / 0 - 1,600 /min                                      |   |   |  |   |
| <b>321</b>  | <b>324</b>  | <b>325</b>  | <b>327</b>   | <b>328</b>  |

# General purpose tools

## Pliers

### ROGRIP M


#### Quickly adjustable water pump pliers

##### KEY FEATURES

- **Durable:** Due to double hardening, the teeth are particularly wear-resistant
- **Slip-resistant:** The shape of the teeth (self-locking), the 3-touch-point grip on the pipe and the soft-touch handle, prevent slipping of the pliers
- **Large gripping capacity:** 30% more gripping capacity\*: 10" pliers up to 2" pipe diameters

##### TECHNICAL DATA

- **Chrome vanadium steel** tempered, drop forged with heavy-duty box joint
- **Polished head and joint**
- **Double hardened jaws**, extremely durable

| Model           | Working range |  | No.        |
|-----------------|---------------|---|------------|
| ROGRIP M 7" 1K  | 1.1/4"        | 6   | 1000002697 |
| ROGRIP M 7" 2K  | 1.1/4"        | 6   | 1000002698 |
| ROGRIP M 10" 1K | 2"            | 6   | 1000002699 |
| ROGRIP M 10" 2K | 2"            | 6   | 1000002700 |

##### Double hardened jaws extremely durable

Good grip on every surface even at highest demands

##### ROTHENBERGER Curve-Shape-Design

Especially suitable for larger pipe diameters. Reduces the danger of fingers getting clamped

##### Large gripping capacity

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

**ROTHENBERGER Curve-Shape-Design – 7" pliers grip like 10" pliers!**



### ROGRIP F

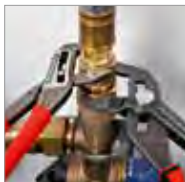
#### Quickly adjustable water pump pliers

##### KEY FEATURES

- **Durable:** Due to double hardening, the teeth are particularly wear-resistant
- **Slip-resistant:** The shape of the teeth (self-locking), the 3-touch-point grip on the pipe and the soft-touch handle, prevent slipping of the pliers
- **Large gripping capacity:** 30% more gripping capacity\*: 10" pliers up to 2" pipe diameters
- **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 clamping. Perfect grip on pipes up to Ø 2"



##### Double hardened jaws extremely durable

Good grip on every surface even at highest demands

##### ROTHENBERGER Curve-Shape-Design

Especially suitable for larger pipe diameters. Reduces the danger of fingers getting clamped

##### Large gripping capacity

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

**ROTHENBERGER Curve-Shape-Design – 7" pliers grip like 10" pliers!**

##### Safety lock system

Prevents unintentional opening and enables a 50% quicker adjustment





ROGRIP XL

Quickly adjustable water pump pliers

KEY FEATURES

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

TECHNICAL DATA

- **Chrome vanadium steel** tempered, drop forged with heavy-duty box joint
- **Polished head and joint**
- **Double hardened jaws**, extremely durable

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



**Double hardened jaws extremely durable**  
Good grip on every surface even for hardest demands

**Large gripping width**  
Reliable grip and hold up to 3.1/2" pipe diameter

**ROTHENBERGER Curve-Shape-Design**  
Especially ergonomic with larger pipe diameters. Reduces the danger of fingers getting clamped

**14 adjustable positions**  
Variable uses, lateral stability and high strength






**Slip-resistant plastic handles**  
High grip reliability

**Wide handles**  
More comfort and better power transmission

**3-point grip over the middle for reliable clamping. Perfect grip on pipes up to Ø 3.1/2"**

**Curve-Shape-Design: especially ergonomic**

**ROTHENBERGER Curve-Shape-Design – especially ergonomic!**

|  |  |  |  |  |  | No.        |
|--|---|---|---|---|---|------------|
|  | inch  | mm  | max. inch   | max. mm   | g   |            |
|  | 16"   | 440   | 3.1/2"  | 102   | 1,400   | 1000000328 |

# General purpose tools

## Pliers

### Water pump pliers SP

Complies with DIN 5231 D, with heavy-duty box joint, chrome vanadium steel, drop forged, tempered, polished head and joint



#### Product profile

##### KEY FEATURES

- 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 screws
- Long service life through induction hardened teeth
- Variable use: 7 size settings
- Non-slip even on smooth surfaces
- Safe use with the crush and pinch protection

##### TECHNICAL DATA

- Complies with DIN 5231 D
- Heavy-duty box-joint
- Abrasion-resistant surface protection with the epoxy-powder coating
- Chrome vanadium steel
- Drop forged, tempered
- Polished head and joint

#### Asymmetrical gripping surface

Optimum grip with the rhombus-shaped gripping surface

#### Measurements favourable for corners

Ideal for hard-to-reach places

#### Self-clamping jaws

Non-slip even on smooth pipes

#### Induction hardened teeth

Long service life and high wear resistance

#### Ergonomically shaped anti-slip legs

Reliable hold

7 size settings (10" and 12"), solid and durable

Variable use

#### Crush and clamp guard

Safe use

Optimum grip



|     |     |        |    |     |   |  | No.   |
|-----|-----|--------|----|-----|---|--|-------|
| 7"  | 175 | 1"     | 34 | 150 | 6 |  | 70527 |
| 10" | 250 | 1.1/4" | 43 | 290 | 6 |  | 70528 |
| 12" | 300 | 1.1/2" | 48 | 460 | 6 |  | 70529 |

Water pump pliers type SPK







KEY FEATURES

- Features similar to type SP, additionally with plastic covered handles



Increased safety:  
Plastic covered handles!



|  |  |  |  |  |  | No.     |
|---|---|---|---|---|---|---------|
| inch  | mm  | max. inch   | max. mm   | g   |   |         |
| 7"  | 175   | 1"  | 34  | 165   | 6   | 70521   |
| 10"   | 250   | 1.1/4"  | 43  | 315   | 6   | 70522   |
| 12"   | 300   | 1.1/2"  | 48  | 475   | 6   | 70523   |
| 10"   | Counter display (12 pcs.)   |   |   |   |   | 070522D |



Grooved water pump pliers CL







Chrome vanadium steel, chrome-plated, drop forged, tempered, polished head and sliding joint, even jaws, in compliance with DIN 5231 E



KEY FEATURES

- No slipping of the joint possible
- Absolutely firm fit in every open position
- Easy, smooth adjustment
- Induction hardened teeth for a long service life
- Crush and clamp guard prevent injuries
- Plastic covered handles



|  |  |  |  |  |  | No.   |
|---|---|---|---|---|---|-------|
| inch  | mm  | max. inch   | max. mm   | g   |   |       |
| 9.1/2"  | 245   | 1.1/2"  | 48  | 330   | 1   | 70591 |
| 12"   | 300   | 2"  | 60  | 560   | 1   | 70592 |
| 16"   | 420   | 4"  | 114   | 1,150   | 1   | 70593 |





# General purpose tools

## Pliers sets

### ROBOX pliers sets

3-part pliers sets for holding and turning of diverse types of pipes

3-part set (No. 1000002188) includes:

corner pipe wrench 45°, SUPER S, 1" (No. 070122X), ROGRIP M 10" 1K (No. 1000002699), ROGRIP M 7" 1K (1000002697), ROBOX B2650 (No. 1000002763)

3-part set (No. 1000002189) includes:

one-handed pipe wrench ALUDUR, 14" (No. 70160), ROGRIP M 10" (No. 100002699), ROGRIP M 7" 1K (1000002697), ROBOX B2650 (No. 1000002763)

For the individual pliers see 302 - 310

| Model  | kg  | No.         |
|--|-----|-------------|
| Pliers set w/ corner pipe wrench, ROBOX (3 pcs.) | 1.6 | 1000002188* |
| Pliers set w/ ALUDUR, ROBOX (3 pcs.)             | 1.7 | 1000002189* |

\* ROBOX system p. 336

No. 1000002188



No. 1000002189

### Professional sets

Practice-oriented set of pipe wrenches and pipe cutter

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

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

| Model                               | kg  | No.     |
|-------------------------------------|-----|---------|
| Set 1 - 1.1/2" - 2"                 | 5.0 | 070130X |
| Set 2 - 1.1/2" + wapu SP 10" + TC35 | 3.1 | 070135X |
| Set 3 - 1.1/2" + wapu SP 10"        | 2.7 | 070140X |



No. 070130X



No. 070135X



No. 070140X

### ROGRIP pliers sets

The quickly adjustable water pump pliers generation ROGRIP is available as practice-oriented sets in two different sizes.

3-part set (No. 1000001068) includes:

ROGRIP M 7" 1K (No. 1000002697), ROGRIP M 10" 1K (No. 1000002699), ROGRIP XL 16" (No. 1000000328)

| Model                                     | No.        |
|---|------------|
| ROGRIP set M 7" 1K + M 10" 1K + ROGRIP XL | 1000001068 |



No. 1000001068







### Corner pipe wrench 45°, SUPER S







Chrome vanadium steel, drop forged, tempered, with reinforced sleeve, polished jaws and a favourable size for corners

#### KEY FEATURES

- Self-clamping: 3-point clamping ensures reliable and firm grip even on smooth pipes
- Reliable grip and non-slip with teeth set against turning direction, induction hardened
- Double-T profile jaws, ideal for clamping different material forms, enables universal application



|  |  |  |  |  |  | No.     |
|---|---|---|---|---|---|---------|
| 1/2"  | 22  | 10"   | 250   | 400   | 6   | 070121X |
| 1"  | 34  | 12"   | 300   | 810   |   | 070122X |
| 1.1/2"  | 48  | 16"   | 420   | 1,440   |   | 070123X |

|  |  |  |  |  |  | No.     |
|---|---|--|---|---|---|---------|
| 2"  | 60  | 20"  | 540   | 2,440   |   | 070124X |
| 3"  | 89  | 24"  | 640   | 3,400   | 1   | 070125  |






### Corner pipe wrench 45°






Chrome vanadium steel, drop forged, tempered, with reinforced sleeve, polished jaws and a favourable size for corners

#### KEY FEATURES

- Favourable size for corners
- Thin muzzle with thin jaws, 45° angled



|  |  |  |  |  | No.     |
|---|---|---|---|---|---------|
| 1/2"  | 22  | 10"   | 250   | 370   | 070131X |
| 1"  | 34  | 12"   | 300   | 740   | 070132X |

|  |  |  |  |  | No.     |
|---|---|--|---|---|---------|
| 1.1/2"  | 48  | 16"  | 420   | 1,340   | 070133X |
| 2"  | 60  | 20"  | 540   | 2,400   | 070134X |






### Pipe wrench 90°






Chrome vanadium steel, drop forged, tempered, with reinforced sleeve, polished jaws and a favourable size for corners

#### KEY FEATURES

- Favourable size for corners
- Thin muzzle with thin jaws, 90° angled



|  |  |  |  |  | No.     |
|---|---|---|---|---|---------|
| 1"  | 34  | 12"   | 300   | 740   | 070110X |
| 1.1/2"  | 48  | 16"   | 420   | 1,340   | 070111X |
| 2"  | 60  | 20"   | 540   | 2,400   | 070112X |

|  |  |  |  |  | No.    |
|---|---|--|---|---|--------|
| 3"  | 89  | 24"  | 640   | 3,400   | 070113 |
| 4"  | 114   | 36"  | 750   | 5,600   | 070114 |

# General purpose tools

## Pliers


### One-handed pipe wrench HEAVY DUTY

#### KEY FEATURES

- One-handed ratchet-like use, self-clamping, spring-supported hook
- Quick preset of pipe-Ø using scale on hook
- Wearing parts replaceable: hook and heel jaw can be purchased separately
- Monoblock cast body with high strength, double T profile, forged jaw and hook, fine polished, teeth set against turning direction, induction hardened, tempered and non-slip adjustment screw



2-part set (No. 1000002194) includes: one-handed pipe wrench HEAVY DUTY 6" (No. 70148), ROBOX B2350 (No. 1500002641)

| Model   | kg   | No.         |
|---|------|-------------|
| One-handed pipe wrench HEAVY DUTY 6", ROBOX  | 0.33 | 1000002194* |

\* ROBOX system p. 336



US-norm GGG-W-651  
type II class A

| L    | L     | Ø      | Ø   | kg    |   | No.    | No.   | No.   |
|------|-------|--------|-----|-------|---|--------|-------|-------|
| Inch | mm    | Inch   | mm  |       |   | pliers | hook  | jaws  |
| 6"   | 160   | 3/4"   | 26  | 0.25  | 1 | 70148  | 70199 | 70189 |
| 8"   | 200   | 1"     | 32  | 0.40  | 1 | 70150  | 70200 | 70190 |
| 10"  | 250   | 1.1/2" | 48  | 0.78  | 1 | 70151  | 70201 | 70191 |
| 12"  | 300   | 2"     | 60  | 1.25  | 1 | 70152  | 70202 | 70192 |
| 14"  | 350   | 2"     | 60  | 1.68  | 1 | 70153  | 70203 | 70193 |
| 18"  | 450   | 2.1/2" | 73  | 2.67  | 1 | 70154  | 70204 | 70194 |
| 24"  | 600   | 3"     | 89  | 4.32  | 1 | 70155  | 70205 | 70195 |
| 36"  | 900   | 5"     | 141 | 7.5   | 1 | 70156  | 70206 | 70196 |
| 48"  | 1,200 | 6"     | 168 | 15.80 | 1 | 70157  | 70207 | 70197 |
| 60"  | 1,300 | 8"     | 203 | 24.00 | 1 | 70158  | 70208 | 70198 |

### One-handed pipe wrench ALUDUR

#### KEY FEATURES

- Features similar to **HEAVY DUTY**
- **Weight savings of approx. 40%:** extremely light, high strength aluminium alloy
- Wearing parts replaceable: hook and heel jaw can be purchased separately



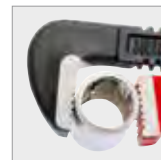
US-norm GGG-W-651  
type I class B

| L    | L     | Ø      | Ø   | kg    |   | No.    | No.   | No.   |
|------|-------|--------|-----|-------|---|--------|-------|-------|
| Inch | mm    | Inch   | mm  |       |   | pliers | hook  | jaws  |
| 10"  | 250   | 1.1/2" | 48  | 0.48  | 1 | 70159  | 70201 | 70191 |
| 14"  | 350   | 2"     | 60  | 0.99  | 1 | 70160  | 70203 | 70192 |
| 18"  | 450   | 2.1/2" | 73  | 1.63  | 1 | 70161  | 70204 | 70194 |
| 24"  | 600   | 3"     | 89  | 2.51  | 1 | 70162  | 70205 | 70195 |
| 36"  | 900   | 5"     | 141 | 5.00  | 1 | 70163  | 70206 | 70196 |
| 48"  | 1,200 | 6"     | 168 | 8.42  | 1 | 70168  | 70207 | 70197 |
| 60"  | 1,300 | 8"     | 203 | 14.60 | 1 | 70169  | 70208 | 70198 |

### One-handed pipe wrench STILLSON

#### KEY FEATURES

- 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









| L    | L   | Ø      | Ø   | kg   |   | No.    | No.   |
|------|-----|--------|-----|------|---|--------|-------|
| Inch | mm  | Inch   | mm  |      |   | pliers | hook  |
| 8"   | 200 | 3/4"   | 27  | 0.28 | 1 | 70350  | 70374 |
| 10"  | 250 | 1"     | 34  | 0.59 | 1 | 70351  | 70375 |
| 12"  | 300 | 1.1/4" | 43  | 0.72 | 1 | 70352  | 70376 |
| 14"  | 350 | 1.1/2" | 48  | 1.04 | 1 | 70353  | 70377 |
| 18"  | 450 | 2"     | 60  | 1.74 | 1 | 70354  | 70378 |
| 24"  | 600 | 2.1/2" | 73  | 3.08 | 1 | 70355  | 70379 |
| 36"  | 900 | 3.1/2" | 102 | 5.69 | 1 | 70356  | 70380 |



### One-handed pipe wrench OFFSET PATTERN HEAVY DUTY

#### KEY FEATURES

- Offset wrench head is ideal for working in confined spaces (e.g. near to the wall)
- One-handed ratchet-like use, self-clamping, spring-supported hook
- Quick preset of pipe Ø using scale on hook
- Wearing parts replaceable: hook and heel jaw can be purchased separately






|  |  |  |  |  |  | No.<br>pliers | No.<br>hook | No.<br>jaws |
|---|---|---|---|---|---|---------------|-------------|-------------|
| Inch  | mm  | Inch  | mm  | kg  |   |               |             |             |
| 10"   | 250   | 1.1/2"  | 48  | 750   | 1   | 70166         | 70201       | 70191       |
| 14"   | 350   | 2"  | 60  | 1,460   | 1   | 70167         | 70203       | 70192       |



### One-handed corner pipe wrench 90°

#### KEY FEATURES

- Features similar to **HEAVY DUTY**
- **Weight savings of approx. 40%:** extremely light, high strength aluminium alloy







|  |  |  |  |  | No.<br>pliers | No.<br>hook | No.<br>jaws |
|---|---|---|---|---|---------------|-------------|-------------|
| Inch  | mm  | Inch  | mm  | kg  |               |             |             |
| 14"   | 350   | 2"  | 60  | 890   | 70115         | 70203       | 70192       |
| 18"   | 450   | 2.1/2"  | 73  | 1,490   | 70116         | 70204       | 70194       |



### Chain pipe wrench 4" R/L

#### KEY FEATURES

- Profile handle made of drop forged chrome vanadium steel, polished head with hardened special tooth system, powerful chain made of tempered special steel
- Double-sided teeth surface set against the turning direction for use in both directions without re-inserting

|  |  |  |  |  |  | No.   |
|---|---|---|---|---|---|-------|
| max. Inch   | max. mm   | Inch  | mm  | g   |   |       |
| 4"  | 115   | 12"   | 300   | 780   | 1   | 70235 |







### Chain pipe wrench HEAVY DUTY


Very robust model for the toughest conditions, proven in pipeline construction, jaws and handle are forged, jaws are replaceable

#### KEY FEATURES

- Strong chain made of tempered special steel – fits every cross-section
- Double-sided tooth system for ratchet-like use, for right and left-handed operation

|  |  | jaws<br>width mm |  |  | No.<br>pliers | No.<br>jaws |
|---|---|------------------|---|---|---------------|-------------|
| max. Inch   | max. mm   |                  | mm  | kg  |               |             |
| 1.1/2"  | 48  | 38               | 350   | 1.4   | 70242         | 70571       |
| 2.1/2"  | 73  | 52               | 690   | 3.5   | 70243         | 70572       |
| 4"  | 114   | 63               | 940   | 6.7   | 70244         | 70573       |
| 6"  | 168   | 78               | 1,120   | 12.6  | 70245         | 70574       |
| 8"  | 220   | 80               | 1,280   | 17.2  | 70246         | 70575       |
| 12"   | 324   | 84               | 1,630   | 24.2  | 70247         |             |



| Model                         |  | No.   |
|-------------------------------|---|-------|
| Spare chain HEAVY DUTY 2.1/2" | 0.95  | 70263 |
| Spare chain HEAVY DUTY 4"     | 1.40  | 70264 |
| Spare chain HEAVY DUTY 6"     | 2.80  | 70265 |
| Spare chain HEAVY DUTY 8"     | 3.40  | 70266 |
| Spare chain HEAVY DUTY 12"    | 5.10  | 70267 |

# General purpose tools

## Pliers

### Fittings wrench 90°

Special chrome vanadium steel, steel forged

#### KEY FEATURES

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



**Plastic jaws, gentle grip!**



| max. Inch    | max. mm | L<br>Inch | L<br>mm | g   |   | No.          |
|--------------|---------|-----------|---------|-----|---|--------------|
| 1"           | 35      | 14"       | 356     | 740 | 1 | <b>70545</b> |
| Plastic jaws |         |           |         | 10  |   | <b>70548</b> |

### Fitting key

Steel forged, burnished, smooth jaws for protection of fittings and delicate or polished surfaces



| Model           | L<br>mm | Clamping width and depth<br>mm |    |     | g | No.           |
|-----------------|---------|--------------------------------|----|-----|---|---------------|
| Grid adjustment | 260     | 75                             | 45 | 690 |   | <b>350850</b> |
| Roll adjustment | 275     | 65                             | 45 | 780 |   | <b>350900</b> |

### ROFAST pliers wrench

For gripping, holding, clenching and bending of chrome-plated fittings with delicate surfaces

#### KEY FEATURES

- Gentle to surfaces: Smooth, parallel jaws enable use on delicate surfaces
- Versatile: Replaces spanner sets (0 - 50 mm or 0 - 1.7/8") and dispenses with use of other tools
- Convenient handling: Excellent pressing and clamping force with 10x force transfer for high gripping power



| max. Inch | max. mm | L<br>Inch | L<br>mm | g   | No.               |
|-----------|---------|-----------|---------|-----|-------------------|
| 1.7/8"    | 50      | 10"       | 254     | 580 | <b>1500003170</b> |

### SANIGRIP/SANIGRIP PL

#### Valve pliers PL

Special chrome vanadium steel, drop forged, chrome-plated, 4 adjustable sizes at joint, with toothed grip jaws. SANIGRIP PL designed with plastic jaws to protect fittings

#### KEY FEATURES

- 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       | L<br>Inch | L<br>mm | max. mm | min. mm | g   | No.          |
|-------------|-----------|---------|---------|---------|-----|--------------|
| SANIGRIP    | 10"       | 250     | 80      | 14      | 270 | <b>70415</b> |
| SANIGRIP PL | 10"       | 250     | 62      | 14      | 280 | <b>70416</b> |



EASYGRIP




Automatic strap wrench for plastic pipes  
Ø 20 - 160 mm (3/4 - 6")

The indispensable tool for socket welding large diameter plastic pipes

KEY FEATURES

- No damage to pipe surface with the centred prismatic support
- Secure grip with special non-slip nylon strap



| Model                |  mm |  Inch |  kg | No.   |
|----------------------|---|---|---|-------|
| EASYGRIP             | 20 - 160  | 6"  | 1.0   | 55075 |
| Spare strap EASYGRIP |   |   | 0.1   | 55076 |








Strap and fittings wrench

Made of aluminium special alloy, with replaceable nylon strap

KEY FEATURES

- Safe to use on chrome-plated fittings without damaging polished surfaces
- Use in the automotive industry (oil filter changes)

|  Inch |  mm |  Inch |  mm |  g | No.   |
|--|--|--|--|---|-------|
| 3"   | 89   | 12"  | 300  | 280   | 70240 |
| Spare strap 3"   |  |  |  | 20  | 70268 |
| 8"   | 220  | 12"  | 300  | 290   | 70241 |
| Spare strap 8"   |  |  |  | 30  | 70269 |





# General purpose tools

## Installation wrenches

### UNI stepped key set

Radiator valve stepped key and ratchet set for installation and removal of heating valve nipples, tank connectors and short tap extensions. Chrome vanadium steel, hardened, nickelplated, square drive 1/2"

#### Product Profile

##### KEY FEATURES

- Universally applicable: cam, internal hexagonal and 12-edged driver, size 3/8 - 1/2 - 3/4 - 1" and other sizes in between
- No canting of nipples and screw connections with the special stepped key design
- Combination key allows installation and removal of heating nipples, tank connections and short tap extensions
- 1/2" ratchet makes installations quick and easy



No. 73298





No. 73280

1/2" ratchet

Fast and easy installation



No. 27180

| Model                            |  g |  | No.          |
|----------------------------------|---|---|--------------|
| Set: UNI stepped key and ratchet | 670   | 10  | <b>73297</b> |
| UNI stepped key                  | 120   |   | <b>73298</b> |
| Gas stepped key                  | 80  |   | <b>73280</b> |
| 1/2" ratchet                     | 440   |   | <b>27180</b> |




### Sanitary four way key

Chrome vanadium special steel

##### KEY FEATURES

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



| Model                                    | Dimensions<br>mm |  g | No.           |
|--|------------------|---|---------------|
| Sanitary four way key<br>multifunctional | 220 x 220        | 610   | <b>351043</b> |

### Sanitary four way key


Chrome vanadium special steel

##### KEY FEATURES

##### Multi-functional combined key:

- Four external hexagonal 3/8", 1/2", 3/4", 1" for short tap, extensions, installation and removal of heating valves and tank connectors
- Three inner threads M8, M10 and M12 for hanger bolts (wash basin fittings)



| Model                                    | Dimensions<br>mm |  g | No.           |
|--|------------------|---|---------------|
| Sanitary four way key<br>multifunctional | 220 x 220        | 590   | <b>351044</b> |

### RO-QUICK

#### Valve key

Release valve holder and key for eccentric and standard valves



No. 70413

No. 70414



#### KEY FEATURES

- Quick and problem-free use by the 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
- Adaptor with star handle for showers, bathtubs (optional accessory)
- Torque-proof immediately on insertion

**No damage to chrome-plated parts!**

| Model              | L mm | g   | No.          |
|--------------------|------|-----|--------------|
| RO-QUICK set       |      |     | <b>70439</b> |
| RO-QUICK valve key | 120  | 300 | <b>70414</b> |
| Adaptor            | 75   | 70  | <b>70413</b> |

### ROCLICK

#### Combined open-ended / hinged ratchet wrench

Chrome vanadium steel, polished and high shine chrome-plated

#### KEY FEATURES

- Moveable ring ratchet allows for use even in tight spaces
- Precise work with the fine-running ratchet (72 teeth)

**Small operating radius of only 5°!**



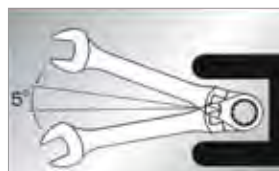
Fig. ROCLICK wrench set



**7-part set (No. 70490) includes:** ROCLICK combined spanner 8 - 10 - 11 - 13 - 14 - 17 - 19 mm, plastic case

| Model                       | g     |   | No.          |
|-----------------------------|-------|---|--------------|
| ROCLICK spanner set, 7 pcs. | 1,150 | 1 | <b>70490</b> |

Small 5° operating radius



Adjustable inclination angle



# General purpose tools

## Installation wrenches

### 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

**DIN**  
-Norm

**Fix with torque  
urgently necessary!**



| 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       |

**7-part set (No. 1750.01) includes:** spanner wrench sizes 17 - 22 - 24 - 26 - 27 - 29 mm, torque wrench, carrying bag

| Model                     | kg  | No.           |
|---------------------------|-----|---------------|
| Torque wrench set, 7 pcs. | 3.5 | <b>175001</b> |

### Ratchet spanner ROCLICK

Chrome vanadium, head black atramentized



#### KEY FEATURES

- 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                   | Key width<br>mm | L<br>mm | g  | No.          |
|-------------------------|-----------------|---------|----|--------------|
| Ratchet spanner ROCLICK | 10              | 134     | 80 | <b>70420</b> |
| Ratchet spanner ROCLICK | 11              | 137     | 80 | <b>70419</b> |
| Ratchet spanner ROCLICK | 12              | 137     | 80 | <b>70421</b> |
| Ratchet spanner ROCLICK | 13              | 137     | 90 | <b>70422</b> |
| Ratchet spanner ROCLICK | 14              | 140     | 90 | <b>70423</b> |

| Model                   | Key width<br>mm | L<br>mm | g   | No.          |
|-------------------------|-----------------|---------|-----|--------------|
| Ratchet spanner ROCLICK | 16              | 184     | 130 | <b>70424</b> |
| Ratchet spanner ROCLICK | 17              | 184     | 140 | <b>70425</b> |
| Ratchet spanner ROCLICK | 19              | 188     | 188 | <b>70426</b> |
| Ratchet spanner ROCLICK | 21              | 230     | 230 | <b>70427</b> |
| Ratchet spanner ROCLICK | 24              | 240     | 240 | <b>70418</b> |

### SWO adjustable wrench

Chrome-vanadium steel, chrome-plated and polished finish



#### KEY FEATURES

- Metric measuring scale on jaws for easy jaws pre-setting and sizing of nuts, bolts, pipes, etc.
- Great accessibility in confined spaces, non-protruding jaw shank at maximum opening
- Absolutely parallel jaw surfaces ensure perfect grip of nuts and screws

| Size | L<br>up to | Clamping width<br>up to mm (Inch) | g   | No.               |
|------|------------|-----------------------------------|-----|-------------------|
| 6"   | 176 mm     | 34 (1.3/8")                       | 205 | <b>1500001509</b> |
| 8"   | 216 mm     | 39 (1.1/2")                       | 345 | <b>1500001510</b> |





### Basin nut wrench

Special chrome vanadium steel, drop forged, very tough

#### KEY FEATURES

- Optimum force transmission with the T-handle
- Rotatable claw for right and left-handed rotation



| Clamping range<br>mm | Clamping range<br>Inch | L<br>mm | g   |   | No.          |
|----------------------|------------------------|---------|-----|---|--------------|
| 19 - 32              | 3/4" - 1.1/4"          | 235     | 475 | 1 | <b>70228</b> |

### Telescopic basin nut wrench

Chrome-plated, with pivoted reversible jaw for right and left-handed rotation



Telescopic attachment,  
3 x adjustable in length!

| Clamping range<br>mm | Clamping range<br>Inch | L<br>mm   | g   | No.          |
|----------------------|------------------------|-----------|-----|--------------|
| 10 - 32              | 3/8 - 1.1/4"           | 275 - 455 | 710 | <b>70225</b> |
| 20 - 48              | 3/4 - 1.7/8"           | 290 - 470 | 740 | <b>70226</b> |
| 32 - 63              | 1.1/4 - 2.1/2"         | 290 - 470 | 780 | <b>70227</b> |

### Basin nut pliers

Special chrome vanadium steel, drop forged, coated with adjustment screw



| Model            | L<br>mm | g   | No.           |
|------------------|---------|-----|---------------|
| Basin nut pliers | 270     | 580 | <b>351050</b> |

### 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  | g    | No.           |
|--|------|---------------|
| Set: Extension 200mm, T-Grip, Key-width 36-47 and bag    | 1000 | <b>100108</b> |
| Set: Extension 200mm, T-Grip, Key-width 27-32-36 and bag | 1050 | <b>100109</b> |
| Set: Extension 200mm, T-Grip, Key-width 32-36-47 and bag | 1200 | <b>100110</b> |

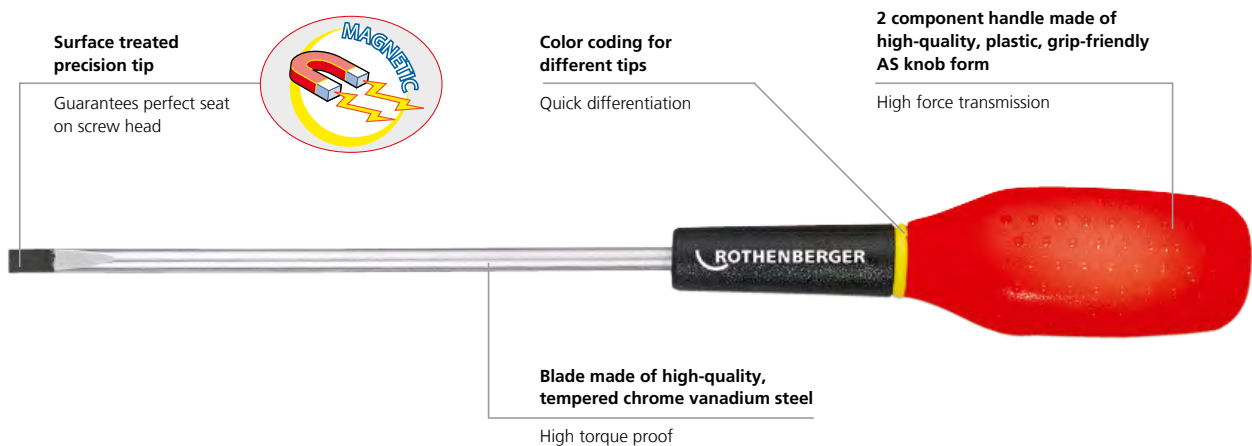
# General purpose tools

## Screwdrivers

### EUROLINE

#### Screwdrivers

| Product profile  |   |
|--|---|
| KEY FEATURES   | CHARACTERISTICS   |
| <ul style="list-style-type: none"><li>● High force transmission with 2 component handle</li><li>● High torque</li><li>● Guarantees perfect seat on screw head</li><li>● Color coding for different tips enables quick differentiation</li><li>● Oil, fat and hydrocarbon resistant</li></ul> | <ul style="list-style-type: none"><li>● Blade made of chrome vanadium steel with high torque and hardness, matt chrome-plated</li><li>● Hardened, burnished tip with high durability for reliable force transmission even for tightly secured screws</li><li>● Guaranteed perfect seat on screw head, long service life even with long term use</li><li>● Handle made of high-quality plastic, grip-friendly AS knob form</li></ul> |



### Screwdrivers sets

| Model                    | kg   | No.   |
|--------------------------|------|-------|
| Screwdriver set Pozidriv | 0.70 | 73571 |
| Screwdriver set Phillips | 0.70 | 73570 |

| Sets include: | Pozidriv<br>No. 73571 | Phillips<br>No. 73570 |
|---------------|-----------------------|-----------------------|
|               | 3.5 x 75 mm           | 3.5 x 75 mm           |
|               | 4 x 100 mm            | 4 x 100 mm            |
|               | 5.5 x 125 mm          | 5.5 x 125 mm          |
|               | 6.5 x 150 mm          | 6.5 x 150 mm          |
|               | PZ 1 x 100 mm         |                       |
|               | PZ 2 x 125 mm         |                       |
|               |                       | PH 1 x 100 mm         |
|               |                       | PH 2 x 125 mm         |

Chisel screwdriver set

EUROLINE IMPAKT






Screwdriver with continuous, strengthened blade

Product profile

KEY FEATURES

- One-piece, strengthened blade with metal cap allows directed hammer blows, for example loosening stuck screws

Set (No. 73575) includes:

|   |               |
|---|---------------|
|  | 5.5 x 100 mm  |
|  | 6.5 x 125 mm  |
|  | 8 x 150 mm    |
|  | PH 1 x 80 mm  |
|  | PH 2 x 100 mm |



2 tools in 1!

Color coding for different tips

Quick differentiation

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

Constant strengthened blade with metal cap




5-part set (No. 73575) includes: slot screwdriver 55 x 100 (No. 73565), 6.5 x 125 (No. 73566), 8 x 150 (No. 73567), Phillips PH 1 x 80 mm 1 (No. 73536), PH 2 x 100 mm (No. 73537)

| Model  |  g | No.   |
|--|---|-------|
| Chisel screwdriver set EUROLINE IMPAKT, 5 pcs. | 950   | 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   |  g | No.    |
|---|---|--------|
| VDE screwdriver set, includes:<br>Slot 2,5 x 75; 4,0 x 100; 5,5 x 125; 6,5 x 150<br>Phillips PH 1 x 80; PH 2 x 100 and live-wire-tester | 680   | 323126 |

# General purpose tools

## Installation aids

### ROCHECK

#### Spirit level for angled valves

For exact vertical and horizontal alignment of fittings

#### KEY FEATURES

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

Precise Installation!



### ROCHECK

#### Spirit level for standard distances

Accurate installations with installation gauge for fittings, with horizontal and vertical levels, unbreakable

#### KEY FEATURES

- For standard distances: 97 - 120 - 153 - 160 - 170 - 200 - 210 mm

Exact Adjustment!

Exact installation by assembling jig for braces



4-part set (No. 70667) includes: spirit level for angled valves 200 mm (No. 70661), spirit level for standard distances 300 mm (No. 70665), 1 flexible ruler 2 m (No. 252100), steel carrying case (No. 24022)

| Model  | g     | No.   |
|--|-------|-------|
| ROCHECK set in steel case                          | 2,260 | 70667 |
| ROCHECK spirit level for angled valves 200 mm      | 220   | 70661 |
| ROCHECK spirit level for standard distances 300 mm | 260   | 70665 |

### Cartridge extractor set

Simple extraction of cartridges in taps



#### KEY FEATURES

- 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

#### Simple use:

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.

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      | g     | No.    |
|------------|-------|--------|
| 9-part set | 1,250 | 854390 |



### Standard spirit level



#### KEY FEATURES

- 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                 | L mm  | g   | No.               |
|-----------------------|-------|-----|-------------------|
| Standard spirit level | 430   | 260 | <b>1500001583</b> |
| Standard spirit level | 600   | 340 | <b>1500001547</b> |
| Standard spirit level | 1,000 | 640 | <b>1500001548</b> |

### ROMATIC and ruler

Measuring tape



#### KEY FEATURES

- Easy handling
- Automatic tape rewind
- With set/stop button that can be used as marker for repeated measurements



| Model                 | Measuring length m | Tape width mm | g   | No.           |
|-----------------------|--------------------|---------------|-----|---------------|
| Tape measure ROMATIC  | 5                  | 19            | 230 | <b>77397</b>  |
| Folding ruler, wooden | 2                  |               | 100 | <b>252100</b> |

### Sheet metal crimping pliers

Self-opening, PVC coated handles



#### KEY FEATURES

- For joining of sheets up to 1 mm thick using ripple on pipe end
- Exact and quick adjustment

| L Zoll | L mm | Sheet thickness mm | g   | No.          |
|--------|------|--------------------|-----|--------------|
| 10"    | 250  | 1.0                | 450 | <b>71095</b> |

# General purpose tools

## Installation aids

### Electrical power combination pliers

- 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



**1000 V**  
IEC 60900

| L mm | g   | No.        |
|------|-----|------------|
| 180  | 250 | 1500003163 |

### Electrical edge cutter Electrical power edge cutter

- 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 3K handles



**1000 V**  
IEC 60900

| L mm | g   | No.        |
|------|-----|------------|
| 160  | 210 | 1500003164 |
| 200  | 300 | 1500003166 |

### Electrical multi insulation stripper

- 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



**1000 V**  
IEC 60900

| L mm | g   | No.        |
|------|-----|------------|
| 180  | 230 | 1500003167 |

### Voltage Detector E-Detector 90–1000 V

The non-contact voltage tester detects AC voltage in a range of 90–1000 V. When voltage is detected, a red LED lights up. In addition, a flashlight is attached to the voltage tester.



| Model                                 | g  | No.        |
|---------------------------------------|----|------------|
| Voltage Detector E-Detector 90–1000 V | 90 | 1500003374 |

### Electrical long nose pliers

- 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



**1000 V**  
IEC 60900

| L mm | g   | No.        |
|------|-----|------------|
| 200  | 200 | 1500003168 |

### Ergonomic electrical installation pliers

- 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



**1000 V**  
IEC 60900

| L mm | g   | No.        |
|------|-----|------------|
| 200  | 290 | 1500003169 |

RO DD60 cordless drill driver

The RO DD60 can be used as drill and screwdriver



KEY FEATURES

- Quick change of bit retainer and bits, for flexible working
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Precise working conditions thanks to integrated working light for illuminating the contact area
- Handy belt hook and bit holder can be fixed either on the right or left side

TECHNICAL DATA

|                           |               |
|---------------------------|---------------|
| Batteryvoltage:           | 18 V          |
| Max. torque:              | 34 Nm / 60 Nm |
| Weight with battery pack: | 1.9 kg        |
| Drill-Ø steel:            | 13 mm         |
| Drill-Ø soft wood:        | 38 mm         |



No. 1000001949

Set (No.1000001647) includes: RO DD60 drill driver, RO BP18/2 2.0 Ah battery (No. 1000001652), RO BC14/36 charger EU (No. 1000001654), quick change chuck, quick change bit holder, belt hook and bit case, ROCASE 4414 anthracite (No. 1000001949)

| Model  | No.        |
|--|------------|
| RO DD60 drill driver w/o battery and charger | 1000002035 |
| RO DD60 drill driver set EU                  | 1000001647 |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries  
<sup>2)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)

# General purpose tools

## Screw bits and drill bits

### ROBIT PRO

32 pieces



Set (No. 1500002453) includes: 30-bit: 1/4" x 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

#### KEY FEATURES

- Extensive bit set as perfect equipment for professional craftsmen
- High-quality material for heavy usage
- Adjustable belt-clip

| Model             | No.        |
|-------------------|------------|
| ROBIT PRO 32 pcs. | 1500002453 |

### ROBIT PRO torsion

15 pieces



Set (No. 1500002454) includes: 14-bit: 1/4" x 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

#### KEY FEATURES

- For extrem usage
- Suitable for an impact wrench
- Special alloy for maximum life time

| Model                             | No.        |
|-----------------------------------|------------|
| ROBIT PRO torsion bit set 15 pcs. | 1500002454 |

## Toolkit sets

For versatile applications in installation and maintenance



No. 1000002180



No. 1000002182



No. 1000002181

Set (No. 1000002180) includes: 1x thin type lever ratchet handle with 72-teeth gear, 2x extension bars 50mm and 100mm, 1x universal joint, 1x sliding T-head 3/8" x 1/4", 12x sockets: 4-5-5,5-6-7-8-9-10-11-12-13-14mm, in soft foam and ROBOX B2350 (No. 1500002641)

Set (No. 1000002181) includes: 1x 1-1/4" bit holder, 52x bits 1/4" x 25 mm: 13x star bit (torx) 5-6-7-8-9-10-15-20-25-27-30-35-40 mm, 6x hex bit (H) 2-2.5-3-4-5-6 mm, 3x 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", 4x torq bit 4-6-8-10 mm, 4x spanner bit 4-6-8-10 mm, in soft foam and ROBOX B2350 (No. 1000002641)

Set (No. 1000002182) includes: 10x bits 90mm: 2x Phillips: 1-2 mm, 2x Poz: 1-2 mm, 6x torx: 10-15-20-25-30-40 mm with color ring in soft foam and ROBOX B2350 (No. 1500002641)

| Model   | No.         |
|---|-------------|
| 17 pcs. socket set 1/4", ROBOX 5                  | 1000002180* |
| 53 pcs. special application bit set 1/4", ROBOX 5 | 1000002181* |
| 10 pcs. color ring bit set 1/4", ROBOX 5          | 1000002182* |

\* ROBOX system p. 336





### UNICUT HM

Carbide-tipped hole saws for cutting circular holes  
Ø 16 - 140 mm (5/8 - 5.1/2") without impact

#### Product profile

##### APPLICATION AREA

For stationary and free-hand cutting of circular holes. For iron, steel, V2A - V4A, cast, copper, bronze, aluminium, zinc, plastic, fibre-glass, chipboard and wood, light construction plaster boards without impact

##### KEY FEATURES

- For use even in high-speed hand drills and stand-mounted drilling machines due to anti-slip shaft
- Positive cutting angle for good chip removal
- Includes adaptor holder and replaceable HSS-Co5 centring drill up to 4 mm sheet thickness, cutting depth 10 mm



### UNICUT HM

Hole saw set



(Fig. similar)



(Fig. similar)

| mm | Inch | g   | No.   | mm | Inch   | g   | No.   |
|----|------|-----|-------|----|--------|-----|-------|
| 16 | 5/8" | 100 | 21316 | 34 |        | 180 | 21334 |
| 29 |      | 140 | 21329 | 35 | 1.3/8" | 190 | 21335 |

Set (No. 21300) includes: hard metal hole saws, drill paste 40 g and spare centering pin Ø 6 mm (No. 21394), in plastic case

| Model                                   | g   | No.   |
|---|-----|-------|
| UNICUT HM Set 22 - 25 - 28 - 32 - 35 mm | 950 | 21300 |
| Spare centering pin HSS 8 mm            |     | 21395 |

# General purpose tools

## Impact wrench

### RO ID400 cordless impact wrench

Enables the quick assembly and disassembly of screws and hexagon nuts. The profiles of pre-wall installations and sprinkler systems therefore no longer pose a challenge.



#### KEY FEATURES

- Unique brushless motor for quick work progress and highest efficiency for any application
- High torque accompanied by an exceptionally compact design
- Twelve speed/torque levels for a wide range of applications
- Handy belt hook, can be fixed either on the right or left side

#### TECHNICAL DATA

|                                 |               |
|---------------------------------|---------------|
| <b>Battery voltage:</b>         | 18 V          |
| <b>Weight with Batterypack:</b> | 1.9 kg        |
| <b>Max. torque:</b>             | 400 Nm        |
| <b>Max. no-load speed:</b>      | 0 - 2,150 rpm |
| <b>Maximum impact rate:</b>     | 4,250 rpm     |

#### High torque

Accompanied by an exceptionally compact design

#### Unique brushless motor

For quick work progress and highest efficiency for any application

#### Belt hook

Can be fixed either on the right or left side

#### Twelve speed / torque levels

For a wide range of applications

#### Bit holder

Can be fixed either on the right or left side

#### Maximum power

Intelligent battery management with charge indicator to control the status of charge



No. 1000001949

**Set (No.1000001648) includes:** RO ID400 impact wrench, RO BP18/2 2.0 Ah battery (No. 1000001652), RO BC14/36 charger EU (No. 1000001654), bit holder, belt hook, ROCASE 4414 anthracite (No. 1000001949)

| Model  | No.        |
|--|------------|
| RO ID400 impact wrench w/o battery and charger | 1000002036 |
| RO ID400 impact wrench set EU                  | 1000001648 |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries  
<sup>2)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)

### RO AG8000 cordless angle grinder

Smaller working steps such as the abrasive removal of hanger bolts or the cutting of a U-profile are handled quickly and easily. The slim design, as well as the rotating battery, enables work to be undertaken in cramped spaces and also simplifies working areas such as the disassembly area.



#### KEY FEATURES

- Slim design for prolonged comfort when working overhead or in areas with limited space
- Save time and be safe with the tool-free adjustable guard
- Detachable dust protection filter protects motor from coarse particles

#### TECHNICAL DATA

|                          |                           |
|--------------------------|---------------------------|
| <b>Battery voltage:</b>  | 18 V                      |
| <b>Weight without</b>    |                           |
| <b>Batterypack:</b>      | 1.7 kg                    |
| <b>Idle frequency:</b>   | 8,000 / min <sup>-1</sup> |
| <b>Grinding wheel Ø:</b> | 125 mm                    |
| <b>Spindle thread:</b>   | M14                       |



**Set (No. 1000001649) includes:** RO AG8000 angle grinder, RO BP18/4 4.0 Ah battery (No. 1000001653), RO BC14/36 charger EU (No. 1000001654), guard, quick-locking nut, side handle, dust filter, RO CASE 4414 anthracite (No. 1000001947)

| Model   | No.        |
|---|------------|
| RO AG8000 angle grinder w/o battery + charger | 1000002037 |
| RO AG8000 angle grinder set EU                | 1000001649 |



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<sup>2)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)

# General purpose tools

## Cutting discs

### Cutting disc assortment

For burr-free and quick cutting of stainless steel, steel, cast iron and stone

| Description                                 | 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 x 1 x 22) | 071533D    | ●                           | ●                   | ●          | ●●                             | ●                    | ●           | ●             | ●                              | ○    | ●●                 | ●●     | ●●             |
| Cutting disc INOX PROFI PLUS (125 x 1 x 22) | 071534D    | ●                           | ●                   | ●          | ●●                             | ●                    | ●           | ●             | ●                              | ○    | ●●                 | ●●     | ●●             |
| Cutting disc INOX FINE CUT (115 x 0.8 x 22) | 1500003464 | ●                           | ●                   | ●          | ●                              | ●●                   | ●●          | ●●            | ●●                             | ○    | ●                  | ●      | ●              |
| Cutting disc INOX FINE CUT (125 x 0.8 x 22) | 1500003465 | ●                           | ●                   | ●          | ●                              | ●●                   | ●●          | ●●            | ●●                             | ○    | ●                  | ●      | ●              |

●● = very well suited ● = well suited ○ = partially suited

### INOX PROFI PLUS

#### Grinding / cutting discs for stainless steel (1 mm)

For thin sheet metal (e.g. in body work, tank equipment and container construction), steel cable, thin-walled profiles and pipes made of stainless steel and NE metals, composite materials (GFK), high-temperature materials

- This very thin wheel enables a one-of-a-kind clean cut with a minimum of effort in a short amount of time
- Millimetre accurate use, vibration-free operation without thermal blue discolouration or burr formation (burr-free)



| Model                        | Dimensions mm | g   | No.       |
|------------------------------|---------------|-----|-----------|
| PROFI PLUS box 115 (10 pcs.) | 115 x 1 x 22  | 350 | 1 071533D |
| PROFI PLUS box 125 (10 pcs.) | 125 x 1 x 22  | 450 | 1 071534D |



Follow all manufacturer instructions



Don't rough down



Follow work safety measures



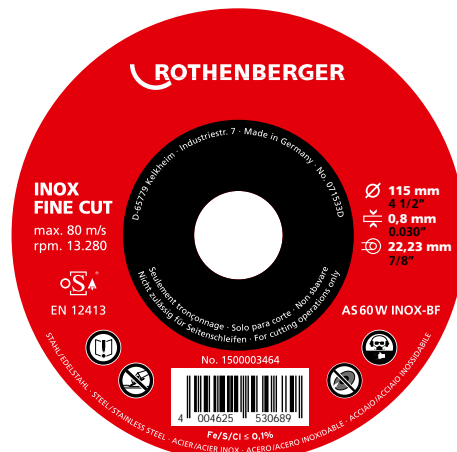
Do not use defective grinding/cutting discs

### INOX-FINE CUT

#### Cutting disc for stainless steel (0.8 mm)

For thin sheets, steel cables, thin-walled profiles and stainless steel tubes and non-ferrous metals, composite materials (GFK).

- Very high cutting speed ensures a soft and fast cut with minimum contact pressure
- Low flying sparks with extra fine and low-burr cutting pattern



| Model                   | Dimensions mm  | g   | No.        |
|-------------------------|----------------|-----|------------|
| INOX FINE CUT (10 pcs.) | 115 x 0,8 x 22 | 333 | 1500003464 |
| INOX FINE CUT (10 pcs.) | 125 x 0,8 x 22 | 390 | 1500003465 |



# General purpose tools

## Rotary hammer and chisel

### RO RH4000 cordless rotary hammer

The notion of compatibility improves the craftsmanship of the professional plumbers. With the help of the new cordless rotary hammer, slots can easily be drawn, tiling can be knocked into place and pipe clamps can be fastened. There are no working hindrances due to empty batteries, thanks to the ROTHENBERGER battery platform.



#### KEY FEATURES

- Combination hammer with 3 functions: hammer drilling, drilling and chiselling
- Variospeed (V) electronics for working at customised speeds to suit various application materials
- S-automatic safety clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly
- LED work light for optimum view of the drilling site
- Battery packs with capacity display for checking the charge status

#### Automatic safety clutch

Mechanical decoupling of the drive for safe working, in case the drill driver stops unexpectedly

#### SDS-plus

Bit retainer



#### Maximum power

Intelligent battery management with charge indicator to control the status of charge

#### Variospeed (V) electronics

For working at customised speeds to suit various application materials

#### LED light

Integrated working light to illuminate the contact area



No. 1000001949

**Set (No. 1000001650) includes:** RO RH4000 rotary hammer (No. 1000002038), RO BP18/4 4.0 Ah battery (No. 1000001653), RO BC14/36 charger EU (No. 1000001654), hammer chuck for tools with SDS-plus shank end, rubber-coated side handle drilling depth guide, ROCASE 4414 anthracite (No. 1000001948)

| Model   | No.               |
|---|-------------------|
| RO RH4000 rotary hammer w/o battery + charger | <b>1000002038</b> |
| RO RH4000 rotary hammer set EU                | <b>1000001650</b> |

### 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)



No. 1500002828

No. 1500002827

No. 1500002826

No. 1500002825

No. 1500002824

| Model                                 | Length | No.               |
|---------------------------------------|--------|-------------------|
| Tile chisel 80 mm SDS-plus 170 mm     | 170 mm | <b>1500002824</b> |
| Flat chisel SDS-plus 250 mm           | 250 mm | <b>1500002825</b> |
| Sharp chisel SDS-plus 250 mm          | 250 mm | <b>1500002826</b> |
| Hollow chisel 22 mm SDS-plus 250 mm   | 250 mm | <b>1500002827</b> |
| Tile chisel 40 mm SDS-plus 250 mm     | 250 mm | <b>1500002828</b> |
| Chisel set, 3 pcs. SDS-plus w/ ROBOX* |        | <b>1500002829</b> |

<sup>1)</sup> Complete terms and conditions at rothenberger.com/roservice

RO SERVICE+ only valid in participating countries

<sup>2)</sup> More information at cordless-alliance-system.com

# General purpose tools

## Drill bits and lamp

### SDS-plus hammer drill



| Model                 | Ø           | No.           |
|-----------------------|-------------|---------------|
| Hammer drill SDS-plus | 6 x 110 mm  | <b>111405</b> |
| Hammer drill SDS-plus | 8 x 110 mm  | <b>111411</b> |
| Hammer drill SDS-plus | 10 x 160 mm | <b>111419</b> |
| Hammer drill SDS-plus | 12 x 160 mm | <b>111424</b> |



| Model                 | Ø               | No.           |
|-----------------------|-----------------|---------------|
| Hammer drill SDS-plus | 18 x 450/410 mm | <b>111447</b> |
| Hammer drill SDS-plus | 22 x 450 mm     | <b>111452</b> |
| Hammer drill SDS-plus | 25 x 450 mm     | <b>111455</b> |

### RO FL180 cordless LED lamp

The RO FL180 is the perfect companion for plumbing technicians and heating engineers. Due to its size and various adjustment functions, the RO FL180 emits the perfect amount of light and facilitates the everyday work of professional tradesmen.



#### KEY FEATURES:

- Powerful LED inspection lamp for uniform, bright illumination of the working area
- Compact and handy for versatile use
- Lamp head can be turned and swivelled through 180° providing almost infinite positions for the lamp
- Swivelling hook for suspending the lamp

#### TECHNICAL DATA

|  |   |
|--|---|
| <b>Max. lumin. flux:</b>                       | 440 lm                                    |
| <b>Max. operation time per battery charge:</b> | 18 V / 2.0 Ah: 4.5h / 18 V / 4.0 Ah: 9.1h |
| <b>Weight without Battery pack:</b>            | 0.46 kg                                   |

#### Powerful LED inspection lamp

For uniform, bright illumination of the working area

#### Robust aluminum die-cast housing

For use on construction sites

#### 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



14

**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                                     | No.               |
|---|-------------------|
| RO FL180 LED lamp w/o battery and charger | <b>1000001734</b> |
| RO FL180 LED lamp set EU                  | <b>1000001651</b> |

### CAS battery packs and charger

Unlimited combinations: Now you can combine machines, battery packs and chargers of different manufacturer with each other without any problems. CAS uses the world's most powerful battery pack system in the industry - from Metabo.

With more than 30 years of battery pack expertise, Metabo is pioneer in the battery pack technology and in the topic of "cordless construction site".



2)

In comparison to the Li-Ion 4.0 Ah, the Li-HD 4.0 Ah is having less weight, a slimmer design, but still the same capacity.

#### Intelligent battery management

Permanent Electronic Single Cell Protection (ESCP) when charging, for particularly long life



No. 1000001652



No. 1000001653



No. 1000002549

High robustness due to outer rubber



No. 1000002548

Capacity control for a permanent control of the filling level

#### 66% faster charging

In comparison to the battery charger of the ROMAX 3000



100% compatibility for over 180 machines in the 18 V class!



| Model                                   | No.        |
|---|------------|
| RO BP18/2, 2.0 Ah 18 V Li-Power battery | 1000001652 |
| RO BP18/4, 4.0 Ah 18 V Li-Power battery | 1000001653 |
| RO BP18/4, 4.0 Ah 18 V Li-HD battery    | 1000002548 |
| RO BP18/8, 8.0 Ah 18 V Li-HD battery    | 1000002549 |
| RO BC14/36 battery charger, 230 V, EU   | 1000001654 |

<sup>1)</sup> Complete terms and conditions at [rothenberger.com/roservice](http://rothenberger.com/roservice)  
RO SERVICE+ only valid in participating countries

<sup>2)</sup> More information at [cordless-alliance-system.com](http://cordless-alliance-system.com)

# General purpose tools



## Hammers and chisels

### Fitter's hammer

Complies with **DIN 1041**, hickory wooden handle, head secured by sealed shaft

DIN  
-Norm





| Head weight  | Total weight  | No.    |
|---|--|--------|
| 300   | 470  | 322823 |

### Lump hammer

Complies with **DIN 6475**, hickory wooden handle, head secured by sealed shaft

DIN  
-Norm



| Head weight  | Total weight  | No.    |
|--|--|--------|
| 1,250  | 1,380  | 322922 |



### Chisel

Safety tempered impact head prevents splintering off the chisel head

- Silver lacquered tip
- Chrome-manganese-silicon-steel



No. 77050

| Model              | Length<br>mm | Shaft<br>mm | Cutting<br>width mm | without hand protection<br> | with hand protection<br> | No.   |
|--------------------|--------------|-------------|---------------------|---|---|-------|
| Mason chisel, flat | 300          | 16          | 22                  | 470   | 560   | 77050 |



### Parallel vice

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

- Non-breakable
- Protected, powerful spindle with trapezoidal thread
- Re-adjustable double-sided guide
- Anvil base for levelling and compressing work



| Jaw width<br>mm | Clamping width<br>mm | depth<br>mm | for pipes<br>Inch | for pipes<br>mm | kg   | No.            |
|-----------------|----------------------|-------------|-------------------|-----------------|------|----------------|
| 120             | 125                  | 65          | 3/8 - 1.1/2"      | 16 - 55         | 8.7  | <b>070705X</b> |
| 140             | 150                  | 80          | 3/4 - 2"          | 27 - 70         | 15.6 | <b>070735X</b> |

### Pipe vice

Foldable, with automatic closing hook, upper jaw and lower support jaw milled and hardened. Powerful smooth-running spindle. Durable epoxy-powder coated

- Reliable hold: Pipe support and movable upper jaw



| For pipes / inch              | for pipes / mm | kg   | No.          |
|-------------------------------|----------------|------|--------------|
| 1/8 - 2"                      | 10 - 60        | 3.7  | <b>70710</b> |
| Spare jaws (contains: 3 pcs.) |                | 0.2  | <b>70670</b> |
| 1/8 - 3"                      | 10 - 89        | 7.9  | <b>70712</b> |
| Spare jaws (contains: 3 pcs.) |                | 0.2  | <b>70672</b> |
| 1/8 - 4"                      | 10 - 114       | 11.7 | <b>70711</b> |
| Spare jaws (contains: 3 pcs.) |                | 0.2  | <b>70671</b> |

### Chain pipe vice

Tough, powerful design with V-shaped support, bending device, pipe support, wear-resistant 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

- V-shaped pipe supports with teeth and bridge prevent undesired bending during clamping
- Exchangeable jaws



| For pipes / Inch | for pipes / mm | kg  | No.          |
|------------------|----------------|-----|--------------|
| 1/8 - 2.1/2"     | 10 - 76        | 3.8 | <b>70713</b> |
| Spare jaw        |                | 0.7 | <b>70734</b> |
| Spare chain      |                | 0.5 | <b>70731</b> |
| 1/8 - 4"         | 10 - 114       | 6.2 | <b>70714</b> |
| Spare jaw        |                | 0.8 | <b>70721</b> |
| Spare chain      |                | 0.6 | <b>70732</b> |
| 1/8 - 6"         | 10 - 165       | 9.3 | <b>70715</b> |
| Spare jaw        |                | 0.9 | <b>70722</b> |
| Spare chain      |                | 1.3 | <b>70733</b> |

### ROBOY clamping workbench

For on-site repair and service work

- Portable, handy and practical workbench with the smallest dimensions
- Mountable on door frames or walls: Prevents floor damage and saves space
- Pressure plate is coated with rubber to protect against damage
- Spindle with trapezoidal thread for quick adjustment
- With height-adjustable support pipe for additional stability



Parallel vice (No. 070705X) and rotatable table not included

| Model | Dimensions / mm | kg   | No.          |
|-------|-----------------|------|--------------|
| ROBOY | 650 x 400       | 14.9 | <b>70700</b> |

# General purpose tools

## Workbenches

### Tripod uni workbench

#### With / without integrated chain vice

- 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)



No. 70752



No. 70740



No. 70751

### Working unit

#### With pipe vice 1/8" - 2"

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

| Model                                     | kg   | No.          |
|---|------|--------------|
| Tripod universal workbench w/ chain vice  | 16.0 | <b>70752</b> |
| Tripod universal workbench w/o chain vice | 15.3 | <b>70751</b> |
| Tool 1/8" - 2"                            | 21.0 | <b>70740</b> |

### Telescopic workbench

- Stable, collapsible steel tube frame with the smallest dimensions
- Portable, handy and practical
- With tough beech wood plate for an optimal work surface
- Steel edges all around: ideal for vice machining
- Individually removable supporting legs for working steps with ease



| Model                | Size mm        | kg   | No.            |
|----------------------|----------------|------|----------------|
| Telescopic workbench | 700 x 450 x 30 | 17.4 | <b>070699X</b> |

### Universal workbench

- Stable and tough, easy to transport: collapsible tubular frame
- Optimum work surface: work plate made of processed beech wood
- Model "Pipe-fitter" steel edges all around: ideal for vice machining



| Model       | Size mm           | kg | No.            |
|-------------|-------------------|----|----------------|
| Installer   | 1,200 x 550 x 835 | 30 | <b>070690X</b> |
| Pipe-fitter | 1,000 x 700 x 835 | 32 | <b>70696</b>   |
| Pipe-fitter | 1,200 x 750 x 835 | 38 | <b>70698</b>   |

# General purpose tools

## General aids and tool bags

### Hemp dispenser with roll



| Model            | No.          |
|------------------|--------------|
| Roll 40 g / 40 m | <b>70623</b> |

### All-purpose marker

Writes on tile and glass



### Carpenter pencil



| Model              | No.           |
|--------------------|---------------|
| All-purpose marker | <b>856911</b> |
| Carpenter pencil   | <b>856907</b> |

### Cutter knife



| Model                             | No.               |
|-----------------------------------|-------------------|
| Cutter knife w/ 4 blades, 18 mm   | <b>1500000087</b> |
| Blades for cutter knife (10 pcs.) | <b>1500001299</b> |

### Trendy tool bag

- Lots of storage room for all your tools

Volume:  
ca. 42 l



### Tool bag

- Offers a lot of pockets and tool holders with a waterproof plastic bottom

Volume:  
ca. 30 l



### Tool bag, small

- Offers a lot of pockets and tool holders with a waterproof plastic bottom

Volume:  
ca. 15 l



| Model                                | No.               |
|--------------------------------------|-------------------|
| Trendy tool bag (380 x 300 x 370 mm) | <b>402311</b>     |
| Tool bag (450 x 285 x 335 mm)        | <b>1500001320</b> |

| Model                                | No.               |
|--------------------------------------|-------------------|
| Tool bag, small (280 x 360 x 230 mm) | <b>1500002182</b> |

### Toolbox apprentice

- Lots of storage room for all your tools



| Model              | No.           |
|--------------------|---------------|
| Toolbox apprentice | <b>402312</b> |

### Trendy shoulder toolbox

- Very light, handy bag for the most important tools

Volume:  
ca. 11 l



### Tool bag universal

- Ideal for hand tools with straps and flaps inside the roll cover



| Model  | No.               |
|--|-------------------|
| Trendy shoulder toolbox (250 x 220 x 140 mm) | <b>402308</b>     |
| Tool bag universal (220 x 440 x 230 mm)      | <b>1500002230</b> |

# General purpose tools

## Tool bags

### Apprentice set, 50 pcs.

Tough installation toolbox completely equipped with all the tools the craftsman needs

- Extensive and practical tool assortment
- Case made of galvanized steel
- Dimension: 530 x 200 x 200 mm



Set (No. 19166) includes: water pump wrench type SP 10", corner pipe wrench Super S (1"), ALU-spirit level, anodized (500 mm), hacksaw frame (300 mm), 10x HSSE 4 PLUS saw blades, fitter's hammer (300 g), lump hammer (1,250 g), PUK-hacksaw (290 mm) + 12x saw blades, basin nut wrench, stone chisel flat (300 x 16 mm), Ratched key ROCLICK 19 mm, UNI-stepped key + ratchet, EUROLINE screwdriver set (Phillips), chassis punch (32 mm round), wooden ruler (2 m), carpenter pencil, TUBE CUTTER 35 (6-35 mm), MINICUT I PRO (3-16 mm), extension key, corner pipe wrench Super S (1.1/2"), cutter knife, ROGRIP F 10" 1K, installer toolbox, dimensions: 530 x 200 x 200 mm

| Model                   |   | No.   |
|-------------------------|---|-------|
| Apprentice set, 50 pcs. | 1 | 19166 |

### General purpose tool set, 57 pcs.

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-stepped key + ratchet, Uni-small saw PUK, 10x saw blade for PUK-saw metal, saw bow ROBO Super, 10x saw blades BI-METALL HSSE 4 Plus, Ratched key ROCLICK 19 mm, EUROLINE screwdriver set (2x PH, 4x Slot), 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 (0-42mm), SWVO adjustable wrench 8", tool bag (450 x 285 x 335 mm)

| Model                              | No.        |
|------------------------------------|------------|
| General purpose tools set, 57 pcs. | 1000001425 |

### General purpose tool set, 17 pcs.

Compact 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 x 360 x 230 mm)

| Model                              | No.        |
|------------------------------------|------------|
| General purpose tools set, 17 pcs. | 1000001745 |



### ROCASE case system

|  | ROCASE 4212   | ROCASE 4407   | ROCASE 4414   | ROCASE 6414   | ROCASE 6427   |
|--|---|---|---|---|---|
|  |  |  |  |  |  |
|  | No. 1300003334  | No. 1300005506  | No. 1300003541  | No. 1300003336  | No. 1300003337  |
| <b>Outer dimension:</b>                        | 390 x 190 x 120 mm  | 390 x 390 x 70 mm   | 390 x 390 x 140 mm  | 590 x 390 x 140 mm  | 590 x 390 x 270 mm  |
| <b>Inner dimension:</b>                        | 377 x 150 x 100 mm  | 349 x 356 x 51 mm   | 348 x 352 x 122 mm  | 548 x 352 x 122 mm  | 548 x 352 x 250 mm  |
| <b>Volume in l:</b>                            | 5.7 l   | 6.3 l   | 14.9 l  | 23.5 l  | 48.2 l  |
| <b>Weight:</b>                                 | 0.63 kg   | 1.2 kg  | 1.30 kg   | 1.89 kg   | 2.64 kg   |
| <b>Color:</b>                                  | red, anthracite   | red   | red, anthracite   | red   | red   |
| <b>Quantity of inlays (currently changed):</b> | 7   |   | 16  | 6   | 3   |



| Model  | No.        |
|--|------------|
| ROCASE 4212 red, without inlay 39 x 19 x 12 cm         | 1300003334 |
| ROCASE 4212 anthracite, without inlay, 39 x 19 x 12 cm | 1300003649 |
| ROCASE 4407 red, without inlay 39 x 39 x 7 cm          | 1300005506 |
| ROCASE 4414 red, without inlay 39 x 39 x 12 cm         | 1300003541 |
| ROCASE 4414 anthracite, without inlay, 39 x 39 x 14 cm | 1300003338 |
| ROCASE 6414 red, without inlay, 59 x 39 x 14 cm        | 1300003336 |
| ROCASE 6427 red, without inlay, 59 x 39 x 27 cm        | 1300003337 |

# General purpose tools

## Case system

### ROCASE shoulder belt

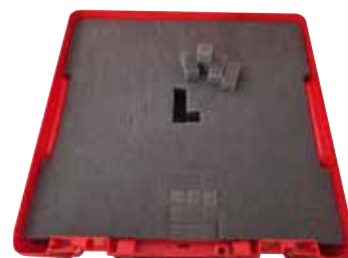
| Model                          | No.        |
|--------------------------------|------------|
| ROCASE shoulder belt with logo | 1500002239 |

### ROCASE 4212/4414 foam inlay

| Model                  | No.        |
|------------------------|------------|
| ROCASE 4212 foam inlay | 1500002449 |
| ROCASE 4414 foam inlay | 1500002450 |



No. 1500002239



No. 1500002450

### ROCASE 4414 with tray and ROBOX

Set includes: ROCASE 4414, 2x ROBOX tray, 12x ROBOX B2350 (No. 1500002641)

| Model                                     | No.        |
|---|------------|
| ROCASE 4414 red, with 2 trays and ROBOXES | 1000002108 |

### ROBOX set for ROCASE 4414

Set includes: 1x ROBOX tray, 6x ROBOX B2350 (No. 1500002641)

| Model                     | No.        |
|---------------------------|------------|
| ROBOX set for ROCASE 4414 | 1000002109 |

### ROBOX

| Model                          | No.        |
|--------------------------------|------------|
| ROBOX B2350, 192 x 114 x 50 mm | 1500002641 |
| ROBOX B2650, 364 x 114 x 50 mm | 1500002763 |



No. 1000002108



No. 1000002109



No. 1500002763



No. 1500002641

### ROCASE 4407 with ROBOX

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.

#### KEY FEATURES:

- Optimisation of the daily work because items are perfectly organised into the case

Set includes: ROCASE 4407, 6x ROBOX B2350 (No. 1500002641)

| Model                                  | kg  | No.        |
|--|-----|------------|
| ROCASE 4407 with ROBOX, 39 x 39 x 7 cm | 1.7 | 1000002625 |



### ROCASE trolley

The ROCASE trolley allows an easy transportation of the ROCASE system and other bulky loads. It is foldable really easily and can be stored in the car. To fix the load at the trolley there is a strap included.

#### KEY FEATURES

- Load capacity up to 120 kg
- Ideal to carry ROCASEs
- Big wheel diameter: easy to go over stairs
- Including a long strap with hooks to fix the load

| Model                            | kg  | No.        |
|----------------------------------|-----|------------|
| ROCASE trolley, 78 x 48.5 x 6 cm | 7.0 | 1000002628 |



Cases not included

### ROBUCKET

The ROBUCKET is a tool bucket for a versatile usage and can be fixed at the ROCASEs. To organise also small items in the bucket there is a ROBOX B2650 in the set included.

#### KEY FEATURES

- Handle allows comfortable transport
- ROBOX B2650 can be stored inside the bucket to stow accessories
- Liter display in the inside of the bucket
- Belt mount for shoulder straps

| Model   | kg  | No.        |
|---|-----|------------|
| ROBUCKET with 1x ROBOX B2650, 39.5 x 31.2 x 32.1 cm | 1.6 | 1000002627 |



### Hand tool kit 4414, 18 pcs.

Tool set in the ROCASE system with useful bags and tool holders.

#### KEY FEATURES

- Wide and practice-oriented tool range
- Dimensions: 390 x 390 x 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 adjustable wrench, EUROLINE screwdriver set, standard spirit level 430 mm, ROMATIC and ruler, shoulder belt with logo, in ROCASE completely

| Model                       | No.        |
|-----------------------------|------------|
| Hand tool kit 4414, 18 pcs. | 1000001955 |



| Item   | Page     | Item   | Page     | Item                                | Page     |
|--|----------|--|----------|-------------------------------------|----------|
| 3-piece pressure hose sets                       | 283      | Clutch jaws                                  | 238      | Flange adaptor clamping unit        | 260      |
| <b>A</b>   |          | Concrete / masonry fixing set                | 51       | Flanged riveted expander heads      | 86       |
| ACCESSORIES HD                                   |          | Copper rings 1.1/4"                          | 51       | Flaring and bending set             | 98       |
| 13/100 – 17/190 – 19/180                         | 251      | Copper tube bending springs                  | 63       | Flexible pipe welding attachments   | 167      |
| Adaptor magazines                                | 238      | Corner pipe wrench 45°                       | 307      | Four-blade cutter                   | 244      |
| AIRPROP  | 160      | Corner pipe wrench 45°, SUPER S              | 307      | Funnel auger                        | 242, 243 |
| ALLGAS 2000 PS 0.5 / 2 Basic                     | 169      | Cross-blade cutter, serrated                 | 242, 244 | <b>G</b>                            |          |
| ALLGAS 2000 PS 0.5 / 2 Compact                   | 167      | Cutter knife                                 | 333      | Gas test plug / adaptor             | 191      |
| ALLGAS 2000 set                                  | 166      | Cutter wheels                                | 26       | General purpose tool set, 13 pcs.   | 334      |
| ALLGAS 2000 welding tips                         | 167      | Cutting disc assortment                      | 326      | General purpose tool set, 57 pcs.   | 334      |
| ALLGAS Mobile Pro                                | 168      | Cylinder pressure reducer                    | 173      | GRATFIX HSS / UNIGRAT               | 34       |
| All-purpose marker                               | 333      | Cylinder transport trolley                   | 172      | Grease cutter                       | 244      |
| Analogue manifolds                               | 282      | <b>D</b>                                     |          | Grooved water pump pliers CL        | 305      |
| Apprentice set, 50 pcs.                          | 334      | Deburrer adaptor I / II                      | 33       | <b>H</b>                            |          |
| Automatic ratchet telescopic pipe cutter         | 17       | Double clamp short                           | 270      | Hand roll groover 1 - 12"           | 146      |
| <b>B</b>   |          | drain cleaning spirals                       | 240      | Hand tool kit 4414, 18 pcs.         | 337      |
| Ball head cutter                                 | 246      | Drop-head auger                              | 243      | Hand wire brushes                   | 175      |
| Basic clamping set 110 mm                        | 260      | Dual hoses A/O                               | 172      | Hard solder paste LP 5              | 178      |
| Basic clamping set P 160 SANILINE                | 262      | DURA LAZR TEC                                | 112      | Hard solder powder HKM              | 178      |
| Basic clamping set P 250 A                       | 264      | DuraFlex spiral and tool set                 | 249      | Hard solder rings S 2               | 178      |
| Basin nut pliers                                 | 315      | DX High Speed Plus universal drill bits      | 49       | Hard solders                        | 179      |
| Basin nut wrench                                 | 315      | <b>E</b>                                     |          | HD 13/100                           | 250      |
| Basin nut wrench set 3/8"                        | 315      | EASYGRIP                                     | 311      | HD 17/190                           | 250      |
| Battery pack system CAS, mains adaptor & charger | 215      | Electrical edge cutter                       | 320      | Heating plate                       | 260, 264 |
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| Abbreviation | Description  |
|--------------|--|
| A/S          | Acetylene / Oxygen   |
| ABS          | Acrylonitrile-Butadiene-Styrene  |
| ADR          | Accord européen relatif au transport international des marchandises dangereuses par route (french)     |
| AG           | Silver   |
| AL           | Aluminium  |
| AMS          | Acetylen-Maxigas-Oxygen  |
| AS           | Non-slip   |
| B            | Petrol, Gas  |
| BGV          | Trade Associations Occupational Health and Safety Regulations  |
| BSP          | British Standard Pipe, Standard Withworth Thread as per ISO 228-1, DIN 259                             |
| BSPP         | British Standard Pipe Parallel Thread, Cylindrical Pipe Thread as per ISO 7-1, EN 10226 (old DIN 2999) |
| BSPT         | British Standard Taper Pipe Thread   |
| BSR          | Band Saw Pipe  |
| BSW          | British Standard Parallel Screw: Thread of Whitworth Form B.S.W. B.S 84                                |
| BTU          | British Thermal Unit   |
| CE           | European Community   |
| CEN          | European Committee for Standardization   |
| CFC          | Chlorofluorocarbons  |
| CFM          | Cubic Feet per Minute  |
| CFT          | Constant Force Technology  |
| CL           | Channel Lock   |
| CNC          | Computerized Numerical Control   |
| CU           | Copper   |
| DK           | Pressure Class   |
| DN           | Diameter Nominal   |
| DVGW         | German Association for Gas & Water Applications  |
| DVS          | German Association for Welding   |
| EAN          | European Article Number  |
| EPT          | Enclosed Power Transmission  |
| FE           | Iron   |
| FS           | Guide Hose   |
| G            | Cylindrical External Thread, EN-ISO 228-1  |
| GW           | Gas / Water  |
| HCFC         | Hydrochlorofluorocarbons   |
| HD           | High Pressure  |
| HFC          | Hydrofluorocarbons   |
| HFCKW        | Virgin Hydro Chlorofluorocarbons   |
| HFKW         | Virgin Hydrofluorocarbons  |
| HM           | Carbide  |
| HRC          | Hardness Rockwell Cone   |
| HSS          | High Speed Steel   |
| HZ           | Hertz  |
| IP           | International Protection   |
| ISO          | International Organization for Standardization   |
| Kcal         | Kilocalorie  |
| KSO          | Capillary Gap Optimizer  |
| L            | Large  |
| LCD          | Liquid Crystal Display   |



# Legend

## Abbreviations

| Abbreviation | Description   |
|--------------|---|
| LED          | Light Emitting Diode  |
| MIM          | Metal Injection Molding   |
| MPa          | Megapascals   |
| MS           | Brass   |
| MSR/MLP      | Multi-layered Composite Pipe  |
| NM           | Newton Metre  |
| NPT          | National Pipe Thread (Standard US - ASME B1.20.1)                               |
| PB           | Polybutylene  |
| PD           | Power Driver  |
| PD-E         | Power Drive-Electronic  |
| PE           | Polyethylene  |
| PEX          | Cross-linked Polyethylene   |
| PL           | Plastic   |
| PP           | Polypropylene   |
| PS           | Professional  |
| PSI          | Pound-Force per Square Inch   |
| PVC          | Polyvinyl Chloride  |
| PVDF         | Polyvinylidene Fluoride   |
| RC           | RODIACUT  |
| SAE          | Society of Automotive Engineers   |
| SD-Card      | Secure Digital-memory Card  |
| SDR          | Standard Dimension Ratio  |
| SMK          | Spiral with Plastic Core  |
| SML          | Super Metal 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 Coating  |
| TPI          | Bits per Inch   |
| TRGI         | Technical Guidelines for Gas Installations                                      |
| TRWI         | Technical Guidelines for Water Installations                                    |
| TÜV          | Technical Inspection Association  |
| UKS          | Orbital Circular Saw  |
| UNC          | Unified Coarse Threads  |
| UNF          | Unified Fine Thread   |
| VA (Stahl)   | Stainless Steel, Corrosion Resistant Steel                                      |
| VCR          | Video Cassette Recording  |
| VDE          | Registered Association of the Electrical, Electronic and Information Technology |
| VPE          | Packaging Unit  |
| WG           | Hot Gas   |
| ZN           | Zinc  |
| ZPZ          | Bits per Inch   |
| ZVSHK        | German Central Association Plumbing, Heating and Air Conditioning               |















# Legend

## Pictograms















































### Power supply

|   |   |   |  |   |  |
|---|---|---|--|---|--|
|  AC 230 V                        |  AC 115 V          |  AC 110 V        |  Three-phase current 400 V              |  Battery-powered |  Cable length 5 m |
|  Battery + AC operation possible |  Battery operation |  Battery charger |  Cordless Alliance System <sup>1)</sup> |   |  |

### Miscellaneous

|  |  |   |   |   |   |
|--|--|---|---|---|---|
|  Can be used overhead |  Can be used in confined spaces |  Suitable for tight spaces |  Basic soft soldering up to 450 °C |  Hot brazing 450 ° - 1100 °C |  Max autogen welding 1100 °C |
|  Fast cut             |  No deformation from use        |  Dry drilling              |  Wet drilling                      |  Up to 50% time-saving       |  Portable operation          |
|  360° rotatable       |  Fine adjustment of the flame   |   |   |   |   |

### Product features

|   |  |  |   |   |   |
|---|--|--|---|---|---|
|  Ergonomic design    |  Meets DIN standards      |  VDE approved                     |  Propane control                   |  Oxygen control                        |  Acetylene control                       |
|  Shock absorption    |  On / off switch          |  LED display                      |  Sturdy casing                     |  Extension of hose possible            |  Piezo ignition                          |
|  Economy valve       |  Pressure hose ball valve |  Inspection window                |  Pressure hose length              |  Emergency stop switch                 |  Lock button                             |
|  Bayonet coupling    |  Push lock                |  Thread lock                      |  Pressure gauge display adjustable |  Pressure gauge class 1 - 6            |  Pressure gauge size                     |
|  Filling supports    |  Counter display          |  Balance point in handle          |  Cable length                      |  Measuring accuracy up to g            |  Scale range max. kg                     |
|  Transport case      |  Heed safety warning      |  Heed industrial safety           |  Touchscreen                       |  With USB connection                   |  With video function                     |
|  With photo function |  Memory card              |  WiFi                             |  ROCASE Case system                |  DURA LAZR TEC Laser hardening process |  5-Year-EXCHANGE GUARANTEE <sup>2)</sup> |
|  eTOOL (NFC tag)     |  ROBOX Sorting system     |  Product apps for Android and iOS |  Eco-friendly refrigerant          |   |   |

### ROTHENBERGER Enclosed Power Transmission

The **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



### ROTHENBERGER Titannitrid coating

The golden **TiN Coating** (**Titannitrid-coating**) of the expander head offers the following technical benefits:

**High durability 2,300 HV:**

Protection against abrasive wear

**Lower friction value compared to steel:**

Less effort

**Good chemical resistance:**

Good protection against corrosion

**Universal wear resistance:**

Long-lasting



### ROTHENBERGER Constant Force Technology

The **CFT** (**Constant Force Technology**) guarantees a constant axial pressing force over the entire service interval. A very important requirement for the production of sealed press connections CFT guarantees:

**ROMAX Compact TT**

19 kN for 40,000 press cycles

**ROMAX AC ECO**

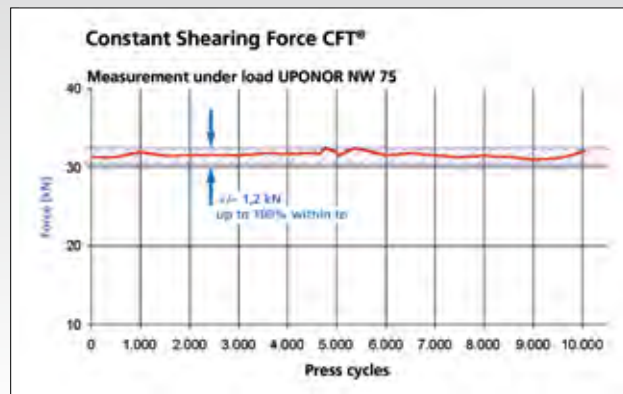
32 kN for 10,000 press cycles

**ROMAX 4000**

32 kN for 40,000 press cycles

**ROMAX 3000 AC**

32 kN for 20,000 press cycles



### ROTHENBERGER DURAMAG Technology

The **DURAMAG Technology** (**High Tec Magnesium Body**) offers the following benefits:

- Improved performance
- Higher stability with considerably lower weight

DURA = Durable MAG = Magnesium



# General conditions for the sale of goods

## General conditions for the sale of goods

Individually agreed sales and delivery terms supersede these GTCs in case of conflicts. For deliveries within Germany, please also note the Terms of Delivery and Payment set out on page 351.

### § 1 Scope

1. These General Terms and Conditions of Sale apply to all business relations of ROTHENBERGER Werkzeuge GmbH, Industriestraße 7, 65779 Kelkheim ("We" or "Us") with our customers ("Buyer" or "Purchaser"). The General Terms and Conditions of Sale (GTCs) shall only apply if the Buyer is a company, an entrepreneur, a legal person under public law or federal special funds (B2B business). We generally do not directly supply consumers (B2C business).

2. The General Terms and Conditions of Sale apply, in particular, to contracts on the sale and/or delivery of movable items ("Goods") without consideration given to whether or not we manufacture the Goods or purchase these from suppliers. Unless otherwise agreed, the GTCs in the version valid at the time of the Buyer's order or in any case in the version last notified to him in text form shall also apply as a framework agreement for similar future contracts. There is no requirement for us to refer to them again in each individual case.

3. Our GTCs apply exclusively. General terms and conditions of sale of the Buyer to the contrary or those that vary from our conditions, or supplementary conditions, shall only become an integral part of the contract if and insofar as we have expressly consented to the validity of such conditions. This approval requirement shall apply in any case, for instance including if the we unreservedly deliver Goods to the Buyer although we are aware of the Buyer's general terms and conditions of business.

4. Individual agreements entered into with the Buyer in individual cases (including subsidiary agreements, supplementary information and amendments) shall have preference over these GTCs. A written contract, or our written confirmation, shall be authoritative in respect of the content of such agreements, subject to proof to the contrary.

### § 2 Conclusion of contract

1. All offers are subject to change without notice. Catalogue and leaflet details are only approximately authoritative. The right to make constructive amendments is reserved. Technical documentation (e.g. drawings, plans, calculations and references to DIN standards) are not binding for us unless agreed otherwise.

2. The Buyer shall be bound by its order for 4 weeks. The contract of purchase shall be deemed entered into if the order has been accepted in writing within this period or the delivery has been performed.

3. Supplementary information, amendments and subsidiary agreements are subject to written confirmation by us.

### § 3 Prices; terms and conditions of payment

1. Unless agreed otherwise, the prices apply EXW (INCOTERMS 2020), in relation to our respective stated location, without packaging, freight, postage, customs duties, surcharges and insurance etc., plus turnover tax. These costs shall be charged separately.

2. In respect of orders that do not exceed a net order value of € 250, we reserve the right to charge a minimum quantity surcharge of 10% of the order value, at the least, however, € 15.

3. For orders that are shipped to an address that differs from the orderer's address (so-called drop shipment), we charge a surcharge of 5% of the net order value.

4. Where advance payment is not agreed upon, payment is to be transferred to one of our stated accounts within 30 days form the invoice date and without deductions. The day of crediting on our account is authoritative in this respect. No cash discount for fast payment is granted.

5. In the event of default in payment on the part of the Buyer, we shall at least be entitled to the statutory default interest. This does not affect additional claims for default, for example against merchants in respect of the commercial interest after the due date.

6. Apart from cases of an explicit fixed price agreement, the parties undertake, at the request of a party, to agree, based

on good faith principles, on an appropriate price correction if, in the case of a contract with term of at least 12 months, at least four months after entering into the contract order-related costs increase or drop for us, in a manner that is verifiable and significant (more than 5%) for reasons that are not our responsibility, e.g. as a result of increased raw material prices or energy costs.

7. In the case of default in payment on the part of the Buyer or in the case of reasonable doubt about the Buyer's creditworthiness (including facts that already applied at the time of entering into the contract) and which we were not aware of (or which we should have been aware of), we shall be entitled, prior to further performing the contract, to request advance payment for outstanding services or request the provision of security. Following the lapse in vain of a reasonable additional period for providing such securities, we shall be entitled (irrespective of further statutory rights) to withdraw from the contract.

8. Where the Buyer has authorised us to use SEPA direct debiting, such a direct transfer order collection shall normally be announced in advance in conjunction with the invoicing at the latest 1 (one) calendar day prior to the due date of the direct debit (pre-notification).

### § 4 Setting off, right of retention

The Buyer may only have the right to offset if its counterclaims have become res judicata, are not disputed or have been recognised by us. The Buyer shall only be entitled to exercise a right of retention insofar as its counterclaim is based on the same contractual relationship.

### § 5 Scope of delivery, variation from the order, procurement risk

1. Our written confirmation of order is authoritative in respect of the scope of delivery. Partial deliveries are permitted and shall be noted on the delivery note.

2. Where special tools or parts are ordered, and production based on a specific quantity is not economically possible, we shall be entitled to increase or decrease the order quantity in a manner that is customary in trade by up to 10%, at least however by two items. The actual delivery quantity shall be charged.

3. Where products can only be delivered in a certain packaging unit, we reserve the right to round up to the amount for the next higher quantity of packaging unit or impose a surcharge in the sum of 10%.

4. We do not accept any procurement risk for the Goods to be delivered.

5. The cost of dead freight that is the responsibility of the Buyer or its shipping agent shall be borne by the Buyer.

### § 6 Delivery and performance time

1. Binding delivery times must be expressly agreed upon as such in writing. Other delivery time details that are not expressly agreed upon as binding are non-binding or approximate delivery time details, and we shall endeavour to honour these.

2. If, in exceptional cases, binding delivery periods have been agreed, they run from the date on which we confirm an order but not, however, before all order details, including the delivery, have been clarified and all the preconditions to be met by the Buyer have been met. Where the Buyer requests amendments after placing an order, and we consent to the amendment, a new delivery period shall start to run.

3. The day of notification of the readiness for despatch shall apply as the delivery day. Deliveries prior to expiry of the delivery time are permitted.

4. If events of so-called force majeure occur about which we furnish information in each case without delay, the delivery period shall be extended by the duration of the hindrance. Force majeure is equated with industrial disputes, official intervention, energy and raw material shortages, operational hindrance

es that are not our responsibility such as those caused by fire, water and machine damage and all other hindrances which, in the case of an objective approach, have not been culpably brought about by us. If agreement is reached such that a delivery date, or a delivery period, has binding force and if such a date or period is exceeded by more than two months as a result of events of the aforementioned type, the Buyer shall be entitled to withdraw from the contract in respect of the part that has not yet been performed.

5. In the case of so-called call-off orders, we may request a binding classification two weeks after confirmation of order. If the Buyer fails to honour this request within three weeks, or if the Buyer defaults in acceptance, we shall be entitled to set an additional period of two weeks and once such a period has lapsed withdraw from the contract and claim for damages. Where not agreed to the contrary, as a matter of principle, deliveries ordered by way of a call-off are to be accepted within six months following confirmation of order.

6. Insofar as we are responsible for the failure to meet delivery dates that have been assured with binding force in exceptional cases, the Buyer shall be entitled to compensation of the proven damage sustained by the Buyer as a result of the default but, however, in terms of amount limited at most to 0.5% of the Goods value that is in default for each full week of the default and at most shall be entitled to 5% of the Goods value affected by the default. Compensation for further damage, in particular the loss of expected profit and other indirect damage, is excluded in accordance with Paragraph 9 of these GTCs.

### § 7 Shipping and passing of risk

1. Unless agreed otherwise, all deliveries apply ex warehouse or ex works (see Paragraph 3 of these GTCs), which is also deemed the place of performance for potential subsequent performance. As a result, the Buyer is responsible for transport/shipping and the risk of accidental loss or accidental deterioration shall pass to the Buyer upon handover to the carrier/ the person otherwise determined in respect of performing the consignment. This also applies to drop shipments.

2. Similarly, the risk of accidental loss/accidental deterioration shall pass to the Buyer upon dispatch if we send the Goods to the Buyer at the Buyer's request. We reserve the right to select the transport route and the means of transport. We are entitled, but do not undertake, to insure deliveries in the name and on account of the Buyer.

3. The handover or acceptance shall continue to apply if the Buyer defaults in acceptance. In addition, in the event of default in acceptance we shall be entitled, but do not undertake, to store the Goods at the Buyer's cost and risk.

4. In the event of a delivery stop as a result of default in payment or acceptance, or for another reason that is the Buyer's responsibility, the risk of the accidental loss/accidental deterioration shall pass to the Buyer at the latest upon notification of the readiness to dispatch.

5. Goods for which notice of readiness for dispatch has been given must be called-off without delay. Otherwise, we shall be entitled to send the Goods at our discretion or store them at the Buyer's cost and risk.

6. If acceptance is proposed or agreed, this is to be performed swiftly, following notification of the readiness for dispatch, at our respective, stated, supply plant. If acceptance is not performed irrespective of the setting of a reasonable additional period, or the Buyer waives acceptance, we shall be entitled to send the Goods without acceptance or store them at the Buyer's cost and risk.

### § 8 Warranty

1. The warranty period is 12 months from the passing of risk. By contrast, the statutory period applies with respect to claims resulting from the German Product Liability Act or claims attributable to the loss of life, physical injury or detrimental effects on health. Wear-and-tear parts are excluded from the guarantee. We shall not provide any quality guarantees where an individual agreement has not been entered into. Performing work under warranty does not constitute



# General conditions for the sale of goods

recognition or acceptance of a defect.

2. Returns that are not based on a faulty object of sale are not permitted. In the event that a return is permitted in an exceptional case as a result of an express, written agreement, a credit note shall only be issued by way of deducting at least 25% of the purchase price. All return delivery costs shall be borne by the Buyer.

3. In respect of the Buyer's warranty claims, it is required that the Buyer has honoured its obligations to inspect and provide notification of defects. We are to be notified in writing of obvious defects within eight calendar days from delivery and notified of hidden defects within the same period from the time at which they are identified. If the Buyer fails to properly inspect and/or provide notification of defects, our liability for the defect for which notification has not been provided, or has not been provided in good time, shall be excluded.

4. If the delivered item is faulty, we may choose whether to provide subsequent performance by way of rectifying the defect (subsequent improvement) or by delivering a fault-free item (replacement). Subsequent performance shall neither entail the dismantling of the faulty item nor new installation if we did not originally undertake to provide installation. The Buyer is to give us the necessary time and opportunity to provide the due subsequent performance, in particular handover the goods for which notification of defects has been provided for inspection purposes. In the event of replacement, the Buyer is to return the faulty item to us.

5. If it becomes clear following an inspection that an item was not faulty, we may request compensation from the Buyer for the costs arising from the unjustified complaint (in particular inspection and transport costs) unless the Buyer could not recognize that the item was not faulty.

6. The Buyer's claims for compensation for loss suffered or reimbursement of expenses incurred in vain shall only apply, including in the case of defects, in accordance with Paragraph 9 and in other respects are excluded.

7. The above limitation periods of the sales law also apply to the Buyer's contractual and non-contractual claims for damages that are based on faulty Goods unless application of the normal statutory limitation would, in an individual case, result in a shorter limitation period.

## § 9 Limitation of liability

1. Claims for compensation for loss suffered, irrespective of on which legal grounds these are based, are excluded unless we are to be accused of intent or gross negligence or of violating a key contractual obligation (see sub-section 2) more than just insignificantly. Where we are liable for simple negligence, the liability shall be limited to compensation of foreseeable, typical and direct damage. Compensation for indirect or collateral damage such as the loss of expected profit, loss of production and use and pecuniary damage regarding third party claims is excluded.

2. Key contractual obligations are obligations a) that protect the Buyer's key contractual legal positions that are to be granted to him in accordance with the content and purpose of the contract and b) such contractual obligations, the honouring of which is required to properly execute the contract and compliance with which the Buyer can normally expect.

3. The aforementioned liability limitations also apply in the case of violations of obligations by, or in favour of, persons whose culpability is our responsibility in accordance with legal requirements.

They do not apply if we have fraudulently concealed a defect, in the case of guaranteed provided in an exceptional case, to the Buyer's claims in accordance with the German Product Liability Act or as a result of loss of life, physical injury or detrimental effects on health.

## § 10 Rental containers and rental pallets

1. If we make the ordered Goods available to the Buyer on Euro pallets or other re-usable packaging, these are to be replaced by the Buyer within 7 calendar days with replacement items of the same type and value, or are to be returned to us. If this does not occur, we shall be entitled to invoice the Buyer for the used pallets/packaging at the replacement price.

2. In the case of gas deliveries, rental containers or pallets shall only be handed over to the Buyer on a rental basis for the transport, storage and for the Buyer's own use of the acquired gasses. Any other use, or forwarding to third parties, is prohibited. After emptying, the Buyer is to return the containers and pallets to us without delay at its own cost.

3. The Buyer shall be liable for any damage, pollution or loss of rental containers or pallets, and in such cases undertakes to inform us without delay.

4. In respect of surrendered rental containers that are not contrasted with appropriate gas containers for longer than three months, we may request as security an amount in the sum of the respective list price of similar, new, containers. Such an amount falls due for payment immediately. As soon as the Buyer returns a container for which security has been provided, the security shall be returned to the Buyer without interest and less potential repair costs. If the Buyer fails to return the containers, the security amount shall be set off against the compensation for damages payable by the Buyer. Potential residual content in returned containers shall not be remunerated.

## § 11 Reservation of title

1. We reserve ownership to the supplied Goods up until all existing claims resulting from the business connection (current account reservation) against the Buyer have been settled in full. Processing/finishing or conversion shall apply at all times in our name and by our order for us, however without any obligation for us, and without loss of our ownership.

2. The parties agree that the reservation of title also applies as extended reservation of title. The Buyer is entitled to sell the Goods during the course of normal business activities. Other disposal is prohibited, in particular an agreement on assignment prohibition with customers is prohibited that could result in the loss of our ownership.

3. The Buyer assigns to us at this point in time any claims to which the Buyer is entitled resulting from the use of the reserved Goods. If the Goods are sold with external items, or used as a substance, the assignment only applies to the revenue part that corresponds to the joint ownership part.

4. The entitlement to resell the object of sale shall become inapplicable if the Buyer discontinues its payment or defaults in payment. In such cases, we shall be entitled to disclose the assignment and collect the claim. The Buyer is to notify us without delay if an application is filed for the institution of insolvency proceedings regarding its assets.

5. The Buyer is only entitled to collect assigned claims during the ordinary course of business activities. The Buyer is to provide notification of third party access to the reserved goods without delay, and carry the cost of potential intervention.

The Buyer is to insure the reserved goods at replacement value and at its own cost, in particular against theft, water, breakage, fire and other damage. The Buyer is to treat the reserved goods with due care, in particular comply with the proposed maintenance and use notices.

6. We undertake at the Buyer's request to release securities insofar as the realisable value of the security exceeds the claims that are to be secured by more than 10%. We are free to choose the securities that are to be released.

7. In the event of failure to pay the due purchase price irrespective of a reasonable additional period or if this can be dispensed with, we shall be entitled, in accordance with the statutory requirements, to withdraw from the contract and/or demand return of the Goods as a result of the reservation of title. The demand for the return of the Goods does not simultaneously contain a statement of withdrawal. Moreover, we are entitled to merely demand the return of the Goods and reserve the right to withdraw.

8. For the duration of the reservation of title, in the event of the occurrence of damage we shall be entitled to all rights resulting from insurance policies entered into by the Buyer. In the absence of agreements to the contrary, benefits resulting from the comprehensive insurance are to be used in full for the repair of the delivery item. If a repair is waived following our approval in the case of severe damage, we shall use the insurance benefit to repay the purchase price and the cost of ancillary performance.

## § 12 Resale and export restrictions

1. The Buyer undertakes, in the case of an intended resale of the Goods, to comply with the statutory export restrictions and other applicable provisions, in particular national and international trading restrictions, boycotts and UN sanctions.

2. If the Buyer violates its obligations resulting from sub-section 1, and if this results in damage or if a fine or an administrative fine is imposed against us, the Buyer shall insofar indemnify us.

## § 13 Applicable law and place of jurisdiction

1. The law of the Federal Republic of Germany applies to these General Terms and Conditions of Sale and the legal relations between us and the Buyer, by way of exclusion of international uniform law, in particular the UN Sales Law.

2. The place of business stated in sub-section 1 is deemed the exclusive, including the international, place of jurisdiction for all disputes resulting directly or indirectly from the contractual relationship. However, in all cases we are also entitled to bring legal action at the place of performance of the delivery obligation in accordance with these General Terms and Conditions of Sale or at the Buyer's general place of jurisdiction. This does not affect prior-ranking statutory requirements, in particular in respect of exclusive places of jurisdiction.

## § 14 Severability clause

In the event that individual provisions of these General Terms and Conditions of Sale are or become invalid, this shall not affect the validity of the other provisions. The parties undertake to replace the invalid provision with a legally valid regulation that comes closest to the economic objective of the invalid provision.

Date 01/2022

## Additional terms of delivery and payment for Germany

The following terms apply in addition to the general conditions for the sale of goods (pages 360–361) for all deliveries within Germany:

### Extra charges:

|                        |   |
|------------------------|---|
| <b>Hazardous goods</b> | € 9.50 extra per delivery for hazardous goods<br>Example: no. 035510-A.   |
| <b>Solder material</b> | The prices for solder material depend heavily on the current prices of silver and copper. We reserve the right to charge extra due to increased raw-material prices; please ask for the current prices. |
| <b>Drop shipment</b>   | 5.00% surcharge on net order value  |

### Shipping costs flat rates within Germany:

Shipping is carried out by us via carriers of our choice. We charge the following flat rates for this:

| Goods value    | Surcharge             | Flat rates   |
|----------------|-----------------------|--------------|
| Up to € 250.00 | 10%, at least € 15.00 | net: € 12.00 |
| Up to € 399.99 | –                     | net: € 12.00 |
| As of € 400.00 | –                     | net: free    |

### Payment of deliveries within Germany:

30 days net from invoice date (no discount is granted).

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## Imprint

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# ROTHENBERGER Worldwide

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