ROTHENBERGER
pipetool technologies at work



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

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**[1] batteries to operate more than 280 compatible machines.



CAS CORDLESS ALLIANCE SYSTEM

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.[2]



[1] More information at cordless-alliance-system.com
[2] Complete terms and conditions at 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**, by email at **info@rothenberger.com**, by phone on our customer hotline and on our technical customer service hotline.

Visit us on Facebook, Instagram and YouTube!



		Page	
Installation	Cutting	8	1
	RODIA Diamond Core Drilling	36	2
	Bending	54	3
	Expanding, Extracting, Flaring	78	4
	Pressing	100	5
	Threading & Grooving	124	6
	Soldering & Welding	148	7
Service & Maintenance	Testing & Leak Detection	182	8
	Freezing	194	9
	Inspection & Locating	202	10
	Flushing & Pipe Cleaning	216	11
	ROWELD Plastic Pipe Welding	252	12
	Refrigeration & Air-Conditioning Technology	274	13
	General-Purpose Tools	296	14
	Index – Alphabetical / Numeric, Legend – Abbreviations / Pictograms	338	15



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



Cutting

System overview 10 - 13

Cutting metal, manual

- Tube cutter for copper and steel 14 - 18
- Tube cutter for stainless steel (INOX) and steel 18 - 20
- Cutting wheels and spare parts 21

Cutting plastic / MLP, manual

- Plastic pipe shears 22 - 24
- Tube cutter for plastic 25 - 27
- Tube cutter for MLP 28

Sawing, manual

- Hand saws and saw blades 29

Sawing, electric

Cordless combi-pipe saw 30 - 31

Deburring, chamfering and calibration

- Universal internal and external deburrer 33
- Deburrer for metal 34
- Chamfering unit for plastic 35

System overview

Pipe cutters for metal, plastic, MLP

	TC 35 DURAMAG	TC 35 DURAMAG MLP	TC 35 PRO INOX DURAMAG	TC 42 PRO
				
Working range:	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")
Dimensions:	150 x 60 x 40 mm	150 x 60 x 40 mm	150 x 60 x 40 mm	160 x 60 x 40 mm
Weight:	255 g	255 g	255 g	550 g
Extras:	Internal pipe deburrer, spare cutter wheel	Internal pipe deburrer, spare cutter wheel	Internal pipe deburrer, spare cutter wheel	Internal pipe deburrer, spare cutter wheel
Suitable for:	Cu, brass, Al, thin-walled steel pipes	PE-,PP-, PVDF-, PVC, plastic-coated pipes	Stainless steel	Cu, brass, Al, thin-walled steel pipes
Page	14 - 15	28	14 - 15	14 - 15

	TC 42 XL	TC 42 PRO MLP	TC 42 PRO PVC	TC 42 PRO INOX	TC CSST
					
Working range:	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")
Dimensions:	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
Weight:	430 g	550 g	550 g	550 g	430 g
Extras:	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
Suitable for:	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
Page	15	28	28	19	19

	MINICUT I PRO	MINICUT II PRO	MINICUT 2000 30 PRO	MINI MAX 50	TUBE CUTTER 30 PRO
					
Working range:	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")
Dimensions:	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
Weight:	110 g	125 g	140 g	270 g	305 g
Extras:	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
Suitable for:	Cu, brass, Al, thin-walled steel pipes	Cu, brass, Al, thin-walled steel pipes	Cu, brass, Al, thin-walled steel pipes	Cu, brass, Al, thin-walled steel pipes	Cu, brass, Al, thin-walled steel pipes
Page	16	16	16	16	17

Pipe cutters for metal

	TUBE CUTTER 50	TUBE CUTTER 30 PRO INOX	Automatic pipe cutter size 1	Automatic pipe cutter size 2	Chain pipe cutter
					
Working range:	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")
Dimensions:	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
Weight:	520 g	305 g	755 g	755 g	575 g
Extras:	Internal pipe deburrer, spare cutter wheel	Internal pipe deburrer, spare cutter wheel	Internal pipe deburrer, spare cutter wheel	Internal pipe deburrer	–
Suitable for:	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
Page	**17**	**18**	**17**	**17**	**17**

	ROSLICE 12 mm	ROSLICE 15 mm	ROSLICE 18 mm	ROSLICE 22 mm	TUBE CUTTER INOX
					
Working range:	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")
Dimensions:	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
Weight:	230 g	240 g	250 g	260 g	780 g
Extras:	–	–	–	–	–
Suitable for:	Cu	Cu	Cu	Cu	Stainless steel
Page	**18**	**18**	**18**	**18**	**19**

	ENORM 4"	SUPER 1.1/4"	SUPER 2"	SUPER 1.1/4" INOX	SUPER 2" INOX
					
Working range:	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")
Dimensions:	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
Weight:	7,105 g	1,040 g	2,155 g	1,040 g	2,155 g
Extras:	–	–	–	–	–
Suitable for:	Steel	Steel	Steel	Stainless steel	Stainless steel
Page	**20**	**20**	**20**	**20**	**20**

System overview

Plastic shears

	ROCUT TC 26	ROCUT TC 32	ROCUT PS 35	ROCUT PS 26/42 S
				
Working range:	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”)
Dimensions:	190 x 80 x 30 mm	210 x 60 x 30 mm	215 x 195 x 40 mm	290 x 240 x 40 mm
Weight:	370 g	220 g	740 g	950 g
Suitable for:	PP, PE, PEX, PB, PVDF, MLP	PP, PE, PEX, PB, PVDF, MLP	PP, PE, PEX, PB, PVDF, MLP	PP, PE, PEX, PB, PVDF, MLP
Page	**22, 24**	**22, 24**	**22, 24**	**22, 24**

	ROCUT TC 42	ROCUT TC 42 Twin Cut	ROCUT TC 50	ROCUT TC 63	ROCUT TC 75
					
Working range:	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”)
Dimensions:	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
Weight:	447 g	550 g	600 g	700 g	1,740 g
Suitable for:	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
Page	**22, 24**	**23**	**22, 24**	**22, 24**	**22, 24**

Cutting

	ROCUT 110	ROCUT 160
		
Suited for:	PE, PP, PVC, PEX, PVDF, PB**	PE, PP, PVC, PEX, PVDF, PB**
Outer pipe diameter:	Ø 32 - 110 mm	Ø 110 - 160 mm
Wall thickness:	Up to max. 16 mm*	Up to max. 16 mm*
Operation mode:	Manual	Manual
Function:	Cutting, chamfering	Cutting, chamfering
Page	**25 - 26**	**25 - 26**

* not for all materials, dependant on cutting tool
** dependant on cutting tool

Plastic pipe cutters

	TC 67 PL	TC 125 PL	TC 168 PL	ROCUT Plastic Pro	ROCUT Plastic Pro	ROCUT Plastic Pro
						
Working range:	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")	15/22 mm	32/40 mm	40/50 mm
Dimensions:	230 x 110 x 40 mm	360 x 180 x 50 mm	390 x 220 x 50 mm			
Weight:	700 g	1,600 g	1,700 g	340 g	540 g	540 g
Extras:	Internal pipe deburrer, spare cutter wheel	Internal pipe deburrer	Internal pipe deburrer	–	–	–
Suitable for:	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	PP, PE, PVC	PP, PE, PVC	PP, PE, PVC
Page	27	27	27	32	32	32

Pipe saws

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

[1] More information at cordless-alliance-system.com

1

TUBE CUTTER 35 / 42 Pro

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

DURAMAG
HI-Tec magnesium body

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



For copper and aluminium



TC 35 DURAMAG (No. 70027)
TC 42 PRO (No. 70029)

For MLP pipes



TC 35 DURAMAG MLP (No. 70108)
TC 42 PRO MLP (No. 70109)

For INOX (stainless steel) pipes



TC 35 INOX DURAMAG (No. 70055)
TC 42 PRO INOX (No. 70070)

For refrigeration technology



ROTRAC 28 PLUS Chrome
(No. 1000000046)

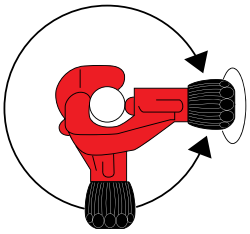
TUBE CUTTER 35 DURAMAG counter display

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

DURAMAG
HI-Tec magnesium body

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 5	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

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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	70010
ROTRAC 42	6 - 42	1/4 - 1.5/8"	255	70011
ROTRAC 28 PLUS chrome, limited edition			220	1000000046
Spare axle			5	70080
Spare cutter wheel INOX			2	070007X
Spare cutter wheel (3 pcs.) for Cu, Al, brass			20	070007D

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	4	70401
MINICUT II PRO	6 - 22	1/4 - 7/8"	125	4	70402
Spare cutter wheel (5 pcs.)			20	1	070017D
Spare axle			5	1	70041

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	4	70105
Spare cutter wheel (5 pcs.)			20	1	070017D
Spare axle			5	1	70041

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	4	70015
Spare cutter wheel (5 pcs.)			20	1	070017D
Spare axle			5	1	70041

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	71019
TUBE CUTTER 50	12 - 50	1/2 -2"	520	1	70065

Model	g		No.
Spare cutter wheel (5 Pcs.)	20	1	070017D
Spare axle	5	1	70041

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		70030
Size 1 spare deburring blade			5	10	21652
Size 1 spare cutter wheel (5 pcs.)			20	1	070017D
Size 2 spare cutter wheel (2 pcs.)			20		070057D
Size 2 spare deburring blade			5	10	21652

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

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

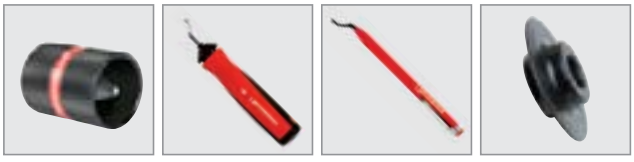



No. 70285

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

ACCESSORIES

Model		No.
Internal / external deburrer, Ø 6 - 35 mm	33	1500000237
Internal / external deburrer, Ø 10 - 54 mm	33	1500000236
GRATFIX	28	21655
UNIGRAT	28	21660
Spare cutter wheels	15	



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ROSLICE

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

Ergonomic form

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



Self-clamping and self-alignment

Prevents the deformation of the pipe

Non-slip surface

Reliable grip

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

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

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

ROTHENBERGER DURAMANT TECHNOLOGY

2 guide rollers with recess

Cut near flares



Cutter wheel compartment

Spare cutter wheel always within reach

Internal deburrer

Retractable

Precise cutting of stainless steel pipes



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	1	71085
Spare cutter wheel (5 pcs.)			20	1	070056D
Spare axle			5	1	70041

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	70340
Spare cutter wheel (2 pcs.)			20	1	70341

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

Set (No. 1000002222) 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



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

Model	g		No.
Spare cutter wheel (5 pcs.)	20	1	070056D
Spare deburring blade	10	10	21652

TUBE CUTTER CSST

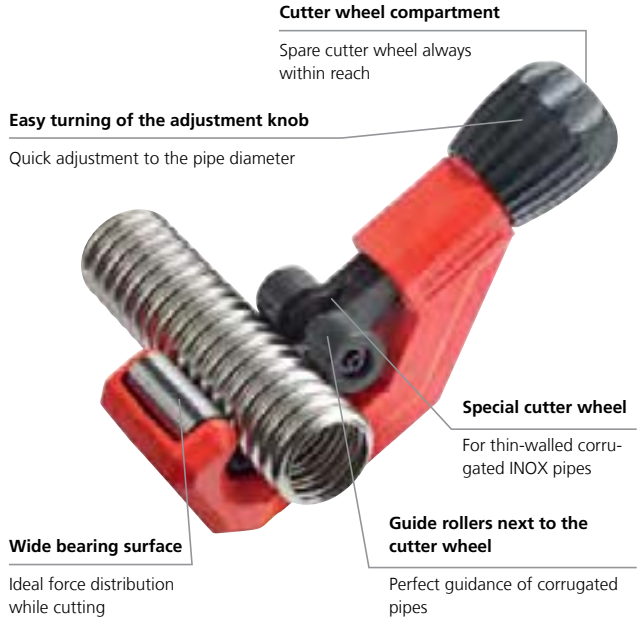
Pipe cutter for the precise cutting of corrugated INOX pipes Ø 10 - 42 mm (3/8" - 1.5/8")

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	1000001747
Cutter wheel CSST pipe (5 pcs.)		1	1000002077

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)





Model	mm	inch	g	No.
ENORM 4”	60 - 115	2 - 4”	7,105	70060
Spare cutter wheel (2 pcs.)			20	070061D

Model	g	No.
Spare axle	5	70064

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



Model	mm	inch	g	No.
SUPER 1.1/4”	10 - 42	1/8 - 1.1/4”	1,040	70040
SUPER 2”	10 - 60	1/8 - 2”	2,155	70045
1.1/4” spare cutter wheel (3 pcs.)			20	070046D
1.1/4” spare axle			5	701011500
2” spare cutter wheel (3 pcs.)			20	070051D
2” spare axle			5	70053

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

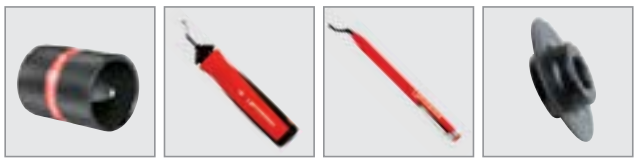
INOX

Precise cutting of stainless steel pipes



Model	mm	inch	g	No.
SUPER 1.1/4” INOX	10 - 42	1/8 - 1.1/4”	1,040	70086
SUPER 2” INOX	10 - 60	1/8 - 2”	2,155	70087
1.1/4” spare cutter wheel (2 pcs.)			20	070088D
1.1/4” spare axle			5	701011500
2” spare cutter wheel (2 pcs.)			20	070089D
2” spare axle			5	70053

ACCESSORIES



Model		No.
Internal / external deburrer, Ø 6 - 35 mm	33	1500000237
Internal / external deburrer, Ø 10 - 54 mm	33	1500000236
GRATFIX	34	21655
UNIGRAT	34	21660
Spare cutter wheels	21	

Pipe cutters, cutting wheels and spare parts

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







Pipe cutter type	Model for pipe - Ø	No.	Cutting wheel No.	Sizes d, L, D mm	Cutting depth	Spare axle No.	Ø mm Length mm Thread	Spare roller No.	Deburring blade No.	Application area
MINICUT I PRO **MINICUT II PRO**	3 - 16 mm 6 - 22 mm	70401 70402	070017D 070017D	4.8 / 5.90 / 18.5 4.8 / 5.90 / 18.5	3.0 3.0	70041 70041	4.7 / 14 / M3 4.7 / 14 / M3	70023 70023	- -	Copper pipe (Cu), brass pipe (Ms), aluminium pipe (Al), thin-walled steel pipe (Fe), PVC hard plastic pipe, plastic-coated pipe
MINICUT 2000	3 - 22 mm	70105	070017D	4.8 / 5.90 / 18.5	3.0	70041	4.7 / 14 / M3	-	-	
MINIMAX	3 - 28 mm	70015	070017D	4.8 / 5.90 / 18.5	3.0	70041	4.7 / 14 / M3	-	-	
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), brass pipe (Ms), aluminium pipe (Al), thin-walled steel pipe (Fe), PVC hard plastic pipe, plastic-coated pipe
TUBE CUTTER 35 + 35 C **TUBE CUTTER 42 PRO**	6 - 35 mm 6 - 42 mm	070027(C) 70029	070017D 070017D	4.8 / 5.90 / 18.5 4.8 / 5.90 / 18.5	3.0 3.0	70041 70041	4.7 / 14 / M3 4.7 / 14 / M3	70067 70067	21652 21652	
TUBE CUTTER 35 MLP **TUBE CUTTER 42 PRO MLP**	6 - 35 mm 6 - 42 mm	70108 70109	070188D 070188D	4.8 / 5.90 / 19.3 4.8 / 5.90 / 19.3	4.0 4.0	70041 70041	4.7 / 14 / M3 4.7 / 14 / M3	70067 70067	21652 21652	
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**	6 - 67 mm	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
Size 2	50 - 127 mm	70142	070057D	8.0 / 14.0 / 29.0	7.0	751004200	7.9 /23.5/1/4"	-	21652	thin-walled Cu, Ms, Al, Fe
		70032	055054D	8.0 / 13.0 / 40.0	13.0	751004200	7.9 /23.5/1/4"	-	21652	PE, PP, VPE, PB and PVDF pipes
			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	100 - 168 mm	70033	055074D	8.0 / 11.0 / 45.0	16.0	751004200	7.9 /23.5/1/4"	-	21652	PE, PP, VPE, PB and PVDF pipes
			055053D	8.0 / 11.0 / 30.5	8.6	751004200	7.9 /23.5/1/4"	-	21652	thin-walled PP pipes
TUBE CUTTER 28 **TUBE CUTTER 42**	3 - 28 mm 3 - 42 mm	70010 70011	070007D 070007D	4.8 / 3.0 / 16.0 4.8 / 3.0 / 16.0	2.5 2.5	70080 + 70081 70080 + 70081	4.7 / 9 / SR 4.7 / 9 / SR	80679 80679	- -	Cu, Ms, Al, Fe thin-walled 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 (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 **TUBE CUTTER 42 PRO INOX**	6 - 35 mm 6 - 42 mm	70055 70070	070056D 070056D	4.8 / 5.90 / 18.5 4.8 / 5.90 / 18.5	4.0 4.0	70041 70041	4.7 / 14 / M3 4.7 / 14 / M3	70068 70068	21652 21652	Stainless steel pipe Stainless steel pipe
SUPER INOX	1/8" - 1.1/4" 1/8" - 2"	70086 70087	070088D 070089D	4.8 / 5.90 / 19.3 9.0 / 19.0 / 31.5	4.0 7.0	701011500 70053	7.4 / 30 / - 8.9 / 35 / -	70047 70052	- -	Stainless steel pipe 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

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

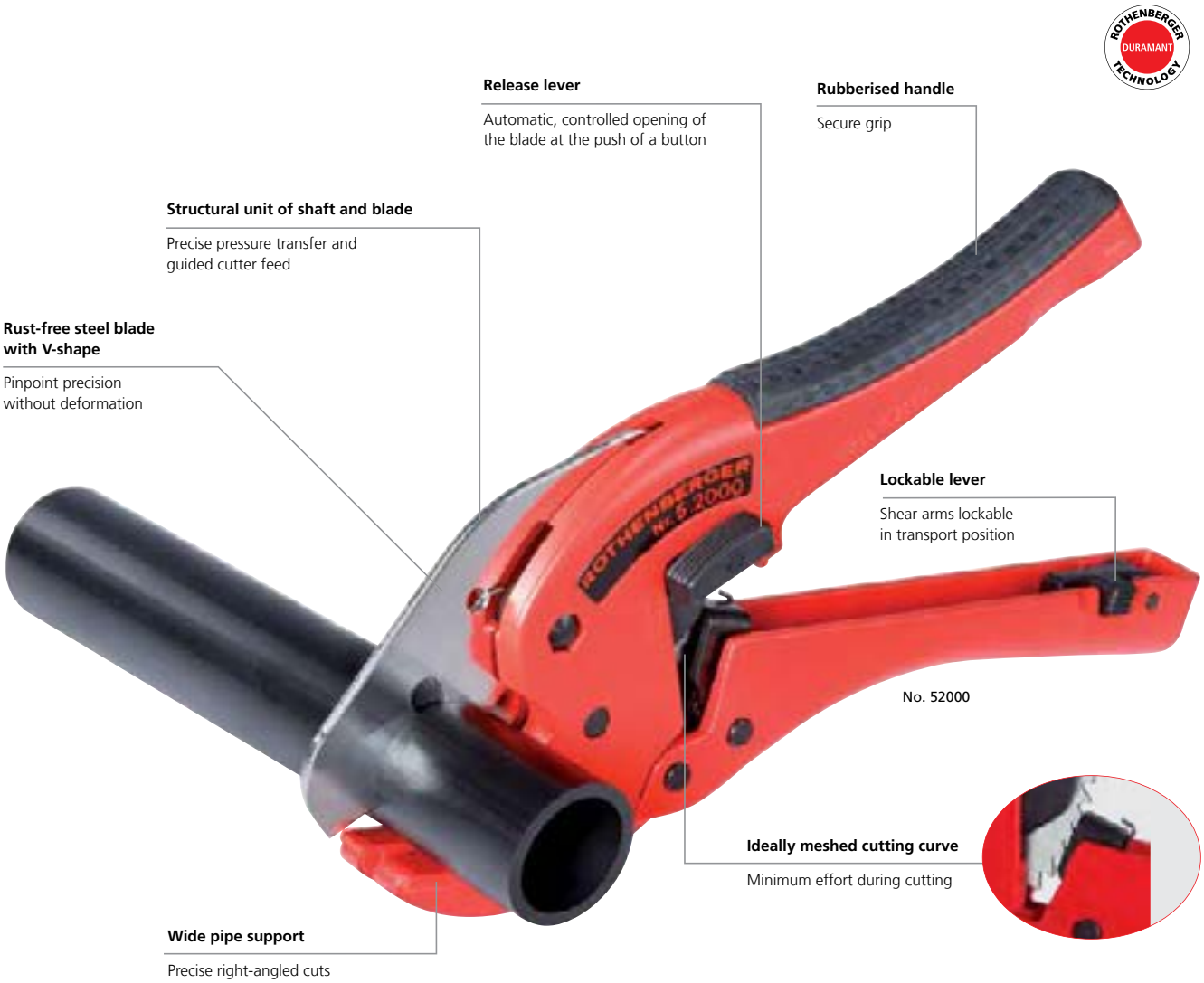
- Minimum effort during cutting
- Precise right-angled cuts
- Pin-point precision without deformation
- Precise pressure transfer and guided cutter feed
- Automatic, controlled opening of the blade at the push of a button

KEY FEATURES

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

TECHNICAL DATA

ROCUT Professional:		ROCUT Standard:	
TC 42:	Ø 0 - 42 mm	TC 26:	Ø 0 - 26 mm
TC 50:	Ø 0 - 50 mm	TC 32:	Ø 0 - 32 mm
TC 63:	Ø 0 - 63 mm	PS 35:	Ø 6 - 35 mm
TC 75:	Ø 0 - 75 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.[1)]
- 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

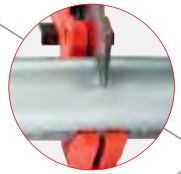
- The quick adjustment of the blade moves directly to the pipe and saves time at work
- Cutting requires 20% less effort due to the PTFE coated blade.[2)]

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



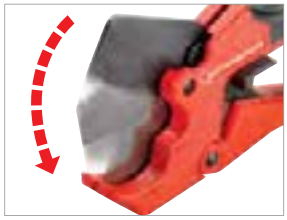
Symmetric reset lever

Comfortable resetting for left- and right-handers

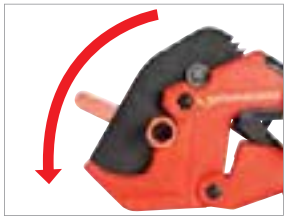
Two stage pipe holder

For pipes 0–20 and 20–42 mm. 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.[1)]







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

[1)] Internally tested. In comparison to the previous ROCUT TC 42 with a 16 mm pipe.
[2)] Internally tested. In comparison to the previous ROCUT TC 42 without PTFE coated blade.

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

RO CASE

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		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 plastic / MLP, manual

1



No. 55020

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





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	55020
Clamping set*	100	110	55048
Clamping set*	90	150	55021
Clamping set*	80	170	55047
Clamping set*	75	210	55022
Clamping set*	63	220	55023
Clamping set*	56	270	55024
Clamping set*	50	290	55025
Clamping set*	40	300	55027
Clamping set*	32	330	55026
*Clamping set (1 set = 2 semi-circular segments)			



No. 55030

ROCUT 160 with cutter blade



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	55030
Clamping set*	140	180	55031
Clamping set*	125	250	55032
Clamping set*	110	310	55033
*Clamping set (1 set = 2 semi-circular segments)			



No. 54960



No. 54961

With automatic copying





No. 55029 No. 55019

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	54960
Cutter blade shaft with Automatic copying and HM cutter blade inserts	12.5	120	54961
Spare HM cutter blade insert for Cutting and chamfering 15°	7.5	10	55029
Spare HM cutter blade insert for Cutting and chamfering 15°	12.5	20	55019



No. 54950



No. 055053D No. 055054D No. 055074D

Cutter wheels

ROCUT 110 and ROCUT 160

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

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



No. 70033

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. 070031D

Removable internal pipe deburrer





Model	mm	inch	Cutting-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

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

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



No. 70108

Model	mm	inch	g		No.
TC 35 MLP	6 - 35	1/4 - 1.3/8"	440	4	**70108**
Spare cutter wheel TC 35/42 MLP (5 pcs.)			19	1	**070188D**

Model	mm	inch	g		No.
TC 42 PRO MLP	6 - 42	1/4 - 1.5/8"	510	1	**70109**
TC 42 PRO PVC	6 - 42	1/4 - 1.5/8"	510	4	**70072**
Spare cutter wheel TC 42 PVC (3 pcs.)			10		**070028D**

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	71206

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	71222

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





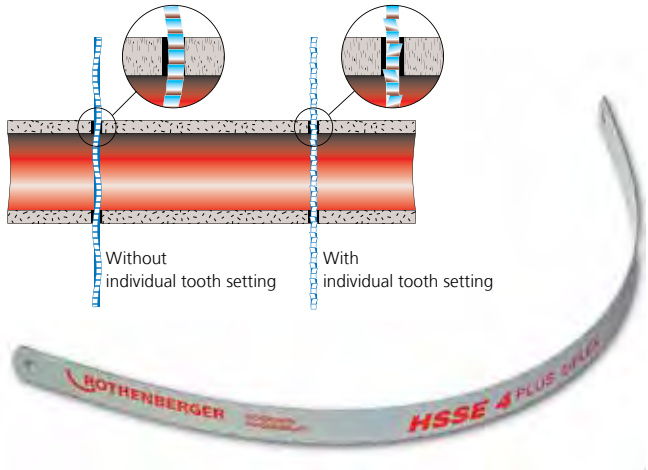
Model	Clamping width mm	g	No.
Metal saw frame without saw blade	300	530	300013

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		842100
PUK adjustable, with UNIVERSAL saw blade (w. App.)	150	140		71215
UNIVERSAL saw blade for metal	150 (32 TPI)	20	12	71217
Saw blade for wood	150 (14 TPI)	20	12	71216



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.

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	71213

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, hig-quality saw blades
- Stationary and mobile use
- CAS battery system for maximum independence

TECHNICAL DATA

Power supply: 18 V 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 18 V battery

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

Brushless Motor

For wear-free work and longer machine life



Three new high quality saw blades

For a precise cutting performance

Additional hiqh quality, fire-resistent bag

For absorving shaving

Convertable guide rail

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

Extra contact surface with ball bearing

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

Additional notch

For cutting threaded bolts

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



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



Clamp function enables fastest cutting performance for different materials.



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









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 4.0 Ah 18 V 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 4.0 Ah 18 V 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			
DURACUT St saw blade	0.1	1	1500003673
Steel saw blade for steel and cast iron pipes			
DURACUT X saw blade	0.1	1	1500003674
INOX Saw blade for INOX-pipes			
Cross cut guide rail	0.4	1	1500003694
Pipe support stand	0.5	1	1500003693
Workbench installer, 1200 x 550 x 835 mm	30.0	1	070690X
RO BP18/4, 4.0 Ah 18 V Li-Power battery	0.66	1	1000001653
RO BP18/4, 4.0 Ah 18 V Li-HD battery	0.59	1	1000002548
RO BP18/8, 8.0 Ah 18 V Li-HD battery	0.98	1	1000002549
RO BC14/36 battery charger, 230 V, EU	0.58	1	1000001654

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

[2] More information at cordless-alliance-system.com

1 ROCUT Plastic Pro

One tool, two pipe diameters

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

Product profile

APPLICATION AREA

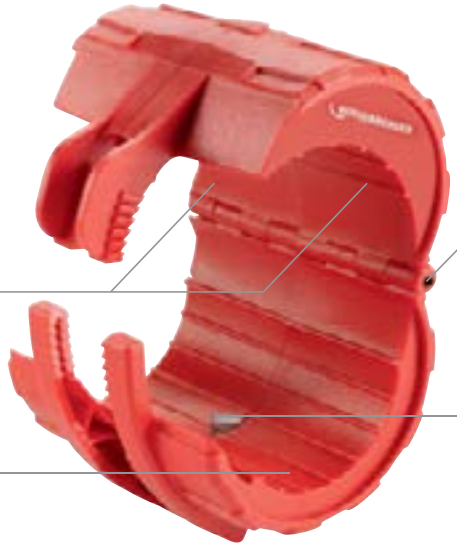
Cutting of PE, PP and PVC pipes for diameters Ø15 and 22 mm, Ø32 and 40 mm, Ø40 and 50 mm.

KEY FEATURES

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

TECHNICAL DATA

Working range:	15 – 50 mm
Max. Wall thickness:	3.5 mm
Suitable for:	PP, PE, PVC



Hinge
Easy to set up on the pipe

Two diameters
One tool for two diameters

Cutting blade
Optimally placed for straight cut

Cassette for spare blade
Practical storage for replacement cutting sheets

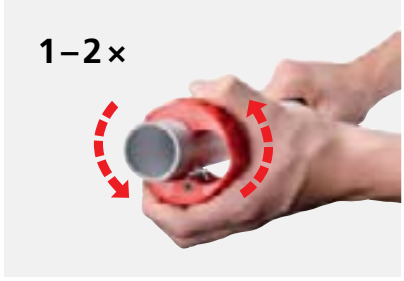


Model	g		No.
ROCUT Plastic Pro 15 and 22 mm EU	340	1	1000003051
ROCUT Plastic Pro 32 and 40 mm EU	540	1	1000003052
ROCUT Plastic Pro 40 and 50 mm EU	540	1	1000003106

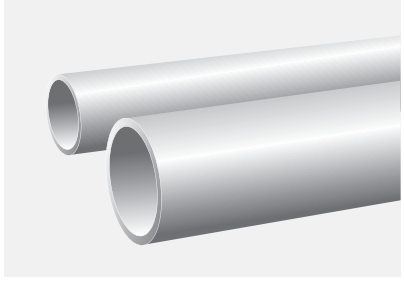
ACCESSORIES

Description	g		No.
Spare blades for ROCUT Plastic Pro 15/22 and 40/50 mm, 3 pcs.	100	1	1000003056
Spare blades for ROCUT Plastic Pro 32/40 mm, 3 pcs.	100	1	1000003057

Requires only a 42 mm* working area and just a few turns



2 in 1: cuts two different pipe sizes in one tool



Wall thickness up to 3.5 mm



* Internally tested 1000003106 ROCUT Plastic Pro 40/50 mm EU on a 40 mm PP pipe

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	11006
Internal and external deburrer for copper and INOX (stainless steel)	6 - 35	1/4 - 1.3/8"	100	1500000237
Internal and external deburrer for copper and INOX (stainless steel)	10 - 54	1/2 - 2"	390	1500000236

Deburrer adaptor I/II

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

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

Product profile

KEY FEATURES

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



No. 11044

Drive shaft

For the deburring with portable screwdriver or drill



No. 11045





Model	g	No.
Deburrer adaptor I for No. 1500000237	160	11044
Deburrer adaptor II for No. 1500000236	280	11045

1 GRATFIX HSS / UNIGRAT

Deburrer

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

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



UNIGRAT (No. 21660)



GRATFIX HSS (No. 21655)



Nr. 1 (No. 21652)

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

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

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

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



Star handle with screw-bit attachment and quick locking mechanism

High force transmission

True to size guiding and calibration pin

Increased safety, protects O-ring from damage

Shock-resistant protective sleeve

Protects from injury



Fig. ROGRAT MLP deburrer set

Color coding prevents confusion



System optimised chamfer



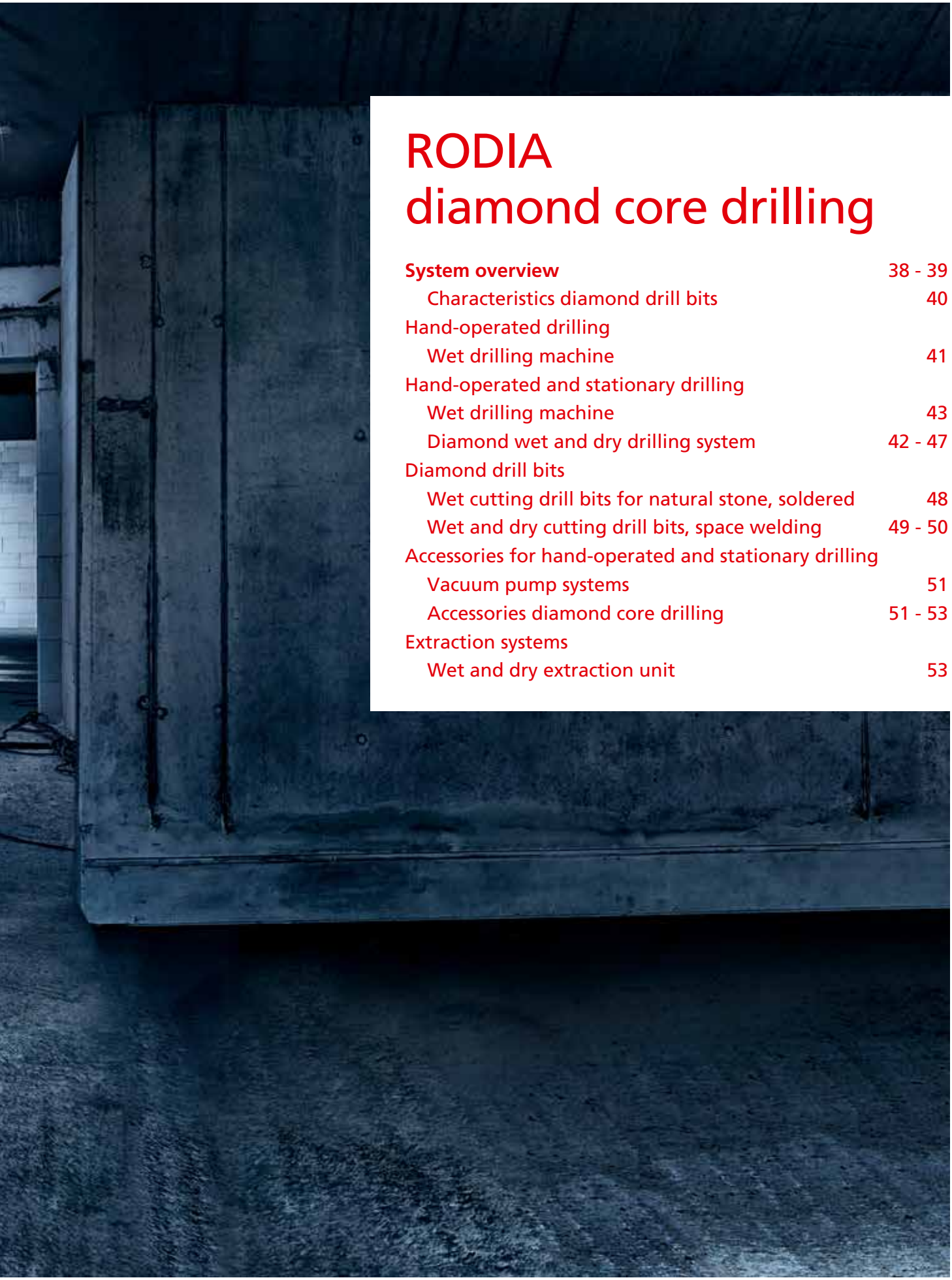
ROGRAT MLP system - manual chamfering attachments

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

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

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





RODIA diamond core drilling

System overview 38 - 39
Characteristics diamond drill bits 40
Hand-operated drilling
Wet drilling machine 41
Hand-operated and stationary drilling
Wet drilling machine 43
Diamond wet and dry drilling system 42 - 47
Diamond drill bits
Wet cutting drill bits for natural stone, soldered 48
Wet and dry cutting drill bits, space welding 49 - 50
Accessories for hand-operated and stationary drilling
Vacuum pump systems 51
Accessories diamond core drilling 51 - 53
Extraction systems
Wet and dry extraction unit 53

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
Stationary drilling in concrete:	Ø 6 - 67 mm	Ø 10 - 132 mm	Ø 10 - 200 mm	Ø 10 - 132 mm
Stationary drilling in masonry:	Ø 6 - 67 mm	Ø 32 - 162 mm	Ø 32 - 225 mm	Ø 10 - 152 mm
Hand-operated drilling in concrete:	Ø 6 - 35 mm	Ø 10 - 82 mm	Ø 10 - 82 mm	Ø 10 - 82 mm
Hand-operated drilling in masonry:	Ø 6 - 67 mm	Ø 32 - 162 mm	Ø 32 - 250 mm	Ø 32 - 162 mm
Power output:	800 W	1,400 W	2,400 W	1,400 W
Speed transmission:	2-gear	2-gear	3-gear	2-gear
Nominal speed:	3,600 / 6,400 rpm	500 / 1,050 rpm	600 / 1,250 / 3,200 rpm	500 / 1,050 rpm
Torque:	4 / 7 Nm	55 / 27 Nm	71 / 34 / 17 Nm	55 / 27 Nm
Weight:	3.4 kg	6.7 kg	7.2 kg	16.7 kg
Page	**41**	**43**	**43, 45**	**42**

Drill bits

	High SPEED Plus-natural stone*	DX- High SPEED Plus*	SPEED STAR DX*
			
Connection:	G 1/2"	G 1/2", 1.1/4" UNC	G 1/2", 1.1/4" UNC
Drill bit diameter:	Ø 6 - 67 mm	Ø 20 - 300 mm	Ø 10 - 500 mm
Working length:	up to Ø 10 mm = 50 mm from Ø 12 mm = 120 mm	G 1/2", 400 mm working length 1.1/4" UNC, 430 mm working length	G 1/2", 400 mm working length 1.1/4" UNC, 430 mm working length
Application:	wet	wet and dry	wet and dry
Tiles:	♁♁♁	♁	♁♁
Granite:	♁♁♁	♁	♁♁
Marble:	♁♁♁	♁	♁♁
Brick:	♁♁	♁♁♁**	♁♁♁**
Masonry:	♁	♁♁♁**	♁♁**
Lime-sand brick:	♁	♁♁♁**	♁♁**
Asphalt:	♁♁	♁♁♁**	♁♁♁**
Screed:	♁♁	♁♁♁	♁♁
Concrete:	♁♁♁	♁♁♁	♁♁
Reinforced concrete:	♁♁♁	♁♁	♁♁♁
Page	**48**	**49**	**50**

* 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
Stationary drilling in concrete:	Ø 10 - 152 mm	Ø 10 - 200 mm	Ø 32 - 250 mm	Ø 32 - 400* (500) mm
Stationary drilling in masonry:	Ø 10 - 152 mm	Ø 32 - 225 mm	Ø 32 - 250 mm	Ø 32 - 400* (500) mm
Hand-operated drilling in concrete:	Ø 10 - 82 mm	Ø 10 - 82 mm		
Hand-operated drilling in masonry:	Ø 32 - 250 mm	Ø 32 - 250 mm		
Power output:	2,400 W	2,400 W	3,000 W	3,000 W
Speed transmission:	3-gear	3-gear	3-gear	3-gear
Nominal speed:	600 / 1,250 / 3,200 rpm	600 / 1,250 / 3,200 rpm	215 / 430 / 785 rpm	215 / 430 / 785 rpm
Torque:	71 / 34 / 17 Nm	71 / 34 / 17 Nm	185 / 107 / 55 Nm	185 / 107 / 55 Nm
Weight:	17.2 kg	25.2 kg	30.1 kg	39.8 kg
Page	**42**	**44**	**44**	**46**

* Drilling range with distance plate expandable up to 500 mm

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

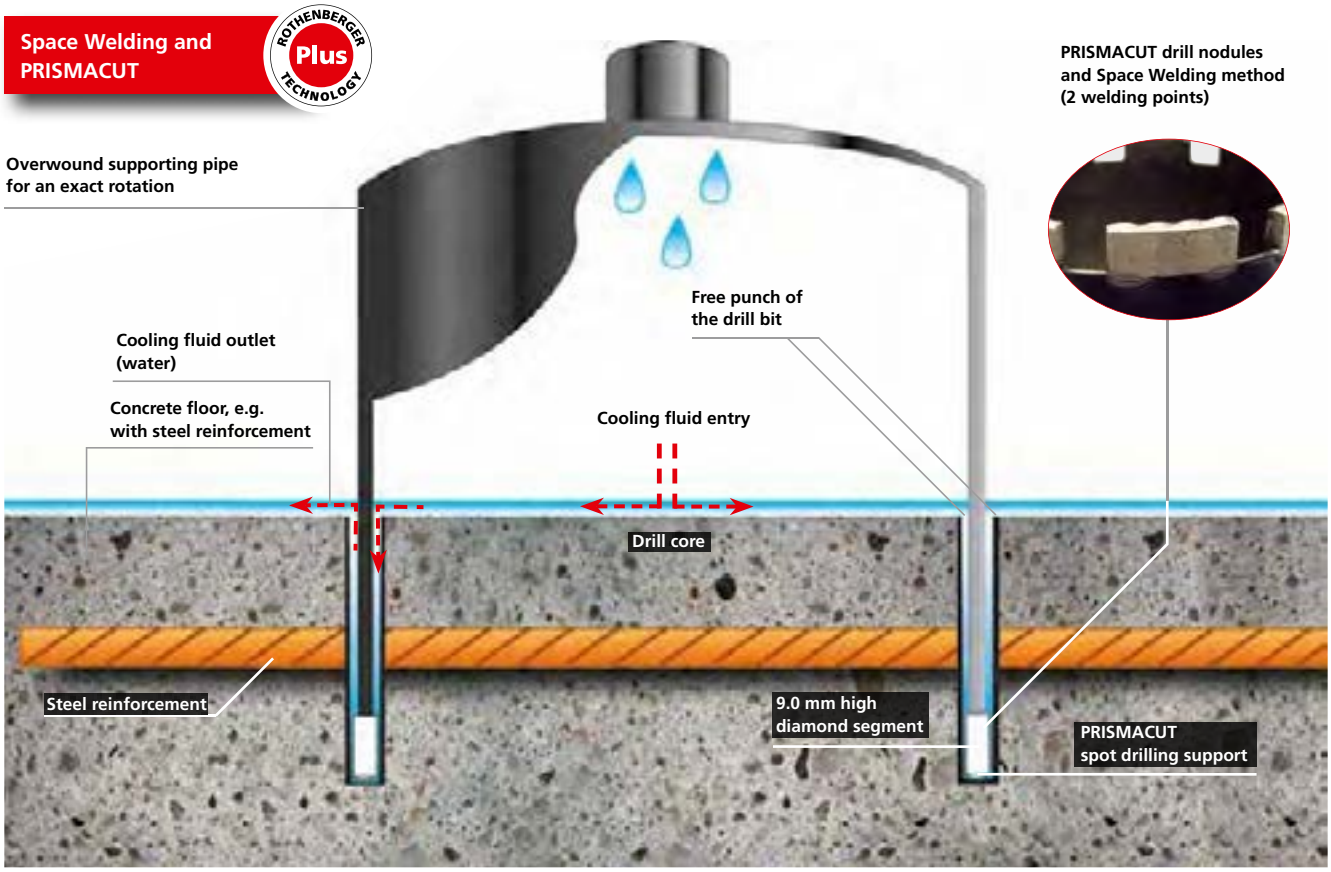
PRISMACUT

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



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

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.

RO CASE | 230 V | Ø 67 | RO SERVICE+ [1]

Product profile

APPLICATION AREA

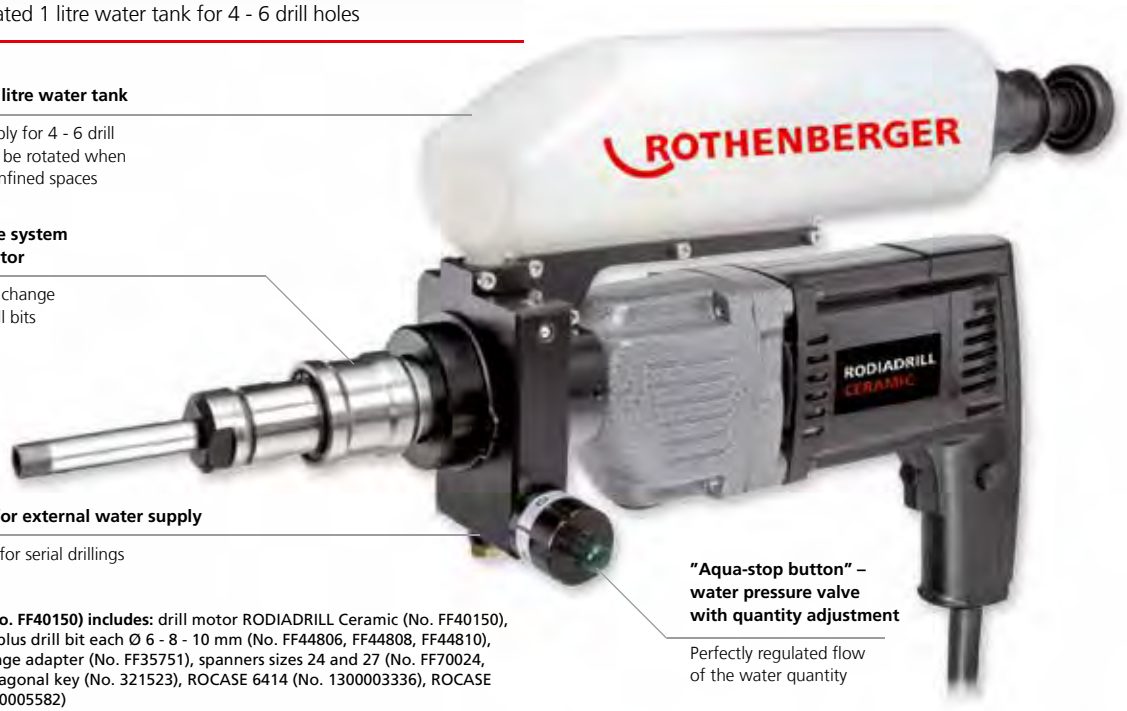
Hand-operated wet drilling in:
(reinforced) concrete Ø 6 - 35 mm, marble, granite, ceramic tiles, masonry, hollow brickwork and glass Ø 6 - 67 mm

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

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

"Aqua-stop button" – water pressure valve with quantity adjustment
Perfectly regulated flow of the water quantity

11-part set (No. FF40150) includes: drill motor RODIADRILL Ceramic (No. FF40150), 1 high speed plus drill bit each Ø 6 - 8 - 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

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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

2

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



Hexagon socket screw key 6 mm included

All adjustments with a single tool

Adjustable handle

Quick change of operating side-drilling, even in confined spaces

Drill angle adjustment 90° - 45°

Quick, easy, no tools required

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



Circular level

Quick and exact alignment of the drill stand



Buckling resistant column

Robust and lightweight

RODIADRILL 160

Drill motor

230 V

RO SERVICE+ [1]



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

230 V

RO SERVICE+ [1]



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)

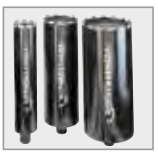
Model	kg	No.
Drill system RODIACUT 150/RODIADRILL 160	16.5	FF34150
Drill stand RODIACUT 150	9.7	FF30150
Drill motor RODIADRILL 160	6.8	FF40165
Drill system RODIACUT 150/RODIADRILL 200	16.9	FF34160
Drill motor RODIADRILL 200	7.2	FF40220

ACCESSORIES







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

[1] Complete terms and conditions at rothenberger.com/roservice
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2

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

RODIADRILL 200:

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)

RODIACUT 250:

Drilling range:	Without water collection ring max. Ø 250 mm With water collection ring max. Ø 225 mm
Drill motor-adaptor:	Clamping neck Ø 60 mm and quick change recording via dovetail plate
L x W x H:	260 x 510 x 980 mm
Hub:	650 mm
Weight:	19.7 kg

4 applications with just one unit



Hexagon socket screw key 6 mm included

All adjustments with a single tool

Feed unit with quick change uptake

Toolless, quick mounting/demounting of drill motor

Adjustable handle

Quick change of operating side-drilling, even in confined spaces

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

RODIADRILL 500:

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



Buckling resistant column

Robust and lightweight

Integrated vacuum plate

Two mounting options with just one base plate

RODIADRILL 200

230 V

RO SERVICE+ [1]

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

230 V

RO SERVICE+ [1]

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 RODIA-DRILL 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	**FF34200**
Drill stand RODIACUT 250	14.5	**FF30250**
Drill motor RODIADRILL 200	7.2	**FF40220**
Drill system RODIACUT 250/RODIADRILL 500	31.4	**FF34260**
Drill motor RODIADRILL 500	12.1	**FF40400**

ACCESSORIES










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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

2

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

230 V

RO SERVICE+ [1)]

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)

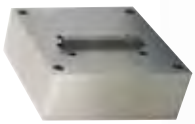
Drilling range:	W/o water collection ring: max. Ø 400 mm Optional with distance plate max. Ø 500 mm
Weight:	28.4 kg
L x W x H:	460 x 260 x 1,100 mm
Hub:	680 mm





4x roll guides

Precise and low vibration operation, flexible use / module concept



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

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



Drill angle adjustments

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

Rubber transport wheels

Quick and easy transport on the building site

[1)] Complete terms and conditions at rothenberger.com/roservice
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RODIADRILL 500

230 V

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)

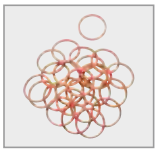
TECHNICAL DATA (DRILL MOTOR)

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:	Dovetail plate		

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

ACCESSORIES







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

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!

2

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
Effective length:	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

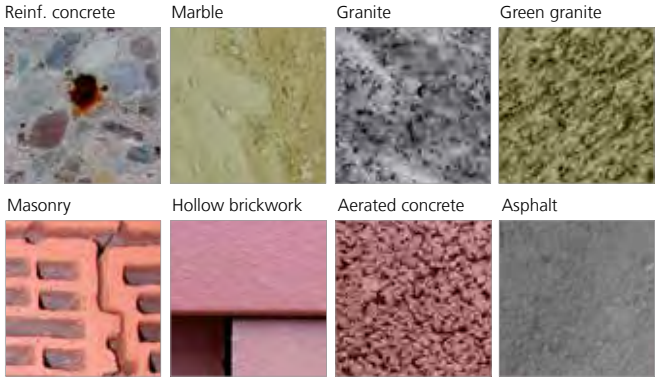


Overwound drill bits

Balanced rotation reduces wear

Drilling of the hardest materials





Suitable for







Ø mm	kg	Adaptor G 1/2" No.
6.3	0.17	FF44806
8.3	0.17	FF44808
10	0.17	FF44810
12	0.19	FF44812
14	0.20	FF44814

Ø mm	kg	Adaptor G 1/2" No.
15	0.20	FF44815
16	0.20	FF44816
20	0.22	FF44820
22	0.22	FF44822
24	0.22	FF44824

Ø mm	kg	Adaptor G 1/2" No.
30	0.25	FF44830
35	0.30	FF44835
40	0.34	FF44840
50*	0.60	FF44850
60*	0.72	FF44860

Ø mm	kg	Adaptor G 1/2" No.
67*	0.79	FF44867

* 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

ROTHENBERGER Plus TECHNOLOGY

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

TECHNICAL DATA

G 1/2" connection (300 mm effective length)

Drill bits	Segment	Segment dimensions (L x W x H)
Ø 20 - 40 mm	1	19.3 x 2.5 x 9 mm
Ø 42 - 62 mm	4 - 6	24.0 x 2.5 x 9 mm
Ø 72 - 92 mm	7 - 8	24.0 x 2.8 x 9 mm
Ø 102 - 132 mm	7 - 11	24.0 x 3.3 x 9 mm

1.1/4" UNC connection (430 mm effective length)

Ø 30 - 62 mm	1 - 6	24.0 x 2.5 x 9 mm
Ø 72 - 92 mm	7 - 8	24.0 x 2.8 x 9 mm
Ø 102 - 152 mm	9 - 12	24.0 x 3.3 x 9 mm
Ø 162 - 182 mm	12 - 14	24.0 x 3.8 x 9 mm
Ø 200 - 300 mm	14 - 20	24.0 x 4.0 x 9 mm

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







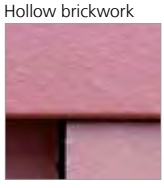
Marble



Masonry



Hollow brickwork



Pavement



Lime sand brick



Reinf. concrete



Ø mm	kg	Adaptor 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 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 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 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!

2

SPEED STAR DX

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

Space welding and PRISMACUT

ROTHENBERGER Plus TECHNOLOGY

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
Connection G 1/2":		Effective length 400 mm
Connection 1.1/4" UNC:		Effective length 430 mm

PRISMACUT

For better drill behaviour

Extremely high diamond concentration

Faster drilling progress



Overwound drill bits

Balanced rotation reduces wear

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

Suitable for all other ROTHENBERGER drilling machines

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

Suitable for



RD 160*



RD 200*



RD 500*

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

Reinf. concrete



Marble



Asphalt



Ø mm	kg	Adaptor G 1/2" No.
10	0.3	FF00610
12	0.4	FF00612
16	0.4	FF00616
18	0.4	FF00618
20	0.5	FF00620
25	0.5	FF00625
32	0.6	FF00632
40	0.7	FF00640
46	0.7	FF00645
52	0.9	FF00650

Ø mm	kg	Adaptor G 1/2" No.
56	1.2	FF00655
66	1.3	FF00665
76	1.5	FF00675
82	1.6	FF00680
102	2.1	FF00700
112	2.4	FF00710
132	2.9	FF00730

Ø mm	kg	Adaptor 1.1/4" No.
25	0.6	FF00025
30	0.7	FF00030
46	1.4	FF00045
52	1.6	FF00050
56	1.7	FF00055
66	2.1	FF00065
76	2.4	FF00075
102	3.4	FF00100
112	3.8	FF00110
122	4.2	FF00120

Ø mm	kg	Adaptor 1.1/4" No.
132	4.6	FF00130
142	5.0	FF00140
152	6.4	FF00150
162	7.0	FF00160
200	9.0	FF00200
250	13.6	FF00250
280	17.6	FF00280
300	19.3	FF00300
350	23.6	FF00350
500	39.1	FF00500

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

Vacuum pump RODIA-VAC

RO SERVICE+ [1]

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 sideway guidance.



No. FF35015

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

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	FF35120
Drive-in anchor concrete M12	0.04	FF35122
Threaded rod, B15 concrete set	0.20	FF35129
Threaded rod, B15 masonry	0.30	FF35130
SDS-plus hammer drill Ø 15 mm, wl. 160 mm	0.16	111429*
Wet drill bit Ø 15 mm, G1/2”	0.20	FF44815
Masonry fixing set	1.10	FF35121
Rawl anchor M 12	0.08	FF35126
Wet drill bit Ø 20 mm, G1/2”	0.22	FF44820
G 1/2” outer thread to 1.1/4” UNC outer thread	0.50	FF35080
1.1/4” UNC inner thread to G 1/2” inner thread	0.70	FF35095
Adaptor DD-BU to G 1/2”+ 1.1/4”	0.80	FF35092
Adaptor DD-BL/BS/BR to G 1/2”+ 1.1/4”	0.80	FF35093
Copper ring 1.1/4”	0.05	FF35190

* Cordless rotary hammer p. 333

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2

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

Manometer

Pressure indicator

2.5 meter hose length

Ideal use for ceiling holes

No. FF35028



Connection quick plug-in coupling

Drip-free connection even under water pressure

Model	kg	No.
Water supply hose with Aqua-Stop	0.20	FF35302

Model	kg	No.
Pressurized water container, 10 litre	5.50	FF35028
Water supply hose for RODIADRILL	0.20	FF35301

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	FF35700
Spare rubber membrane (for FF35700)	0.3	FF55131
Water collection ring, stationary (up to Ø 200 mm)	2.5	FF35730
Spare rubber membrane (for FF35730)	0.6	FF55201

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	FF35040	1.00	FF35060
200	0.90	FF35045	2.00	FF35065
300	1.40	FF35050	3.00	FF35070
500	2.40	FF35055	5.10	FF35075

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

8 m 230 V

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!



High cleaning efficiency

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

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



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

System overview	56 - 57
Manual	
Bender one-handed	58 - 60
Bending pliers	61 - 62
Tube bending springs CU	63
Internal bending springs MLP	63
Vice bender	64 - 65
Manual hydraulic	
Bender, manual hydraulic	66 - 67
Electro-hydraulic	
Bender, electro-hydraulic	68 - 69
Electro	
Bender, electric	70 - 73
Bending tables	73 - 77

Bending

System overview

Push bending

	TUBE BENDER	TUBE BENDER Maxi	TUBE BENDER Maxi MLP
			
Method:	Manual 90°	Manual 90°	Manual 90°
Working range: Copper	Ø 5 - 12 mm (1/4 - 1/2"), ·⊙1 mm, soft	Ø 12 - 22 mm (3/8 - 7/8") ·⊙1 mm, soft	–
Working range: Aluminium	Ø 5 - 12 mm (1/4 - 1/2"), ·⊙1 mm, soft	Ø 12 - 22 mm (3/8 - 7/8") ·⊙1 mm, soft	–
Working range: Precision steel	Ø 5 - 12 mm (1/4 - 1/2"), ·⊙1 mm, soft	Ø 12 - 22 mm (3/8 - 7/8") ·⊙1 mm, soft	–
Working range: Stainless steel	–	–	–
Working range: MLP	–	Ø 14 - 26 mm (5/8 - 7/8") ·⊙3 mm	Ø 14 - 32 mm ·⊙3 mm
Page	58	59	60

Pull bending

	Standard two handed bender	MULTIBEND	MINIBEND	Standard bender
				
Method:	Manual 90°	Manual 180°	Manual 180°	Manual 180°
Working range: Copper	Ø 12 - 22 mm ·⊙1 mm, semi-hard	Ø 10 - 18 mm (1/4 - 5/8") ·⊙1 mm, soft	Ø 6 - 10 mm (1/4 - 3/8") ·⊙1 mm, soft	Ø 6 - 18 mm (1/4 - 5/8") ·⊙1 mm, soft
Working range: Aluminium	–	Ø 10 - 18 mm (1/4 - 5/8") ·⊙1 mm, soft	Ø 6 - 10 mm (1/4 - 3/8") ·⊙1 mm, soft	Ø 6 - 18 mm (1/4 - 5/8") ·⊙1 mm, soft
Working range: Precision steel	–	Ø 10 - 18 mm (1/4 - 5/8") ·⊙1 mm, soft	Ø 6 - 10 mm (1/4 - 3/8") ·⊙1 mm, soft	Ø 6 - 18 mm (1/4 - 5/8") ·⊙1 mm, soft
Working range: Stainless steel	–	–	–	–
Working range: MLP	–	–	–	–
Page	61	61	62	62

Push bending

	ROBULL type E	ROBULL type ME
		
Method:	Manual hydraulic 90°	Electro-hydraulic 90°
Working range: Copper	–	–
Working range: Aluminium	–	–
Working range: Precision steel	Ø 3/8 - 2″	Ø 3/8 - 2″
Working range: Stainless steel	–	–
Working range: MLP	–	–
Page	66 - 67	68 - 69

Pull bending

	Pro bender	Internal bending springs MLP	ROBEND H+W PLUS	ROBEND 4000/4000 E
				
Method:	Manual 180°	Manual 180°	Manual 180°	Electric 180°
Working range: Copper	Ø 10 - 16 mm (3/8 - 3/4″) ⊙ 1 mm, soft, semi-hard, hard	–	Ø 8 - 22 mm (5/16 - 7/8″) ⊙ 1 mm, soft, semi-hard, hard	Ø 12 - 35 mm (1/2 - 1.3/8″) ⊙ 1.6 mm, soft, semi-hard, hard
Working range: Aluminium	–	–	Ø 8 - 22 mm (5/16 - 7/8″) ⊙ 1 mm, soft	Ø 12 - 28 mm (1/2 - 1.1/8″) ⊙ 2.0 mm, soft, semi-hard, hard
Working range: Precision steel	–	–	Ø 10 - 22 mm (3/8 - 5/8″) ⊙ 1 mm, soft	Ø 12 - 28 mm (1/2 - 1.1/8″) ⊙ 2 mm, soft
Working range: Stainless steel	Ø 10 - 16 mm (3/8 - 3/4″) ⊙ 1 mm, soft, semi-hard, hard	–	Ø 8 - 22 mm (5/16 - 7/8″) ⊙ 1 mm	Ø 12 - 28 mm (1/2 - 1.1/8″) ⊙ 1.5 mm
Working range: MLP	–	Ø 6 - 20 mm	–	–
Page	61	63	64 - 65	70 - 71

[1] More information at cordless-alliance-system.com

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:

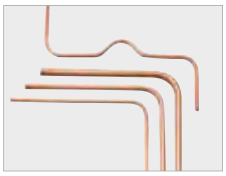
Copper (soft) and aluminium:	Ø 5 - 12 mm, 1/4 - 1/2"
Precision steel (soft):	Ø 5 - 12 mm, 1/4 - 1/2"

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



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	**24131**
TB set 6 - 8 - 10 - 12 mm	3.03	**24132**
TB set 8 - 10 - 12 mm	2.82	**24133**
TB set 1/4 - 5/16 - 3/8 - 1/2"	2.92	**24134**
Basic tool without bending segments	0.36	**766004016**
Support segment	0.05	**24048**
Back plate without support segment	0.14	**24049**

TUBE BENDER bending segments

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

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:

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

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



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	023020X
TB MAXI set 12 - 14 - 16 - 18 - 22 mm	3.5	023021X
TB MAXI set 3/8 - 1/2 - 5/8 - 3/4 - 7/8"	3.3	023022X
TB MAXI set MLP 14 - 16 - 18 - 20 - 25 mm	3.3	023090X
TB MAXI set MLP 14 - 16 - 18 - 20 - 26 mm	3.3	023091X
Basic tool w/o back plate support	1.0	766100016
Back plate support w/o support segment	0.5	R2301500
Support segments MLP R/L 10 - 25 mm (2 pcs.)	0.5	23008
Support segments R/L 12 - 22 mm (2 pcs.)	0.1	23047

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	23001
Bending segment	12 mm	1.0	80	23002
Bending segment	14 mm	1.0	80	23003
Bending segment	15 mm	1.0	90	23004
Bending segment	16 mm	1.0	100	23005
Bending segment	18 mm	1.0	140	23006
Bending segment	22 mm	1.0	170	23007
Bending segment	3/8"	1.0	70	23010
Bending segment	1/2"	1.0	80	23011
Bending segment	5/8"	1.0	100	23012
Bending segment	3/4"	1.0	120	23013
Bending segment	7/8"	1.0	170	23014

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



Fig. TUBE BENDER MAXI MLP

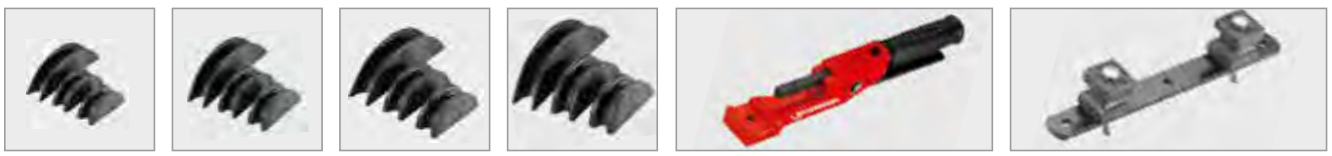
Universal field operation



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



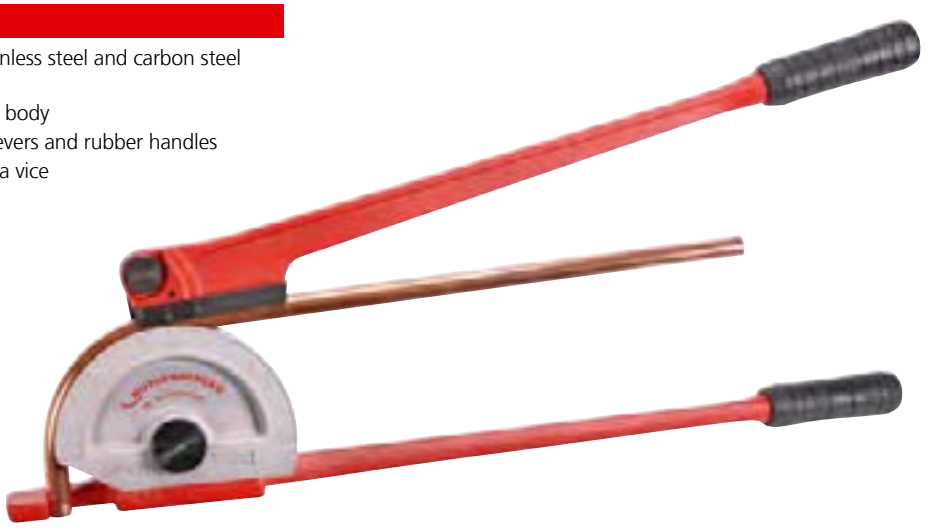
Description	g	No.	Description	g	No.
Bending segment 14 x 2,0 mm	80	23003	Bending segment 26 x 2,0 mm	200	23053
Bending segment 16 x 2,0 mm	100	23005	Bending segment 32 x 2,0 mm	380	23051
Bending segment 18 x 2,0 mm	140	23050	Basic tool 32 w/o support brackets	1,280	23076
Bending segment 20 x 2,0 mm	150	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



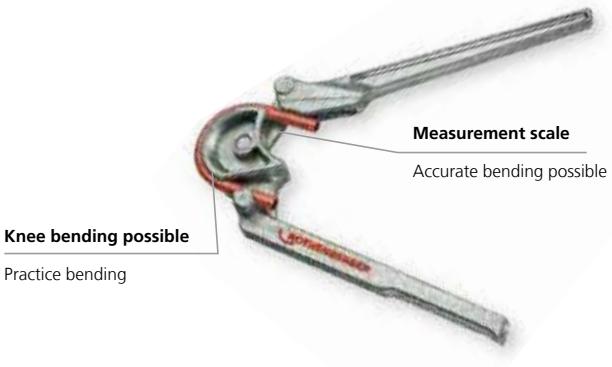
Size	max. mm	R Radius mm	L mm	kg	No.
3/8" / 10 mm	1.0	40	530	2.2	1000001431
1/2"	1.0	47	530	2.1	767050016
5/8" / 16 mm	1.0	76	770	4.0	1000000445
3/4"	1.0	76	770	3.9	767750016

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 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

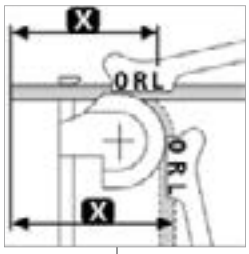
- Universal bender for sanitary and heating installations refrigeration and air-conditioning systems
- Long handles allow for better leverage in the bending of semihard copper pipes
- Bending pliers with sliding carriage for millimetre-exact bending
- Accurate adjustments between the bending radius and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



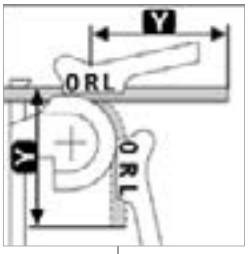
Size	mm	R Radius mm	L mm	kg	No.
12 mm	1.0	43	460	1.4	462212
15 mm	1.0	60	600	2.3	462215
18 mm	1.0	74	860	3.2	462218
22 mm	1.0	87	900	4.3	462222

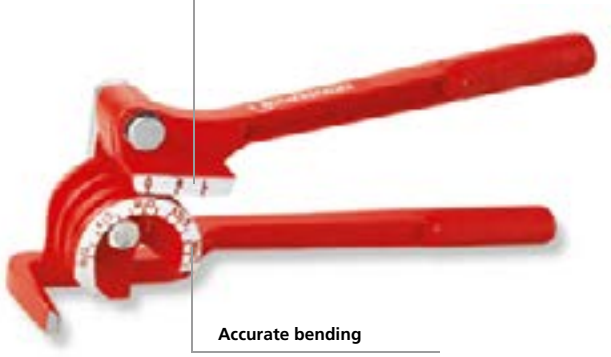
3

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



Accurate bending

Minimum size chart and bending radius display on measurement scale

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

Size	R 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	33	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

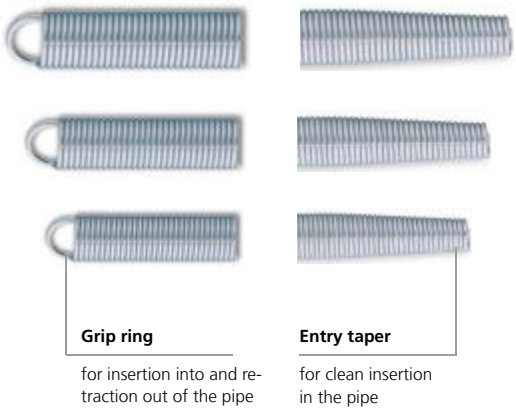
- Coiled cone for ideal handling even with longer pipes
- Tough and long lasting with the cadmium-plated spring steel
- Optimal spring form prevents buckling in bending radius area

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	33	1500000236

ROBEND H+W PLUS

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

Product profile

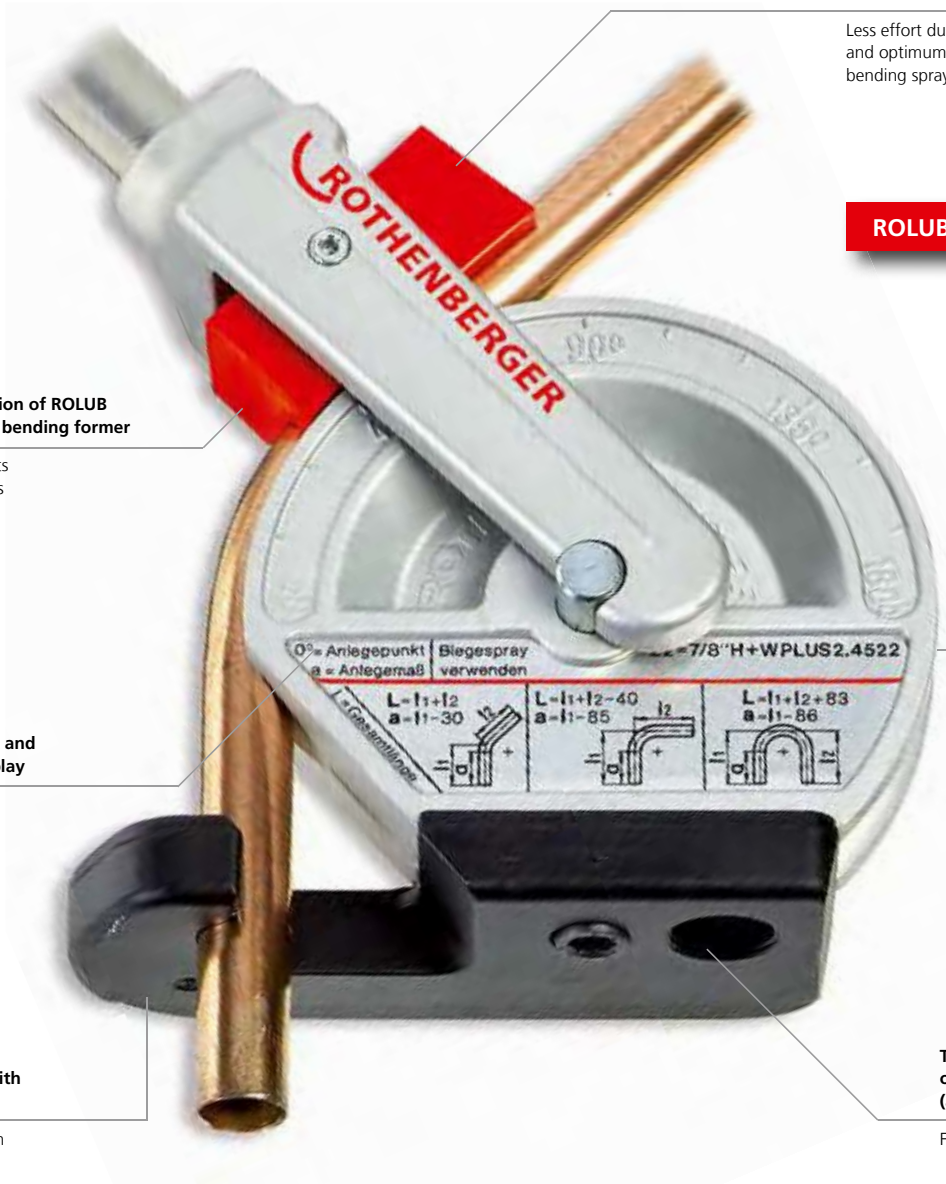
APPLICATION AREA

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

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

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



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

Made from high-quality forged aluminium

Retains shape and remains stable

Bending formers with base plate

Easy bending through clamping on a vice

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.

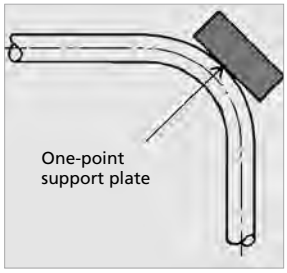


ROBEND H+W PLUS bender

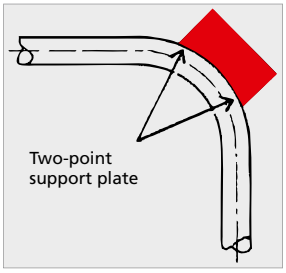
Size	max mm	R Radius mm	g	No.
8 mm	1	22	660	24508
10 mm	1	32	1,180	24510
12 mm	1	38	1,110	24512
14 mm	1	45	1,370	24514
15 mm	1	45	1,370	24515
16 mm	1	64	2,620	24516
18 mm	1	64	2,620	24518
22 mm	1	81	3,800	24522
5/16″	1	22	660	24508
1/2″	1	38	1,110	24552
5/8″	1	64	2,620	24516
3/4″	1	81	3,850	24519
7/8″	1	81	3,800	24522
ACCESSORIES (additional lever for two-handed bending)*				
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

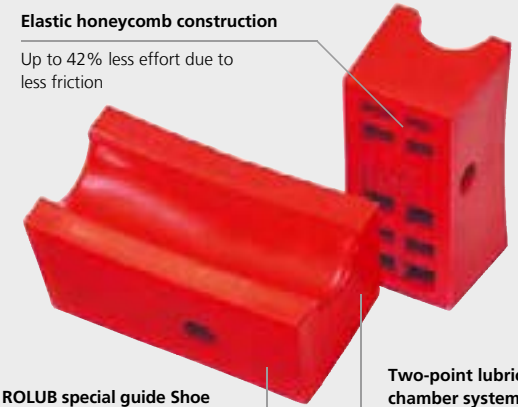
Size	g	No.
8 mm	20	25308
10 mm	20	25310
12 mm	30	25312
14 mm	30	25314
15 mm	30	25315
16 mm	50	25316
18 mm	50	25318
22 mm	90	25322
5/16″	20	25308
1/2″	30	25313
5/8″	50	25316
3/4″	90	25319
7/8″	90	25322

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

3

ROBULL type E

For precise, manual hydraulic cold bending up to 90°

Product profile

APPLICATION AREA

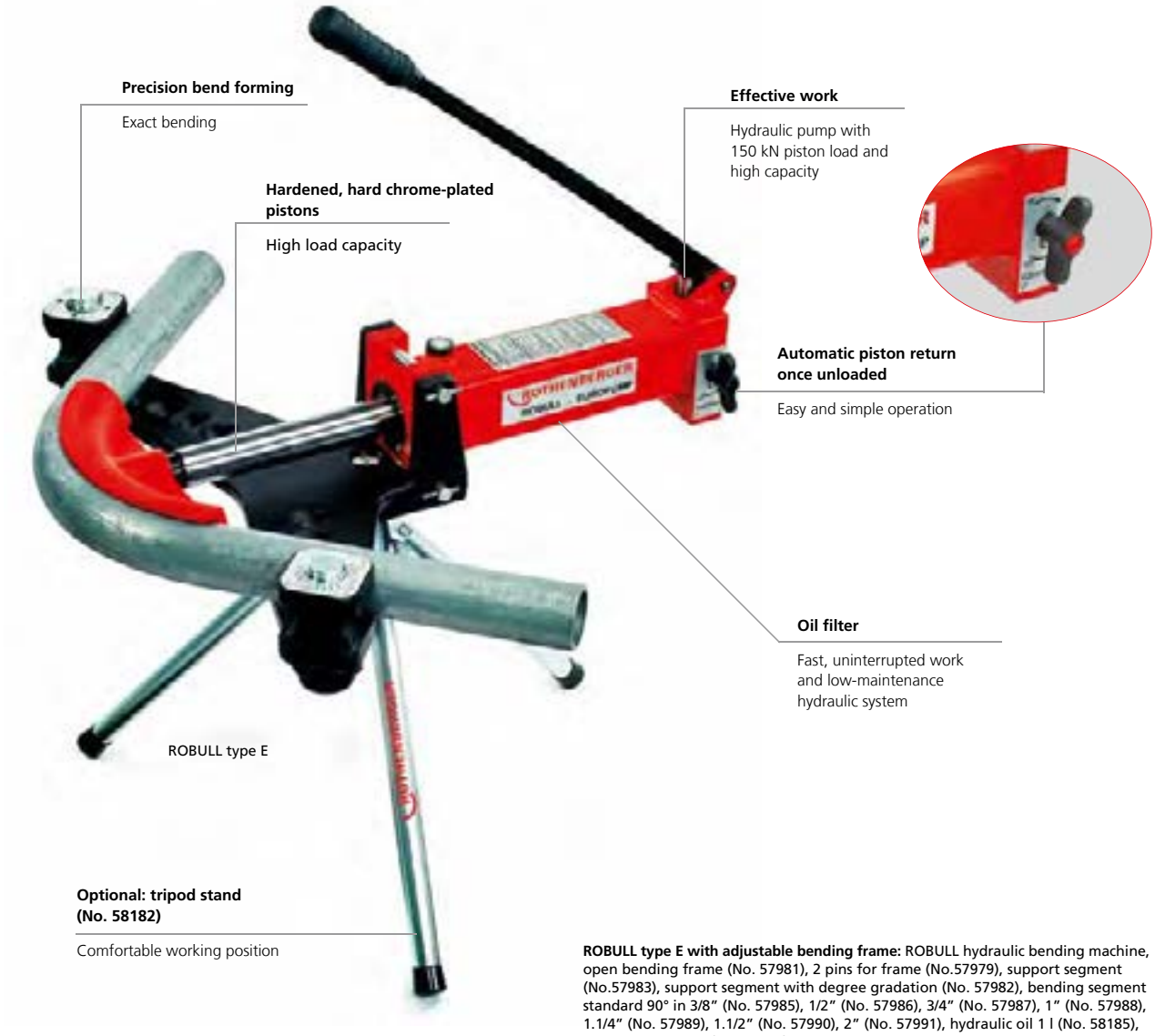
Broadly applicable, universal portable hydraulic bending system for plumbing, sanitary and heating installation on construction sites, for apparatus and boiler construction and for industrial use.
Also suitable for aligning tubes.

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	057950X
ROBULL type E	with adjustable bending frame and accessories (see above)	59.8	057966X
ROBULL type E	with foldable bending frame and accessories (see above)	72.6	057961X

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

ROBULL type E



ROBULL type E with foldable bending frame



Fig. similar

ROBULL type E bending segments

Small bending radius (red)

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

ROBULL type E bending segments

Large bending radius (black)

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

ACCESSORIES









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

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

ROBULL type ME

For precise, power hydraulic cold bending up to 90°

230 V

RO SERVICE+ [1)]

Product profile

APPLICATION AREA

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

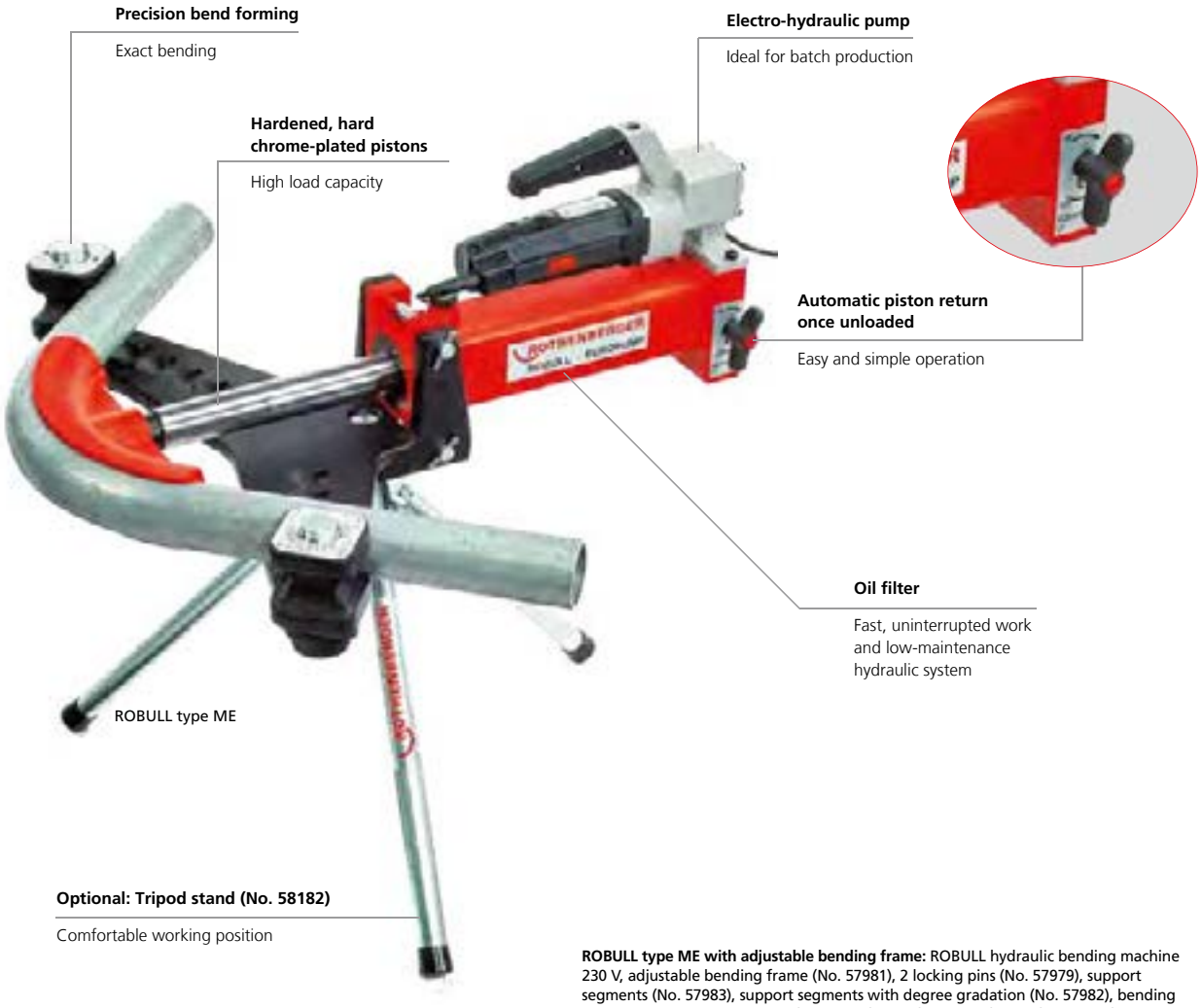
ROBULL type ME:

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	057969X
ROBULL type ME	with adjustable bending frame and accessories (see above)	59.8	057973X
ROBULL type ME	with foldable bending frame and accessories (see above)	72.6	057972X

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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 min. mm	R mm	kg	No.
3/8″	17.2	2.35	45	0.7	**57985**
1/2″	21.3	2.65	49	0.7	**57986**
3/4″	26.9	2.65	65	0.8	**57987**
1″	33.7	3.25	89	1.3	**57988**
1.1/4″	42.4	3.25	115	1.6	**57989**
1.1/2″	48.3	3.25	137	2.4	**57990**
2″	60.3	3.65	200	3.2	**57991**

ROBULL type ME bending segments

Large bending radius (black)

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

ACCESSORIES



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

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

3

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

Bending technology

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

Automatic switch-off when preset bending angle is obtained

Fast batch production possible

Bending of pipes made of various materials possible



Seven-fold drive



Comfortable carry handle



ROBEND 4000 with tripod stand



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ROBEND 4000 E

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

Product profile

APPLICATION AREA

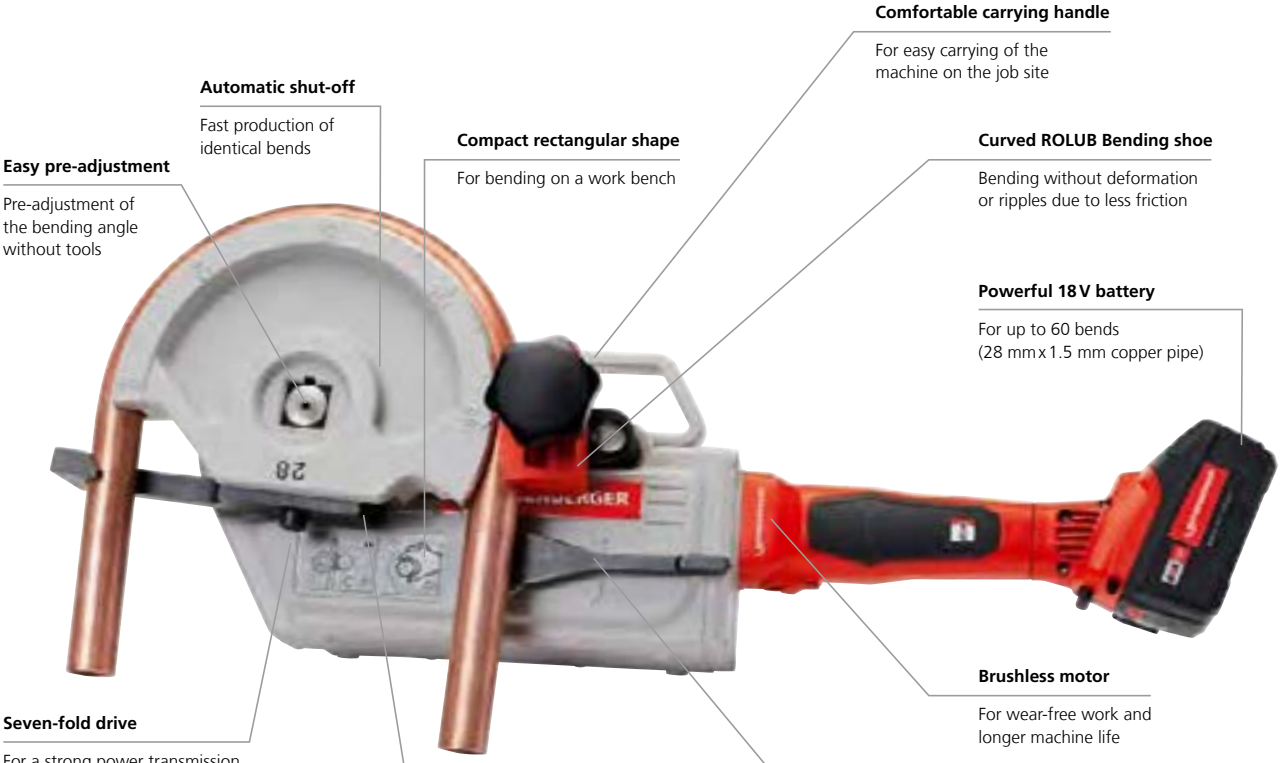
Universal application in sanitary and heating installations, in pipeline construction, refrigeration and air-conditioning systems as well as industrial systems and batch production. Fewer joints means less potential for leaks. Safety implies less likelihood of injury.

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



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ROBEND 4000/4000 E sets

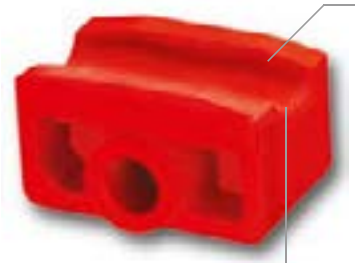
Sets include: basic 230 V unit (No. 1000001559), bending formers and guide shoes for respective pipe diameters, guide shoe axle (No. 25743), adaptor for tripod stand (No. 25748) in basic unit (tripod stand optional), carrying case

230 V

RO SERVICE+ [1]

3

ROLUB-Anti-Block-System!



ROLUB special guide shoe made of high-quality polyamide

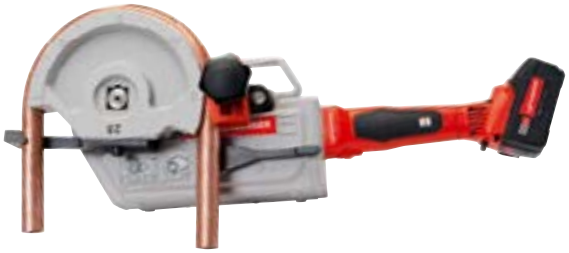
Perfect bending results without friction marks

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, without battery and charger		Cu, Fe et al.	17.45	1000003391
ROBEND 4000 E set with battery, 4.0 Ah 18 V and battery charger	15 - 18 - 22 - 28 mm	Cu, Fe et al.	29.15	1000003392
ROBEND 4000 E set with battery, 4.0 Ah 18 V and battery charger	12 - 14 - 16 - 18 - 22 - 28 mm	Cu, Fe et al.	30.15	1000003393
ROBEND 4000 E set with battery, 4.0 Ah 18 V 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 Charger, 230 V, EU	1000001654
ROBEND carrying case, for 5 segments up to Ø 30 mm	995830200		
Tripod stand, foldable	25748	Pipe cutter	14 - 27
ROBEND carrying case, for 32 mm (1.1/4") and 35 mm (1.3/8")	1000001564	Internal / external deburrer	33

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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 mm	Bending radius 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

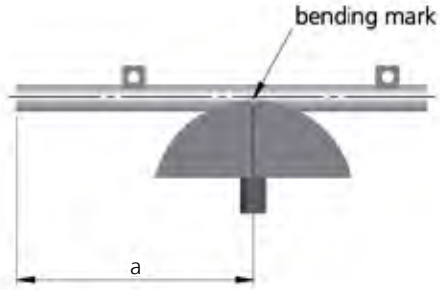
Size	Wall thickness mm	Bending radius mm	kg	No.
12 mm	1.0	42	0.48	25612
14 mm	1.0	49	0.48	25614
15 mm	1.0	52	0.53	25615
16 mm	1.0	56	0.60	25616
18 mm	1.0	72	1.17	25618
20 mm	1.0	80	1.42	25620
22 mm	1.2	88	1.42	25622
28 mm	2.0	112	2.90	25628
32 mm*	2.0	128	3.40	1000001561
35 mm*	2.0	140	3.60	1000001563

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 mm	Bending radius 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



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*

45°- arc



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

90°- arc



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

* 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 tables

Calculation examples TUBE BENDER MAXI

Specifications:

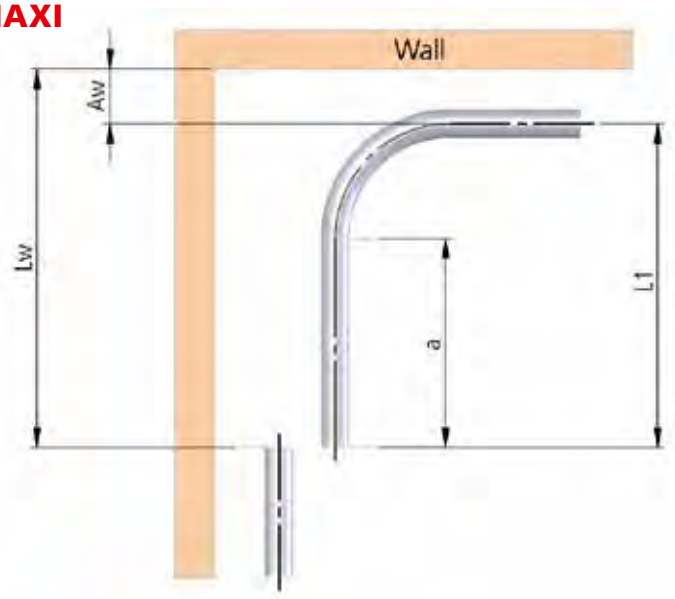
Installation in corner areas
L_W = 1,200 mm
A_W = 30 mm
Pipe-Ø 12 mm, 90°-arc

Sought after:

Leg length L_1
Applied size a

Solution:

Summary from the TUBE BENDER MAXI bending table



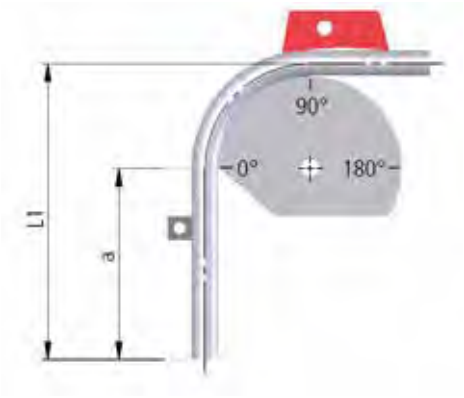
Leg length $L_1 = L_W - A_W = 1,200 - 30 = 1,170$ mm
Applied size $a = L_1 - L_R = 1,170 - 7.5 = 1,162.5$ mm; L_R ... Tabular value

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

TUBE BENDER MAXI		at 45°		at 90°		at 180°
for Ø mm / inch	Bending radius R (mm)	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm	Reserve length 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 mm	Bending radius R (mm)	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm	Reserve length 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	-

Pull bending



Symbols

L_1, L_2	= Leg length
a	= Lay out length
L	= Total length of the pipe piece
L_W	= Distance / pipe end - wall
A_W	= Distance / pipe middle - wall
L_M	= Minimum length*
L_R	= Reserve length*

45°- arc



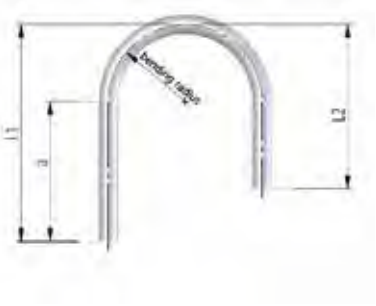
$L = L_1 + L_2$
$a = L_1 - L^R$

90°- arc



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

180°- arc



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

Calculation examples ROBEND 3000/ROBEND 4000/ ROBEND 4000 E

Specifications:

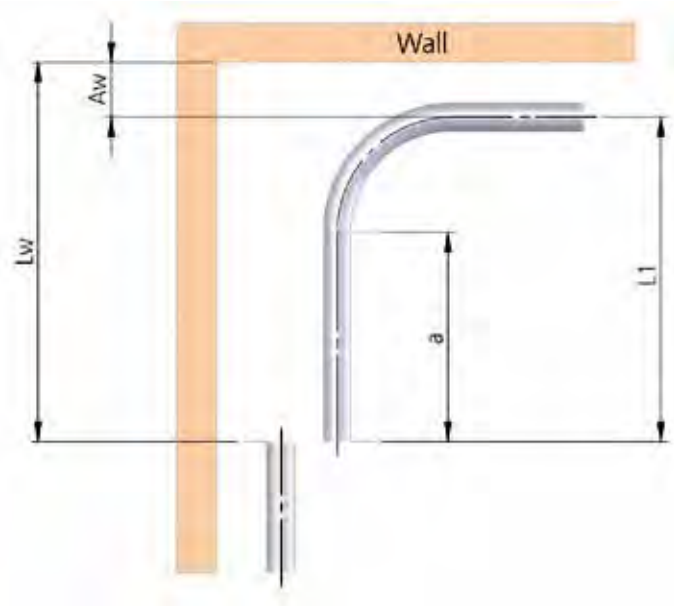
Installation in corner areas
L_W = 1,200 mm
A_W = 30 mm
Pipe-Ø 12 mm, 90°-arc

Sought after:

Leg length L_1
Applied size a

Solution:

Summary from the ROBEND 3000/4000/4000 E bending table



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

* 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 tables

ROBEND H+W Plus		at 45°		at 90°		at 180°	
Ø / Ws mm / Inch	Bending radius R (mm)	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm
8	22	9	-	22	9.5	22	47
10	32	12	-	32	15.0	32	34
12	38	15	-	40	20.0	38	39
14	45	17	-	44	22.0	44	51
15	45	17	-	44	22.0	44	51
16	64	25	-	67	30.0	68	65
18	64	25	-	67	30.0	68	65
20	81	30	-	85	40.0	86	83
22	81	30	-	85	40.0	86	83
5/16″	22	9	-	22	9.5	22	47
3/8″	32	12	-	32	20.0	32	34
1/2″	38	15	-	40	22.0	38	39
5/8″	64	25	-	67	30.0	68	65
3/4″	81	30	-	85	40.0	86	83
7/8″	81	30	-	85	40.0	86	83

MINIBEND		at 45°		at 90°		at 180°	
Ø / Ws mm / Inch	Bending radius R (mm)	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm
6	25.0	10.4	1.0	22.0	10.0	22.0	26.0
8	24.0	9.9	1.0	32.0	15.0	32.0	34.0
10	23.0	9.5	1.0	32.0	15.0	32.0	34.0
1/4″	25.0	10.4	1.0	22.0	10.0	22.0	26.0
5/16″	24.0	9.9	1.0	32.0	15.0	32.0	34.0
3/8″	23.0	9.5	1.0	32.0	15.0	32.0	34.0

Standard bender 180°		at 45°		at 90°		at 180°	
for Ø mm / Inch	Bending radius R (mm)	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm
6	18.0	7.0	0.8	18.5	8.0	18.5	20.0
10	30.0	11.5	1.3	30.5	14.5	30.5	34.0
12	36.0	14.0	1.5	36.5	15.0	36.5	37.5
14	47.5	18.5	2.0	48.5	20.5	48.5	52.5
15	54.0	21.0	2.3	56.0	24.5	56.0	58.0
16	58.0	22.5	2.5	64.0	28.5	64.0	67.0
18	66.0	25.5	2.8	68.0	31.0	68.0	72.0
1/4″	18.0	7.0	0.8	18.5	8.0	18.5	20.0
5/16″	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

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

ROBEND 3000/4000/4000 E			at 45°		at 90°		at 180°	
for Ø mm / Inch	Pipe	Bending radius R (mm)	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm
12		42.0	16	-	42	24	42	68
14	wated	52.5	21	-	53	30	53	87
15		52.5	21	-	53	30	53	87
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


ROTHENBERGER
Power Torque



Expanding, extracting, flaring

System overview	80 - 81
Expanding, manual	82 - 86
Expanding, electric	87
Expanding, hydraulic	88 - 89
Accessories expanding	90
Expanding and extracting, manual	91
Extracting, manual	92 - 93
Accessories extracting, manual	94
Flaring	95 - 98
Torque wrench	99

System overview

Expander

	ROLOCK expander power torque	Expander A0	Step expander A1
			
Operation mode:	Manual	Manual	Manual
Working range: Copper	Ø 8-42 mm (5/16-1.3/4”) ·⊙ 1.6 mm, soft, semi-hard	Ø 22-67 mm (1-2.1/2”) ·⊙ 2.5 mm, soft, semi-hard	Ø 35-108 mm (1.3/8-4.1/8”) ·⊙ 2.5 mm, soft
Working range: Aluminium	Ø 8-28 mm (5/16-1.1/8”) ·⊙ 1.6 mm, soft	Ø 22-67 mm (1-2.1/2”) ·⊙ 2.5 mm, soft, semi-hard	Ø 35-108 mm (1.3/8-4.1/8”) ·⊙ 2.5 mm, soft
Working range: Precision steel	Ø 8-28 mm (5/16-1.1/8”) ·⊙ 1.6 mm, soft	Ø 22-54 mm (1-2.1/8”) ·⊙ 1.5 mm, soft	–
Working range: Stainless steel	Ø 8-22 mm (5/16-7/8”) ·⊙ 1 mm, soft	Ø 22-54 mm (1-2.1/8”) ·⊙ 1.5 mm, soft	–
Page	**82 - 83**	**85**	**87**

	H 600
	
Operation mode:	Hydraulic
Working range: Copper	Ø 8-110 mm (5/16-4.1/4”) ·⊙ 3 mm, soft, semi-hard
Working range: Aluminium	Ø 8-110 mm (5/16-4.1/4”) ·⊙ 3 mm, soft, semi-hard
Working range: Precision steel	Ø 8-110 mm (5/16-4.1/4”) ·⊙ 3 mm, soft, semi-hard
Working range: Stainless steel	Ø 8-110 mm (5/16-4.1/4”) ·⊙ 3 mm, soft, semi-hard
Page	**88**

Expander heads

	Expander head ROLOCK	Expander head standard	Expander head type S	Flanged riveted expander head
				
Working range: Copper	Ø 8-42 mm (5/16-1.3/4") ·⊙ 1.6 mm, soft, semi-hard	Ø 8-42 mm (5/16-1.3/4") ·⊙ 1.6 mm, soft, semi-hard	Ø 22-67 mm (1-2.1/2") ·⊙ 2.5 mm, soft, semi-hard	Ø 15-38 mm ·⊙ 1.5 mm, soft, semi-hard
Working range: Aluminium	Ø 8-28 mm (5/16-1.1/8") ·⊙ 1.6 mm, soft	Ø 8-28 mm (5/16-1.1/8") ·⊙ 1.6 mm, soft	Ø 22-67 mm (1-2.1/2") ·⊙ 2.5 mm, soft	–
Working range: Precision steel	Ø 8-28 mm (5/16-1.1/8") ·⊙ 1.6 mm, soft	Ø 8-28 mm (5/16-1.1/8") ·⊙ 1.6 mm, soft	Ø 22-54 mm (1-2.1/8") ·⊙ 1.5 mm, soft	–
Working range: Stainless steel	Ø 8-22 mm (5/16-7/8") ·⊙ 1 mm, soft	Ø 8-22 mm (5/16-7/8") ·⊙ 1 mm, soft	Ø 22-54 mm (1-2.1/8") ·⊙ 1.5 mm, soft	–
Page	**84**	**84**	**86**	**86**

	Stufen-Expanderkopf
	
Working range: Copper	Ø 35-108 mm (1.3/8-4.1/8") ·⊙ 2,5 mm, soft, semi-hard
Working range: Aluminium	Ø 35-108 mm (1.3/8-4.1/8") ·⊙ 2,5 mm, soft
Working range: Precision steel	–
Working range: Stainless steel	–
Page	**87**

4

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

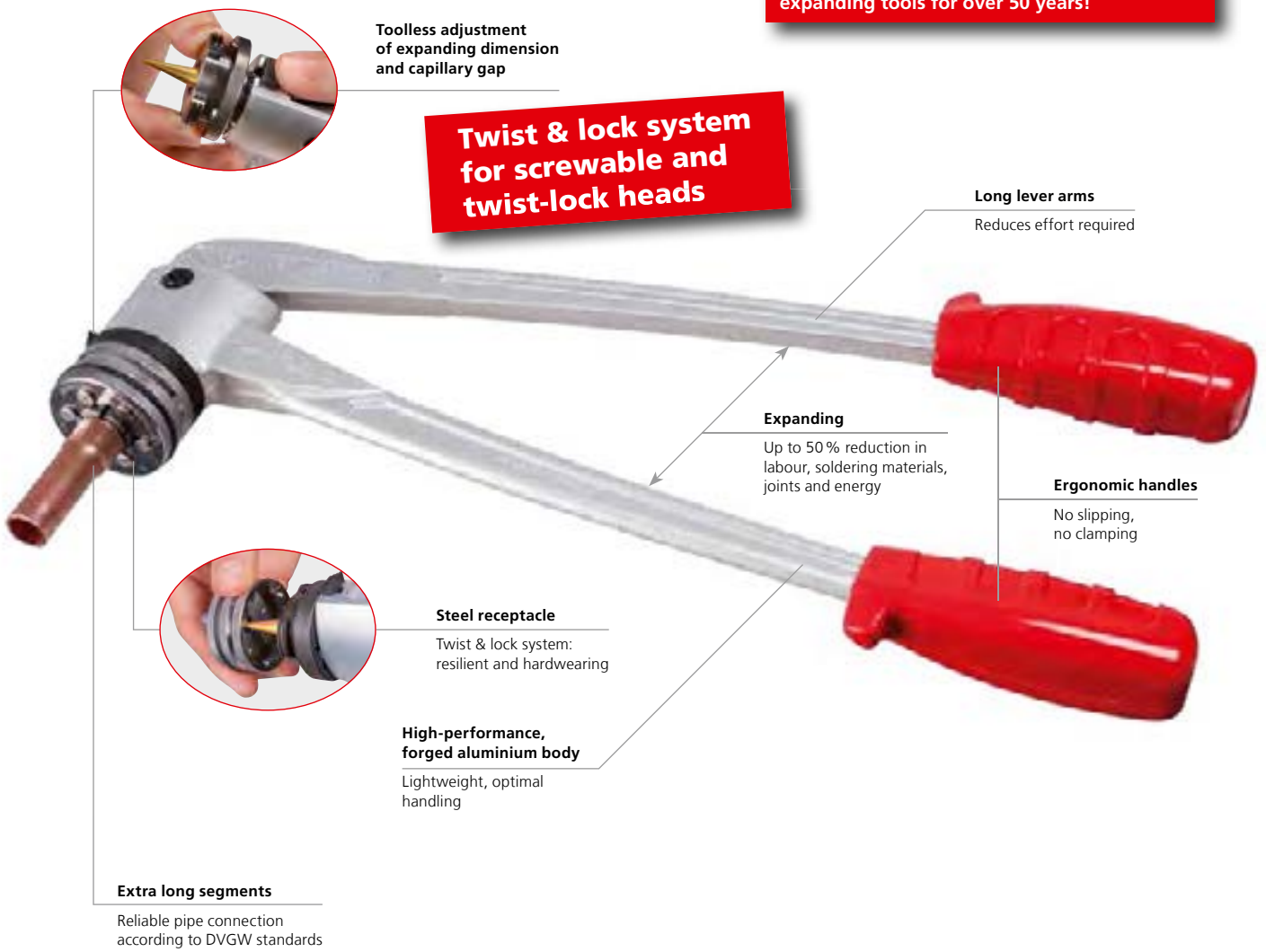
Suitable for pipes made of:

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	kg	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

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



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

Custom-made products*
ROCAM PE-X expander power torque

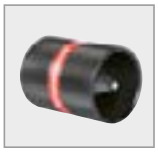
For expanding and calibrating PE-X and aluminium multi-layered composite pipe (MLP) up to Ø 42 mm or 1.3/4″ as well as producing tapers

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	84	Expander adaptor type S	86
Expander heads type S / riveted expander heads	86	Brazing solder	179
Pipe cutter	14 - 27	High-performance torch (SUPER FIRE 4 with MAPP[1] gas)	152 - 153
Internal / external deburrer	33		

* Availability, delivery time and price of custom products for other pipe diameters available on request.
[1] MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden

Expanding, manual

Expander head ROLOCK and standard

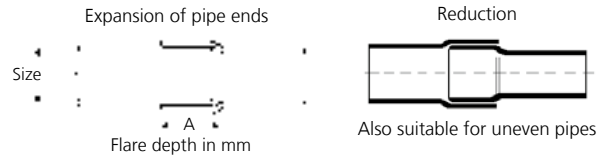
For producing standard precision flares Ø 8 - 42 mm (5/16 - 1.3/4") according to DVGW standards as well as the specifications for the Gas de France

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





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) Cu	Al	Fe	Inox	A mm	g	ROLOCK No.	Standard No.
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) Cu	Al	Fe	Inox	A mm	g	ROLOCK No.	Standard No.
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

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

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

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

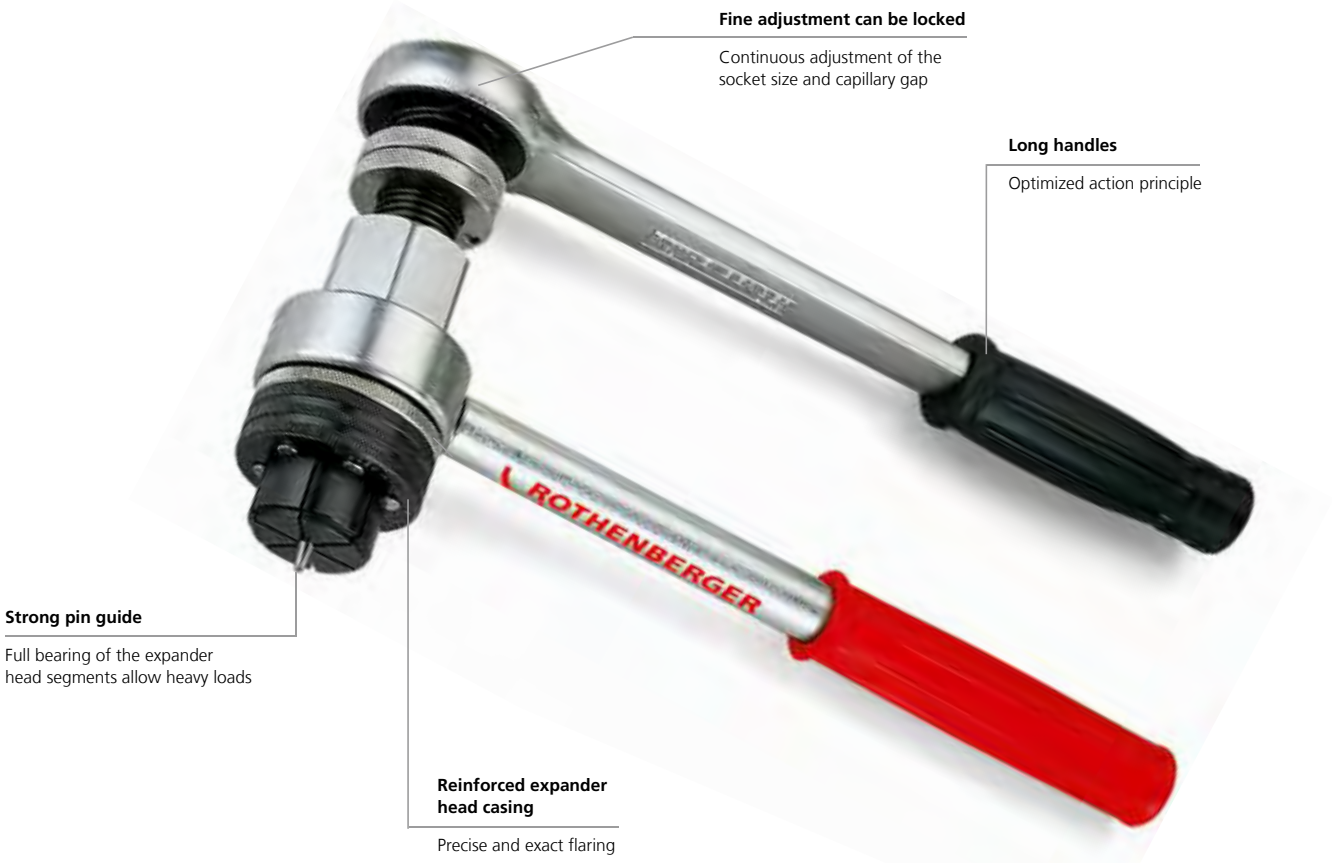




Fig. similar

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

4

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 Cu	Al	Fe	Inox	A-size mm	g	No.
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 Cu	Al	Fe	Inox	A-size mm	g	No.
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

- Air-conditioning technology
- Auto manufacturing
- Industrial applications

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	11086
35 - 42 - 54 - 64 - 76 - 108 mm	3.9	11087
35 - 42 - 54 - 67 - 80 - 104 mm	3.9	11089
1.3/8 - 1.5/8 - 2.1/8 - 2.5/8 - 3.1/8 - 4.1/8"	4.2	11078
1.1/4 - 4"	3.8	11093

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

400 V

RO SERVICE+ [1]

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



On-off switch with control light

Allows set-up and auto-mode

Continuous, accurate and adjustable operating power with set-up and auto-mode

Allows proper, efficient handling of material

Individual modular design

Connections for safety foot pedal, control wires for the expander pistol H 1 and/or H 2 and quick coupling for hydraulic hose

Powerful 400 V / 1200 W drive

Quick expansion of large, thick-walled pipes

Suitable for all types of expander heads

Multi-functional

Fine adjustment of the tube socket size

Industrial quality expansions

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	13100
Hydraulic unit H 600	33.1	13002
Safety foot pedal with 3 m cable	0.5	12013

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

Electro-hydraulic expander pistol H1

Product profile

APPLICATION AREA

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



Adaptor
(No. 12097)

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	**12001**
Adaptor H1 / type S	0.6	**11007**
Adjusting tool for H1	0.9	**12017**



Adjusting tool
(No. 12018)

ACCESSORIES

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

Expander pistol H1
(No. 12001)



Adaptor (No. 11007)

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

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



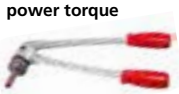
Expander adaptor (No. 11007) for ROCAM expander power torque or expander pistol H1



Expander adaptor (No. 12097) for expander pistol H2

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

Expander head compatibility

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

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

ROLOCK COMBI KIT expander / 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")

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, 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

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





No. 21583 /
No. 21575



No. 22080



Fig. similar

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

4

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



Extractor cam pincer

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



No. 27180

Optimum capillary gap

Professional extractions

Limits the insertion depth

Optimal positioning

No pipe removal

Extractions even on installed pipes possible

UNIDRILL Automatic 28/42

Accurate drilling



No. 21583 / No. 21575



Fig. similar

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

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

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





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

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

⬢ hexagon ■ square

mm / inch	mm	Drill Ø mm	mm	g	No.
1"	2.5	14	11	470	22064
1.1/8"	2.5	15	11	480	22065
1.1/4"	2.5	19	11	700	22066
1.3/8"	2.5	22	11	700	22035
1.1/2"	2.5	22	11	700	22038
1.5/8"	2.5	26	11	900	22068
2"	2.5	30	19 ■	1,380	22050
2.1/8"	2.5	30	19 ■	1,380	22054
Accessories					
Socket 19 mm					F80053
Square connection 3/4"					F80054

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

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

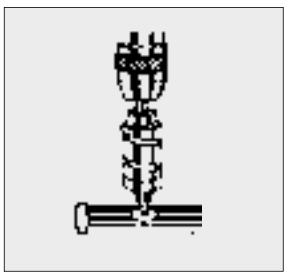
Spare extractor hooks

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

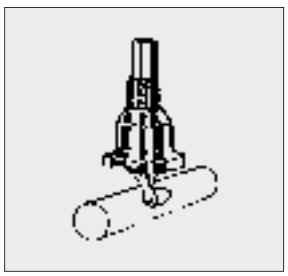


Note: For copper pipes (soft), the use of an extractor support is recommended! (94)

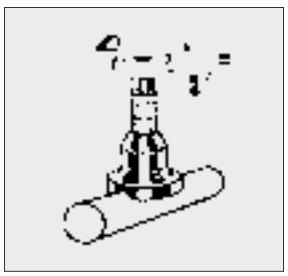
Precise drilling of the pipe without a centre punch – drill stop prevents perforation of the pipe



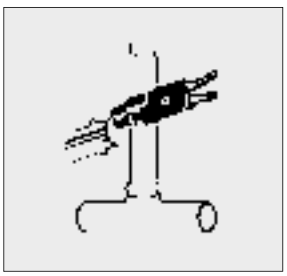
Insert extractor hook into the drilled hole and screw the bell firmly against the drill hole



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.

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	27180
50 - 54 mm, 2 - 2.1/8″	3/4″ ■	1,140	27181

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	22080

UNIDRILL Automatic 28/42

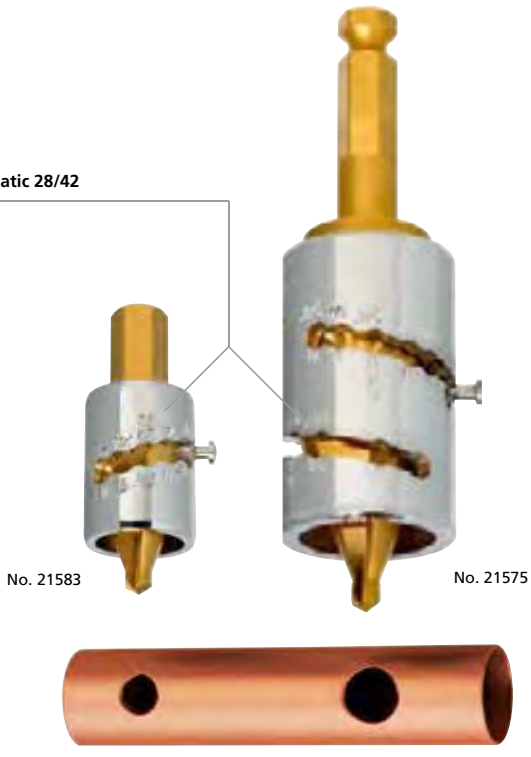
HSS special conical drill

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	21583
UNIDRILL 42	10 - 42	3/8 - 1.5/8″	11	430	21575

Precision double flaring press DB 10

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

Product profile

APPLICATION AREA

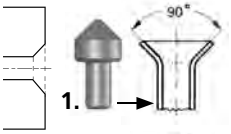
On copper, aluminium and steel pipes, seamless pipes and double-walled pipes, for example Bundy pipe and KUNIFER brake pipes

KEY FEATURES

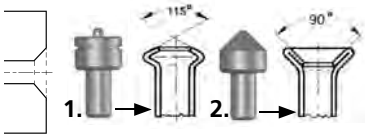
- Ideal for endless pipes
- For several flaring profiles, wall thickness 0.7 - 1.0 mm
- Universal use with the pluggable pressure cone
- Accurate and reproducible results
- Clamping block for several pipe diameters
- Reliable hold with the 25 mm pipe clamping length
- Suitable for clamping in a vice

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

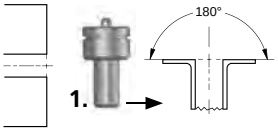
E- contour, simple flare:
- Standard flaring contour



D-contour, double flare:
- Extension of brake and/or hydraulic lines
- Connection by means of coupling rings, sealed by means of flaring surface



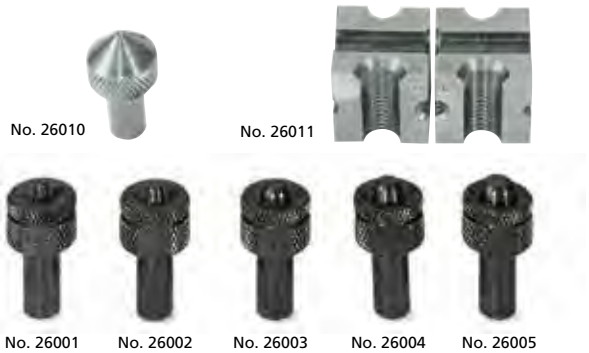
180° flares:
- Mounting using coupling ring, for example hydraulic transmission valve and/or distributor block
- Seal between drill-hole and flaring surface







No. 26016 No. 26015 No. 26017



No. 26010 No. 26011

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

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

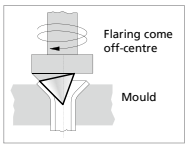
Description	mm	kg	No.
DB 10 set	4.75 - 5 - 6 - 8 - 9 - 10 mm	2.64	26013
Flaring attachment	4.75 / 5 mm	0.20	26001
Flaring attachment	6 mm	0.20	26002
Flaring attachment	8 mm	0.20	26003
Flaring attachment	9 mm	0.20	26004
Flaring attachment	10 mm	0.20	26005

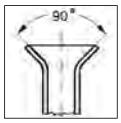
Description	mm	g	No.
Pressure cone		20	26010
Clamping spindle		90	26015
Flaring spindle		300	26016
Distance bolt		30	26017
Set of clamping blocks (2 pcs.) for pipes	4.75 - 5 - 6 - 8 - 9 - 10 mm	190	26011

ROFLARE REVOLVER

Revolver reeling flaring tool

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



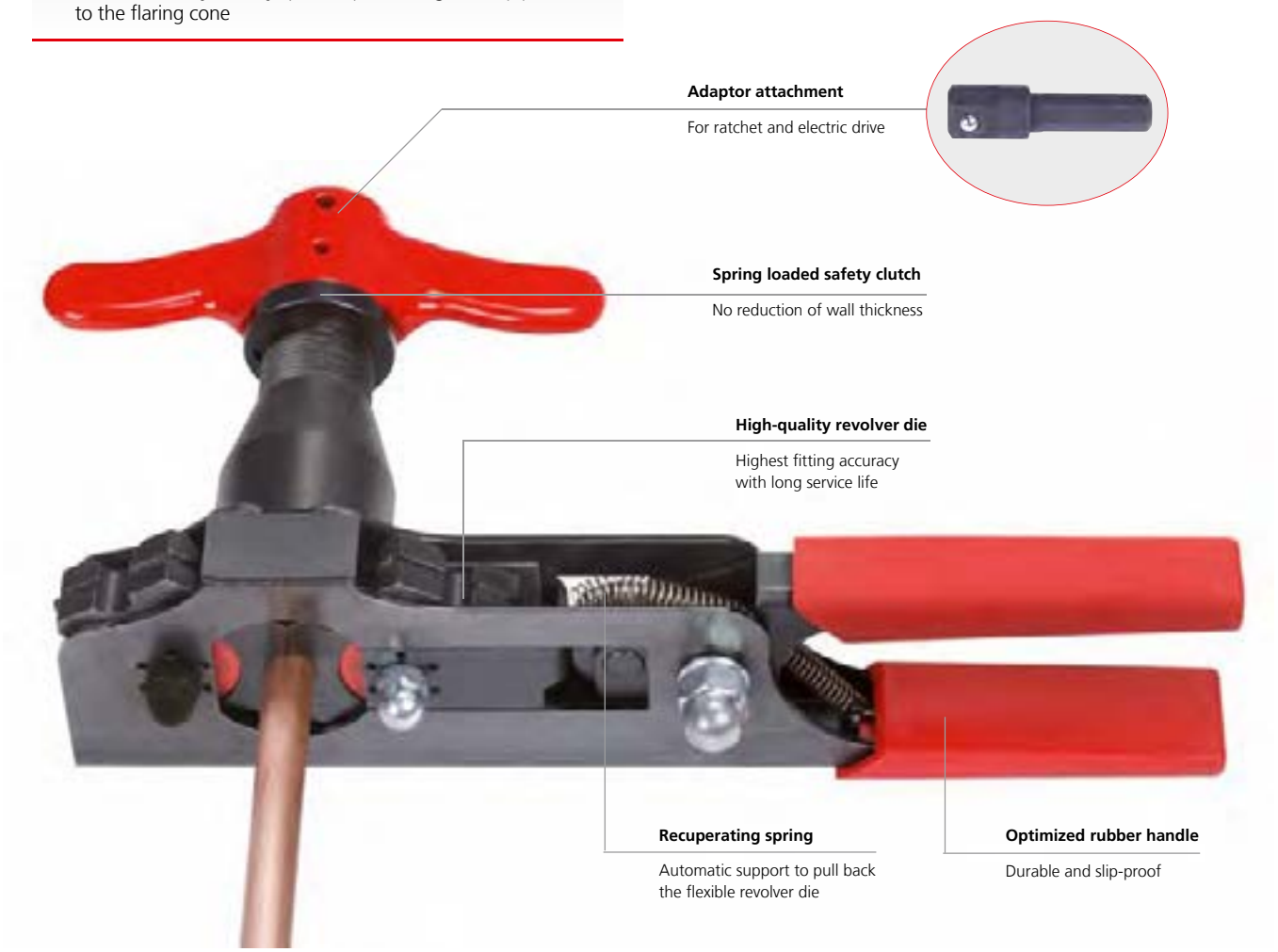


E-contour single flare

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



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

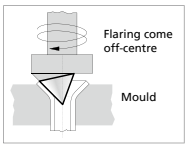


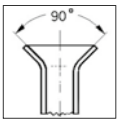
Automatic depth stop: perfect positioning of the pipe to the flare cone



Reeling flaring tool

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





E-contour single flare

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

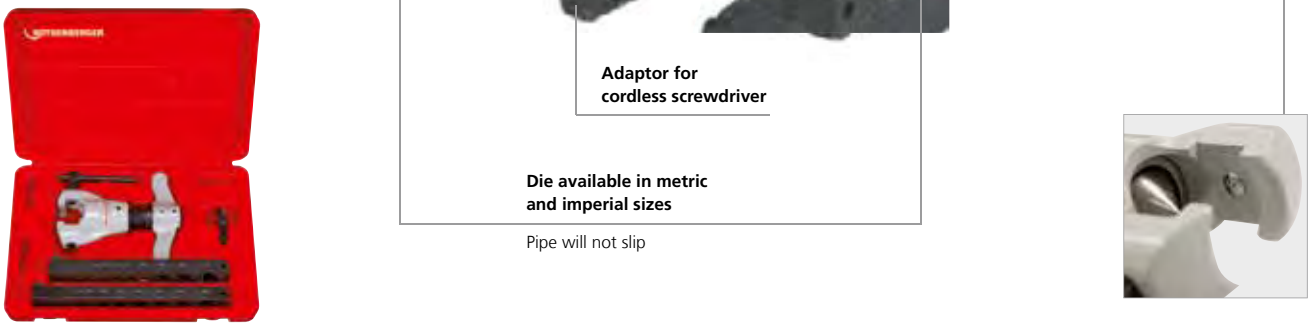


Fig. similar

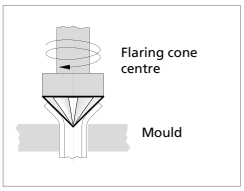
Reeling flaring tool set includes: reeling flaring tool in plastic case with mould in metric and/or imperial format

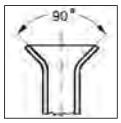
Model	mm / inch	No.
Set EB	6 - 8 - 10 - 12 - 14 - 15 - 16 - 18 mm	222401
	1/8 - 3/16 - 1/4 - 5/16 - 3/8 - 1/2 - 5/8 - 3/4"	
Set EB	1/8 - 3/16 - 1/4 - 5/16 - 3/8 - 1/2 - 5/8 - 3/4"	222402
Set EB	6 - 8 - 10 - 12 - 14 - 15 - 16 - 18 mm	222403
Dies		
Metric	6 - 8 - 10 - 12 - 14 - 15 - 16 - 18 mm	222413
Imperial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

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





E-contour single flare



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

Model	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**

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

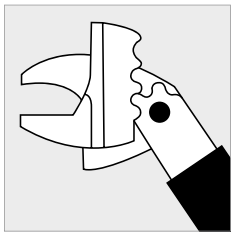
All-In-One: one head fits all sizes!



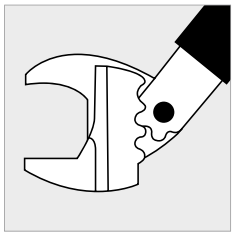
The torque can be read off

Always tighten according to the standard

Closed head



Fully opened head



ROTORQUE sets include: torque wrench, head, carrying bag

Model	kg	No.
ROTORQUE AIRCON	1.5	1000000224
ROTORQUE REFRIGERATION	1.4	1000000225

ROTORQUE AIRCON torque wrench

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

ROTORQUE REFRIGERATION torque wrench

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



Fig. ROTORQUE AIRCON torque wrench



Fig. ROTORQUE REFRIGERATION torque wrench

Torque wrench set

For proper tightening of flange connections

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

DIN -Norm

Fix with torque urgently necessary!



Fig. similar

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


ROTHENBERGER



Pressing

System overview	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

System overview

5

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:	✓	✓	–	–
Page:	104 - 105	108 - 109	110	111

RO SERVICE+ [1]

CAS [2]

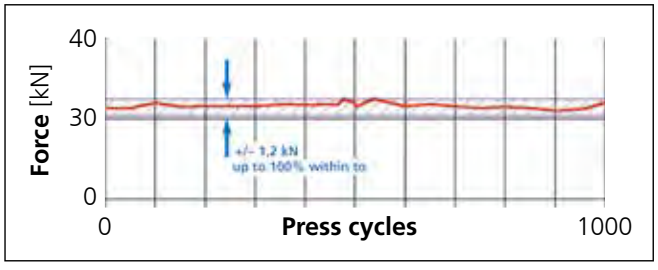
ROTHENBERGER Constant Force Technology

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



ROTHENBERGER CFT TECHNOLOGY

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.

CAS CORDLESS ALLIANCE SYSTEM [2]

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2] More information at cordless-alliance-system.com

Press jaws / Press chains / Press rings



	Press jaws compact	Interchangeable press jaws compact	Press jaws standard	3-elemental press jaws	Press 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:	✓	–	✓	–	–	✓
Suiteable 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
Page:	113	114	114	115	116	106

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

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

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



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.



[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

[2] More information at cordless-alliance-system.com

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

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






Conex Bänninger ›B‹ MaxiPro press system

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.

DURA LAZR TEC LASER HARDENING

RO CASE

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



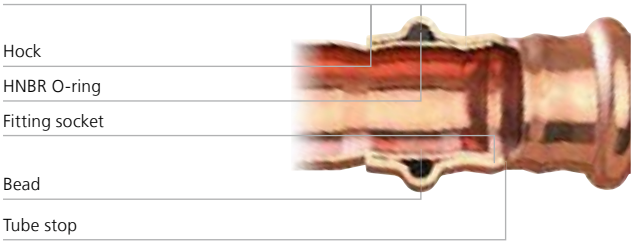


TECHNICAL DATA

Application:	Air-conditioning and refrigeration
Connections:	Copper to copper
Fitting / tube range:	1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1.1/8"
O-ring:	HNBR
Max. operating pressure:	48 bar / 4,800 kPa / 700 psig
Leak tightness:	Helium ≤ 7.5 x 10^{-7} Pa.m^3/s at +20 °C, 10 bar
Vacuum:	200 microns
Operating temperature:	-40 °C up to 140 °C
UL listing continues operating temperature:	121 °C
Compatible refrigerants:	R32, R134a, R404A, R407C, R407F, R410A, R507, R1234ze, R1234yf, R718, R450A, R513A, R448A, R449A, R407A, R427A, R438A, R417A and R422D
Approved tube:	For full information, please visit conexbanninger.com
Approvals, standards and test compliance:	For full information, please visit 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



Set (No. 1000002121) includes: ROMAX Compact TT press machine, 1x RO BP 18 V/2.0 Ah 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 ROCASE 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**

* More information at conexbanninger.com

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

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 BC14/36, battery charger, EU		1000001654
RO BC14/36, battery charger, UK		1000001691
ROCASE 4414 case system for compact press jaws		1000001786
ROCASE 4414 case system for standard press jaws		1000001898
TUBE CUTTER 35 DURAMAG	4	70027
Internal / external deburrer Ø 6–35 mm		1500000237
UNIGRAT pencil deburrer with HSS deburring blade	10	21660
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

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

Fast and powerful pressings
Pressed in 5 seconds with 32 - 34 kN

Lightweight
The machine weighs only 3.6 kg



Rod-shape
Perfectly balanced weight distribution enables users to work comfortably

Automatic controlled press cycles
Piston retracts after reaching the necessary pressing force

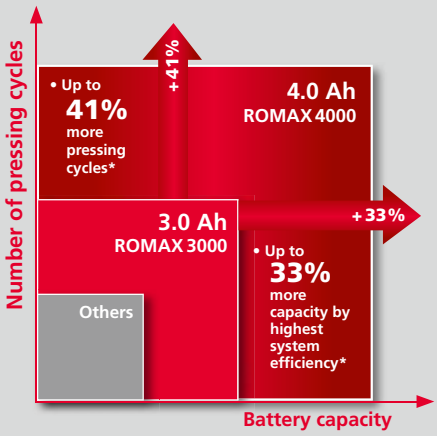
270° rotatable press jaw fixture
For easy operation even in confined spaces

Up to 41% more pressing cycles*

Constant Force Technology (CFT)
For constant axial pressing force

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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

[2] More information at 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	1000002683
ROMAX 4000 basic set 1, 1x 4.0 Ah, EU	without press jaws	7.0	1000001840
ROMAX 4000 basic set 1, 1x 4.0 Ah, UK	without press jaws	7.0	1000001856
ROMAX 4000 basic set 2, 1x 4.0 Ah, 1x 2.0 Ah, EU	without press jaws	8.0	1000001923
ROMAX 4000 press jaw set SV, 1x 4.0 Ah, EU	15 - 22 - 28	15.0	1000001924
ROMAX 4000 press jaw set M, 1x 4.0 Ah, EU	15 - 22 - 28	15.0	1000001927
ROMAX 4000 press jaw set M, 1x 4.0 Ah, UK	15 - 22 - 28	15.0	1000001932
ROMAX 4000 press jaw set TH, 1x 4.0 Ah, EU	16 - 20 - 26	15.0	1000001925
ROMAX 4000 press jaw set U, 1x 4.0 Ah, EU	16 - 20 - 25	15.0	1000001926

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 BC14/36, battery charger, EU	1000001654
RO BC14/36, battery charger, UK	1000001691
ROCASE 6414, empty	1000001879

Press jaws & press chains starting on 116









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

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

COMPATIBLE PRESSING TOOLS

Press jaws:	ROTHENBERGER standard press jaws, compatible with many other manufacturers starting page 112
Press chains:	ROTHENBERGER standard press chains starting on page 114



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

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

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

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

COMPATIBLE PRESSING TOOLS

Press jaws:	ROTHENBERGER standard press jaws, compatible with many other manufacturers starting on page 112
Press chains:	ROTHENBERGER standard press chains starting on page 114

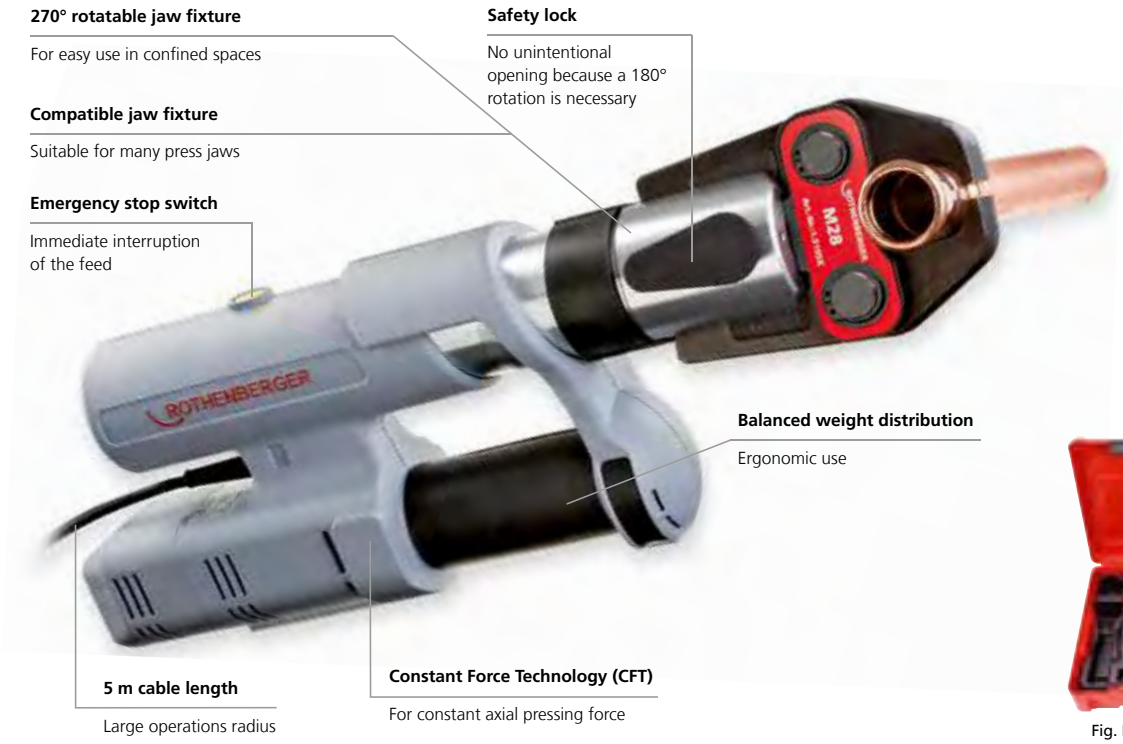




Fig. ROMAX AC ECO basic set

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	15705
ROMAX AC ECO press jaw set SV	Basic set with press jaws type SV (Viega et al.)	15 - 22 - 28	13.4	15740
ROMAX AC ECO press jaw set M	Basic set with press jaws type M (Mapress et al.)	15 - 22 - 28	13.4	15750
ROMAX AC ECO press jaw set TH	Basic set with press jaws type TH (Henco et al.)	16 - 20 - 26	13.4	15730
ROMAX AC ECO press jaw set U	Basic set with press jaws type U (UNICOR et al.)	16 - 20 - 25	13.4	15760

ACCESSORIES

Model	No.
ROCASE 6414 with inlay ROMAX AC ECO	1000001959
Press jaws & press chains starting on 📖 **116**	



[1)] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2)] 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 precission 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

DURA LAZR TEC LASER HARDENING



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

* in comparison to previous models

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

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

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[1)]	16, 20, 25, 32	14849	Interchangeable press jaw compact	w/o inserts	1000002134
Interchangeable inserts compact set, U[1)]	16, 20, 25, 32	14869	Interchangeable press jaw + set, RFz	12, 16, 20	1000002135
Interchangeable inserts compact set, TH[1)]	16, 20, 26, 32	14895	Interchangeable press jaw + set, CO	12, 16, 20	1000002136

[1)] Can only be used with interchangeable press jaw No. 1000002134 (sucessor 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.

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

DURA LAZR TEC

100% more press cycles with laser hardening*

Precision-manufactured contours

For optimum and reliable pressings

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



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

ROCASE starting on 335

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).

Precision-manufactured contours

For optimum and reliable pressings

Clamping technology

Self-clamping press chain

DURA LAZR TEC

100% more press cycles with laser hardening*

3 segments

- For an optimum force distribution on the fitting
- Two flexible elements for an optimal material flow on the fitting



Fig. press chain SV54

Batch numbering and individual testing

Secures the high-quality standard of material and press contour

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



Fig. intermediate jaw ZBS1

Long-term corrosion protection

Optimum for heavy-duty field operation

3-bolt synchronised mechanism

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

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



Closing the press chain



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

* in comparison to previous models

Overview press jaws

System	Nominal size	Press jaws compact	Interchangeable insert compact Use only in combination with interchangeable jaws (No. 1000002134)	Press jaws standard	Press chains standard Only to be used with intermediate jaw ZBS1 (No. 1000001126) for SV, M, Ø 42–54 mm
A	**Metal / NE-Metal**				
	A1/2″	—	—	015222X	—
	A3/4″	—	—	015223X	—
	A1″	—	—	015224X	—
	A11/4″	—	—	015225X	—
	A11/2″	—	—	015226X	—
	A2″	—	—	015227X	—
M	M12	015151X	—	015101X	—
	M15	015152X	—	015102X	—
	M18	015153X	—	015103X	—
	M22	015154X	—	015104X	—
	M28	015155X	—	015105X	—
	M35	1000002267	—	015106X	—
	M42	—	—	1000001273	1000001391
	M54	—	—	1000001274	1000001392
V/SV	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
R(H)	**PEX / Multilayer**				
	R12	—	14863	015339X	—
	R14	015370X	—	015330X	—
	R16	015371X	14865	015331X	—
	R17	015378X	—	015333X	—
	R18	015379X	—	015334X	—
	R20	015374X	14868	015335X	—
	R25	015380X	—	015338X	—
	R26	015376X	14708	015336X	—
	R32	015377X	—	015337X	—
RFz	RFz12	—	14822	1000000173	—
	RFz16	015180X	14823	015161X	—
	RFz18		1000000124	—	—
	RFz20	015181X	14824	015162X	—
	RFz25	015182X	14825	015163X	—
	RFz26		1000000125	—	—
	RFz32	015183X	14826	015164X	—
TH	TH14	015395X	14708	015321X	—
	TH16	015385X	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	—
THG	THG32	1000000236	—	1000000235	—
THT	THT32	015393H	—	015329X	—

For more information visit rothenberger.com

Overview press jaws / Pressnavigator app

System	Nominal size	Press jaws compact	Interchangeable insert compact Use only in combination with interchangeable jaws (No. 1000002134)	Press jaws standard	Press chains standard Only to be used with intermediate jaw ZBS1 (No. 1000001126) for SV, M, TH Ø 40, 42, 50, 63 mm
U			**PEX / Multi-layer**		
	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	—	—	—	—
RC	RC26	015277X	14837	015271X	—
VP	VP14	015530X	14882	015230X	—
	VP16	015531X	14883	015231X	—
	VP20	015532X	14884	015232X	—
	VP25	015533X	14885	015233X	—
	VP32	015534X	14886	015234X	—
BE	BE16	015291X	—	015392X	—
	BE20	015292X	—	015394X	—
	BE26	015293X	—	015396X	—
	BE32	015294X	—	015397X	—
CO	CO12	—	14852	—	—
	CO16	—	14853	—	—
	CO20	—	14854	—	—
	CO25	—	14855	—	—
G	G16	015362X	—	015302X	—
	G20	015364X	—	015304X	—
	G26	015366X	—	015306X	—
	G32	015367X	—	015307X	—
	G40	015368X	—	015308X	—
HA	HA16	015580X	—	015280X	—
	HA20	015581X	—	015281X	—
	HA26	015582X	—	015282X	—
	HA32	015583X	—	015283X	—
	HA40	—	—	015284X	—

For more information visit rothenberger.com

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.





iTunes

Google Play

	Nennweite	Pressbacken Compact	Pressbacken Standard	Wechseleinsätze Compact No. nur in Verbindung mit Wechselpressbacke (No. 1000002134) einsetzbar	Anpro EN Series Stainless Steel, Carbon Steel	APE Raccordi a pressare	Bampi BALPEX (Serie MP)	Bampi BALPEX Gas	Blansol Sistema Easypress	Blansol Sistema Multipex	Bonomi Group Turbo Press, Turbo Press Gas	Broen Ballofix Pres	Chibro Adduzione / Gas, Como Galvinized	Chibro Cunipress, Riscaldamento	CIMBERIO SpA Cimpress	CO.E.S. Coesklima	COMAP, Skin Press	Comisa Multi layer pipe	Conex Bänninger »B« Press Gas, Solar	Conex Bänninger »B« Press, »B« Press INOX	DALPEX LaserMulti Dalpex	Emmeti Gerpex	EMPUR PEXPRESS	Eurotherm, MULTIST-RATO, Euro 2000
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				●			●	●						●	●			●			
THG	THG32	1000000236	1000000235																					
THT	THT32	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																				

Die nachfolgenden Freigabetabellen entsprechen dem Stand bei Redaktionsschluss. Die ROTHENBERGER Pressnavigator App für Ihr Smartphone eine einzigartige Möglichkeit aktuelle Freigaben zu finden. ROTHENBERGER bietet Pressbacken für viele am Markt angebotene Pressfitting-/Rohr-Systeme an. Die Presskontur des jeweiligen Systems ermöglicht eine systemkonforme und sichere Verpressung.

Pressing

Overview system approvals

	Nominal size	Press jaws compact	Press jaws standard	Interchangeable insert compact 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+S	GAROS	Geberit Mapress Gas	Geberit Mapress Stainless	Geberit Mapress Copper Carbon steel	Geberit Mepla	Giacomini Giacoflex, Goaco Therm	HAKA, Fimisol, HAKAP-RES, HAKA, GERODUR	Harden 2000, Polypex 2000	Henco PVDF	Herz pipefix	HIDROTEC KLIMATEC	Hitec Sistema, Multis-trato	IBP ›B‹ 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								●										●			
THG	THG32	1000000236	1000000235														●							
THT	THT32	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						●														

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 Use only in combination with interchangeable jaws (No. 1000002134)	IBP ›B‹ Press, ›B‹ Press Gas	IPA, IPANA-PRES	IPALPEX	IVAR MP / PMP	Jaraflex-presssystem	Jupiter, Heizsysteme	KE KELIT KELOX	KOHLER, InoxPress	LAVAGRUND, LAVAPRESS	Mair Heiztechnik, Gomafix	Mark KG, polymark	MEGARO HAKAPRESS	MULTITHERM PRESSSYSTEM	Multitubo Giacomini	NEUTHERM, MEKUPRESS	Nupi MultiNupi	Nussbaum Cupress, Optipress	Nussbaum CupressG	Nussbaum, Optiflex Plus	Oventrop, Cofit
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			●	●		●				●											
THG	THG32	1000000236	1000000235															●						
THT	THT32	015393H	015329X				●																	
U	U14	015351X	015311X	14832																				
	U16	015352X	015312X	14833				●		●	●										●			
	U18	015353X	015313X	14844				●													●			
	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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Pressing

Overview system approvals



	Nominal size	Press jaws compact	Press jaws standard	Interchangeable insert compact Only in combination with interchangeable jaws (No. 1000002134)	PIPELIFE RADOPRESS	POLYSAN Press-System	Prandelli, MULTYRAMA	Raccorderie Metalliche Inoxpress, Steelpress	Raccorderie Metalliche Aespres	Raccorderie Metalliche, Inoxpress Gas	RIQUIERA A SERTIR	ROTH SISTEMA ROTHA-PRESS	Roth-Roth Rohrinstallationssysteme	Roth Alu-Laserplus	Sanha 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
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	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			●						●	●							●			
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		●	●								●									●		●
THG	THG32	1000000236	1000000235																						
THT	THT32	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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Overview system approvals

	Nominal size	Press jaws compact	Press jaws standard	Interchangeable insert compact Only in combination with interchangeable jaws (No. 1000002134)	TIEMME, SERIE PA / PG	Tradesa Serie 700	Ulrich VARIOFLEX HAKA-PRESS,	UPONOR UNIPIPE, UNICORE, Airpipe	UPONOR SPress Plus	Valsir PEXAL	Vescal, 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 Alupex / Blue	WEFA PLASTIC, WEFA PRESS	Winkler	WKS-Press
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	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			●			●														●	
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													●			●					●	●
THG	THG32	1000000236	1000000235																						
THT	THT32	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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Threading & grooving

System overview	126 - 127
Threading manual	128 - 131
Threading electric	132 - 144
Accessories threading	145
Roll grooving	146 - 147

System overview

Threader manual

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

Threader electric

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

6

[1] More information at cordless-alliance-system.com

Threader stationary

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

Roll grooving machines

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

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

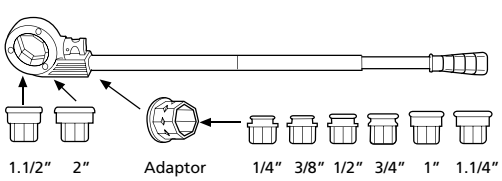


With ratchet handle 1/4" - 2" the attachment of the 1/4" - 1.1/4" die head results with the use of the adaptor (No. 600011500)



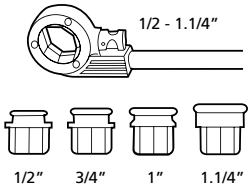
Monoblock - adaptor (No. 600011500)





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)



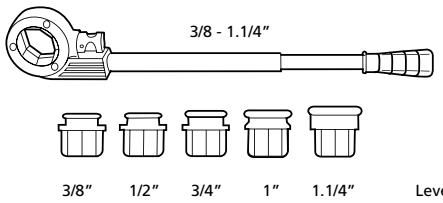
Lever arm No. 6240021



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)



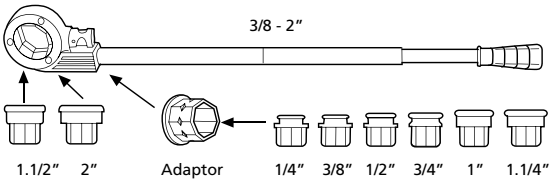
Lever arm No. 6000021



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)



Lever arm No. 6010121



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



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

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

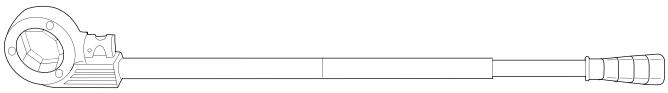
Model	kg	No.
SANI KIT tool set	8.2	**70600**

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**



Ratchet handle
No. 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**



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

Threading speed:	15 - 20 rpm
Rapid reverse speed:	27 rpm
Performance:	800 W
Current:	230 / 110 V
Weight:	4.9 kg
Dimensions:	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



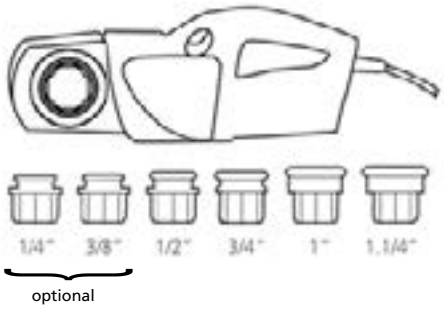
1) Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

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



optional

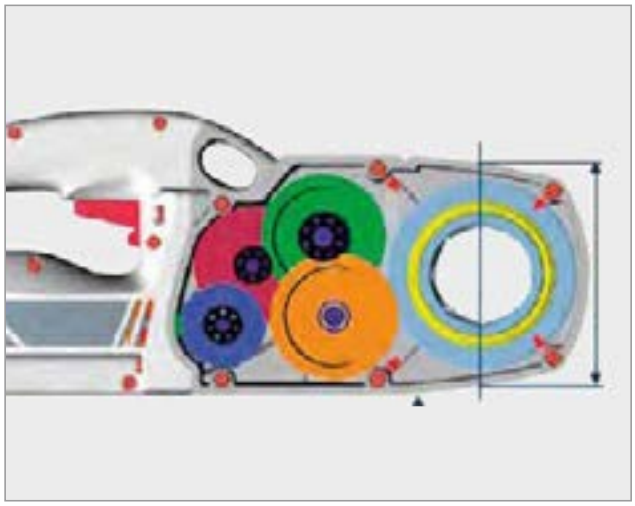
Small – Fast – Light



Fig. SUPERTRONIC 1250 set (No. 71450)

Model	Description	kg	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



SUPERTRONIC 2000

Power threader Ø 1/4 – 2″

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

230 V | 110 V | RO SERVICE+ [1]

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



Performance: 1,010 W!

Easy insertion of the die heads



Use with roll grooving tool ROGROOVER



ROFIX adaptor (No. 71271)



High reduction gears



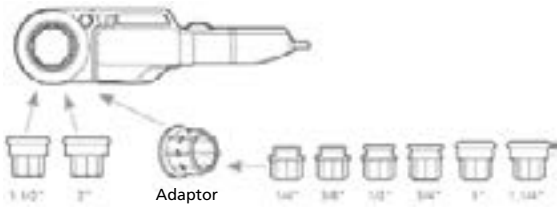
[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

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!







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



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 heat cutting head mounting
- Ideal for hard-to-reach places (corners, shafts)
- Secure hold in both directions of rotation due to hardened, prism toothed counterholder
- Easy to maintain thanks to permanent lubrication and brushless motor

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



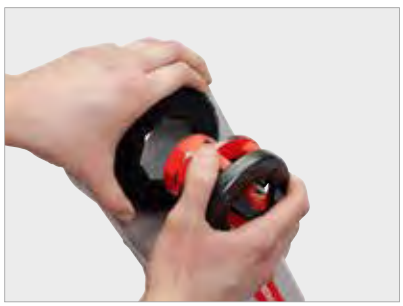
Powerful 18V battery
For cutting up to 8 threads (2" BSPT) with only one battery load (Li-Power 18V/4.0Ah)

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

DuraEasyCut
Optimized geometry for reduced effort of up to 20% for person and machine

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

Easy insertion of the die head with tension locking ring



Compatible with with rolling groover ROGROOVER 1-6"



Work in confined spaces



[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2] More information at cordless-alliance-system.com

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!

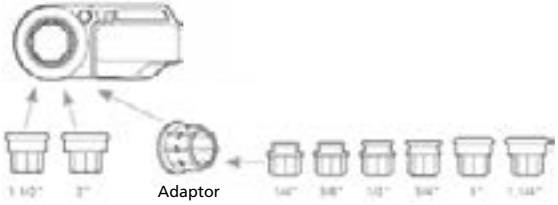


No. 1000003387

Pipe clamp



Hand roll groover 1 - 12" p. 146



Adaptor

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, 4.0 Ah 18 V 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, 4.0 Ah 18 V Li-HD battery	0.59	1000002548
RO BP18/8, 8.0 Ah 18 V 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









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

6

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.
1/4″	070821X
3/8″	070822X
1/2″	070823X
3/4″	070824X
1″	070825X
1.1/4″	070826X
1.1/2″	070842X
2″	070843X

NPT	No.
3/8″	070908X
1/2″	070912X
3/4″	070913X
1″	070914X
1.1/4″	070915X
1.1/2″	070849X
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.
1/4″	070831X
3/8″	070832X
1/2″	070833X
3/4″	070834X
1″	070835X
1.1/4″	070836X
1.1/2″	070869X
2″	070870X

NPT	No.
3/8″	070917X
1/2″	070918X
3/4″	070919X
1″	070920X
1.1/4″	070921X
1.1/2″	070945X
2″	070946X

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

RONOL SYN

High-performance cutting fluid

DVGW

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

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

230 V | 110 V | RO SERVICE+ [1]

Product profile

APPLICATION AREA

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

For threading of:

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

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

Performance:	1,150 W
Speed:	40 rpm
Weight:	68 kg
Dimensions (L x W x H):	535 x 430 x 340 mm

6

Pre- and post-processing of pipes

Self-centering pipe cutter

Precise cuts

Internal deburrer, snap in, 3-blade

Burr-free work

Impact hammer chuck with maximal clamping-force

No pipe slippage

Self-centering rear chuck

Quick and precise alignment of the pipe

Original RIDGID[2] threading dies can optionally be used!



Easy to maintain machine design

Motor double insulated in accordance with VDE

Safe operation

Stable high torque motor

Constant power transferral

Off-set spindle lubrication

Easy maintenance

Machine slightly angled

Reduced oil consumption, oil coating in pipe interior is avoided

Geared oil pump with filter system and adjustable fluid qualities

Constant oil flow quantities

Large plastic shavings collection trough

Easy to clean

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2] RIDGID is a registered trade mark of the Emerson Electric Co., St. Louis, USA

ROPOWER 50 R

Set includes: ROPOWER 50 R, automatic die head 1/2" - 2"(No. 56052), SS dies BSPT 1/2"- 3/4" (No. 056370X), 1" - 2"(No. 056371X), safety foot switch (No. 56335), collapsible stand (No. 56051), tool

Die head type R

Automatic die head with integrated oil feed

Long life of the die heads

Optimal lubrication and cooling of the die heads

Long life of the die heads

Transportation frame

(Included in delivery)

Carriage with storage space and a mount for the foot switch

Clearly arranged work



Collapsible undercarriage

Comfortable transport

With 2 plastic wheels

High mobility

Safety foot switch (No. 56335)

Increased safety

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	56050
BSPT R 1/2 - 3/4", 1-2"	110 V	88.5	56045
BSPP R 1/2 - 3/4", 1-2"	230 V	88.5	56057
Collapsible stand ROPOWER 50 R		19.2	56051
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	70074
Supporting bolt for transport frame (4 pcs.)		0.7	56049
Supporting legs (4 pcs.)		5.0	56488

ACCESSORIES

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







SUPERTRONIC 2 SE / 3 SE / 4 SE

Compact threader Ø 1/4 - 4"

Reliable and proven for constant professional use

230 V | 110 V | RO SERVICE+ [1]

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:

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

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!

Internal deburrer, snap in, 3-blade

Burr-free work



Smooth action impact hammer chuck with maximal clamping force

No pipe slippage

Self-centering rear chuck

Axial alignment of the pipe

Working spindle with closed bearings on both sides

Low-wear and precise guiding

Modular system concept

Universal die head adaptor, optional in standard or automatic models

Dual-sided tool guide sled

Precise guiding of the die head

Tool / guide sled propulsiont via turnstile

Finely controlled propulsion

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

Optimal lubrication and cooling

Large shavings collection trough made of plastic

Easy to clean

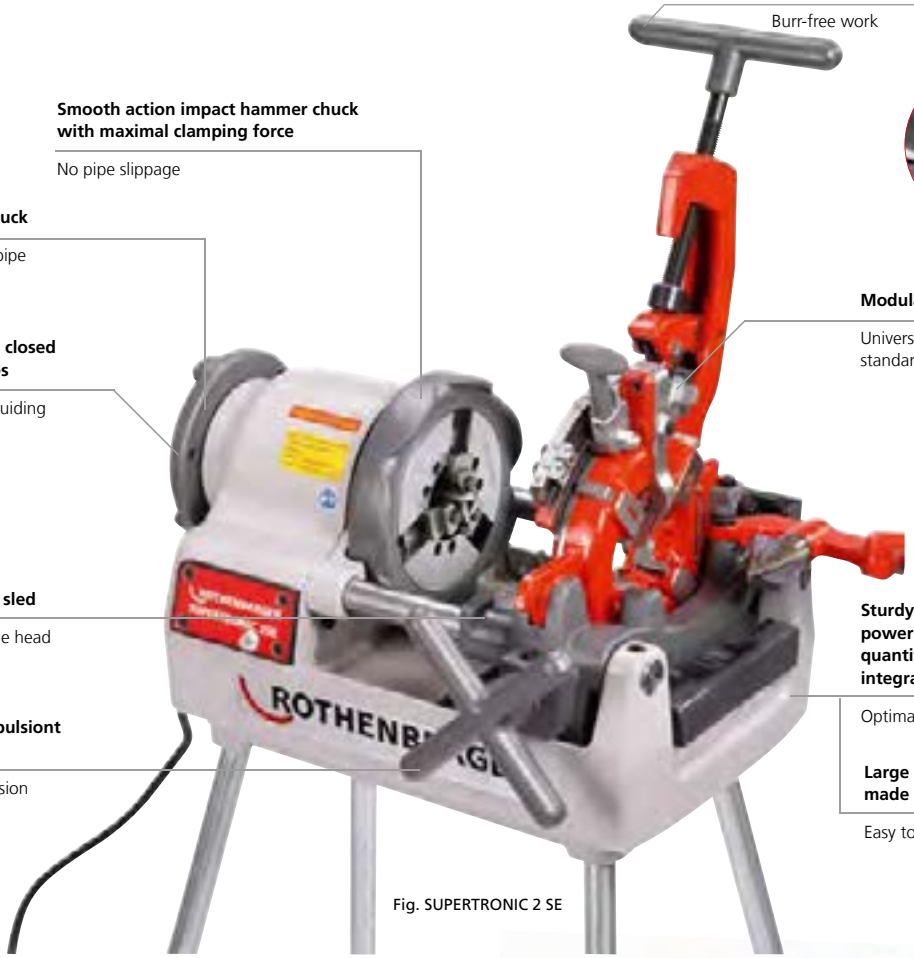


Fig. SUPERTRONIC 2 SE

Impact hammer chuck with inter-changeable clamping jaw, optimal clamping properties through flexible adjustment and broad support



Automatic die heads with quick adjustment of thread size, automatic thread length and finely adjustable thread depth without recentering





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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

SUPERTRONIC 2 SE

Compact threader Ø 1/2 - 2"

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

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 BSPT R 1/2 - 3/4", 1 - 2"	68	**56150**
with automatic die head BSPT R 1/2 - 3/4", 1 - 2"	68	**56175**



230 V 110 V

RO SERVICE+ [1]

SUPERTRONIC 2 SE	No.
Deburrer without holder for 2 SE	**56198**
Supporting legs (4 pcs.)	**56488**

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 BSPT R 1/2 - 3/4", 1 - 2", 2 - 3"	100	**56250**	**56253**
with automatic die head BSPT R 1/2 - 3/4", 1 - 2", 2.1/2 - 3"	100	**56255**	



230 V 110 V

RO SERVICE+ [1]

SUPERTRONIC 3 SE	No.
Deburrer without holder for 3 SE	**56199**

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 BSPT R 1/2 - 3/4", 1 - 2", 2.1/2 - 4"	120	**56465**	**56475**
NPT 1/2 - 3/4", 1 - 2", 2.1/2" - 4"		**56466**	
Deburrer without holder for 4 SE		**56200**	
Transport frame for 3 and 4 SE	25	**57050**	



230 V 110 V

RO SERVICE+ [1]

[1] Complete terms and conditions at rothenberger.com/roservice
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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[1] threading dies									
BSPT R			1/4 - 3/8"	56369	56379	●			
	1/2 - 2"	56052	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 - 1.1/4"			●	●	●	●
	1.1/2 - 3"	56077	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

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

Pipe supporting column

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





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

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	56335

Pipe roughing wrench 3/8 - 2"

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





Model	mm	kg	No.
Pipe roughing wrench	335	1.15	56500
Replacement roughing rolls (3 pcs.)		0.30	56501

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	70289
Spare deburrer			200	70296

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









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

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.
Nipple chuck 1"	0.7	56062
Nipple chuck 1.1/4"	0.8	56063
Nipple chuck 1.1/2"	0.9	56064
Nipple chuck 2"	1.2	56065

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

Application on tripod workbench



Fixture for stabiliser



TECHNICAL DATA

Working range:	1 - 12" (324 mm)
Pipe wall-thickness:	1 - 6" SCHL10 + SCHL40
	4 - 6" SCHL40
	8 - 12" SCHL10
Weight:	12 kg
Depth gauge:	2 distance plates included
Dimensions:	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

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
SUPERTRONIC 2 SE
SUPERTRONIC 4 SE
ROPOWER 50 R
SUPERTRONIC 3 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[1] 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

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

ROGROOVER 1 - 12”

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

230 V | 110 V | RO SERVICE+ [1]

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

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



3-way adjustment of the pressure rollers size



Drive shaft and measuring tape in the delivery



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

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

Model	kg	No.
Pipe support stand	33	1500001990
Diameter messuring 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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries


MAPP
ROTHENBERGER

Soldering & welding

System overview	150 - 151
Cartridge brazing	152 - 156, 158 - 159
Cartridge soft soldering	156 - 157, 159
Cylinder brazing	160 - 161
Cylinder soft soldering	162
Accessories cylinder brazing/soft soldering	163
Electric soft soldering	164 - 165
Gas welding	166 - 169
Three-gas welding	170 - 171
Accessories soldering & welding	172 - 181



Soldering & welding

System overview

Cartridge brazing

	SUPER FIRE 3	SUPER FIRE 4	ROFIRE Global	ROFIRE Swivel PRO cyclone piezo	ROFIRE Swivel PRO twin
					
Soft soldering:	Up to Ø 35 mm	Up to Ø 35 mm	Up to Ø 35 mm	Up to Ø 42 mm	Up to Ø 64 mm
Brazing:	Up to Ø 28 mm	Up to Ø 28 mm	Up to Ø 28 mm	Up to Ø 18 mm	Up to Ø 28 mm
Special application:	Shrinking, removal of paint	Shrinking, removal of paint	–	–	–
For use with:	MAPP[1] gas, Maxigas 400, Multigas 300	MAPP[1] gas, Maxigas 400, Multigas 300	MAPP[1] gas, Maxigas 400, Multigas 300	MAPP[1] gas[2], Maxigas 400[2], Multigas 300[2]	MAPP[1] gas[2], Maxigas 400[2], Multigas 300[2]
Page	152 - 153	154 - 155	156	156	156

Cartridge soft soldering

Roofing

PIEZO	ROFLAME 4 ROFIRE 4 PIEZO	ROFIRE 4	ROOFING set
			
Soft soldering:	Up to Ø 22 mm	Up to Ø 22 mm	✓
Brazing:	–	Up to Ø 15 mm	–
Special application:	–		Bonding of bituminous sheeting
For use with:	Supergas C 200	Multigas 300	Propane, butane
Page	156	157	162

Cartridges

	MAPP[1] gas	Maxigas 400	Multigas 300	Supergas C 200
				
Flame temperature:	Up to 2,700 °C	Up to 2,200 °C	Up to 1,900 °C	Up to 1,800 °C
Application:	Soft soldering & brazing	Soft soldering & brazing	Soft soldering	Soft soldering
Valve:	7/16" EU	7/16" EU	7/16" EU	Pierceable cartridge
Content:	800 ml / 400 g	600 ml / 352 g	600 ml / 338 g	314 ml / 190 g
Page	158	159	159	159

[1] MAPP is a registered trademark of the MESSER Group GmbH, Bad Soden
[2] with safety adaptor (No. 035648X)

Brazing & soft soldering devices

	RE 17	ALLGAS 2000 set	ALLGAS 2000 PS 0.5/2 Compact	ALLGAS Mobile Pro	ROXY 400 L
		 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[1] 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

Basic — Soft soldering Up to 450 °C

Hot — Brazing 450 °C - 1100 °C

Max — Gas welding > 1100 °C

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

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

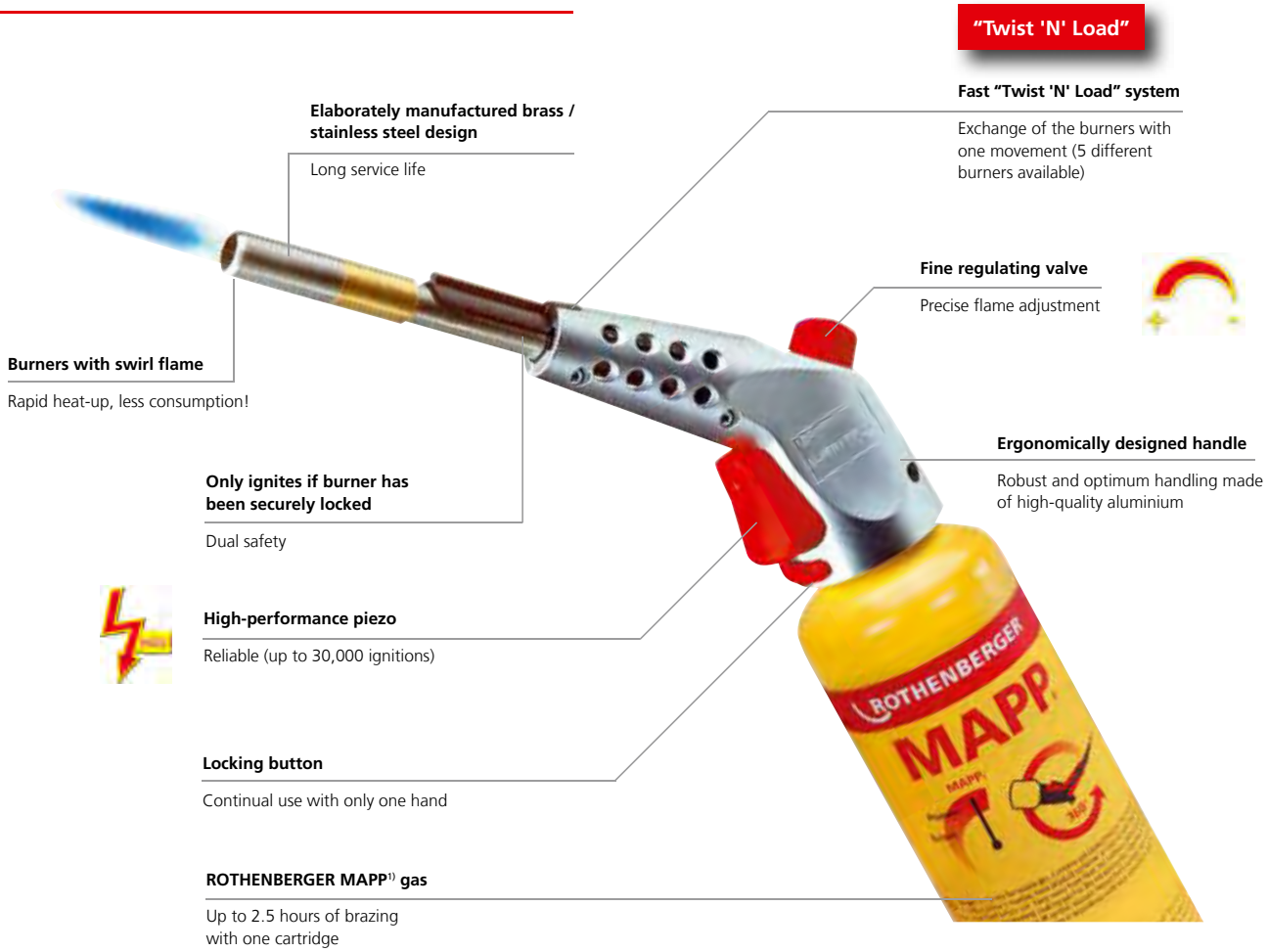
- Rapid material heat-up, less consumption!
- Long service life
- "Twist ‚N' Load" system (5 different burner available) – exchange of the burner with only one movement
- Precise flame adjustment
- Up to 2.5 hours of brazing with one cartridge

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



Brazing in gas installation



High flame temperature based on cyclone swirl



Brazing in refrigeration / air-conditioning technology



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

Pin-point burner (460 °C):



(No. 35455)

For fine soldering; precise and stable flame

Standard burner (700 °C):



(No. 35456)

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

Cyclone burner (950 °C):



(No. 35457)

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

Hot air burner (400 °C):



(No. 35458)

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):



(No. 35459)

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

Hot



5-part set (No. 1000002369) includes: handle (No. 35445), cyclone burner (No. 35457), pin-point burner (No. 35455), flame reflector (No. 31043), universal torch support (No. 35461), 2x MAPP[1)] gas A cartridges (No. 035521-A), ROCASE 4414 (No. 1000001945)

Model		No.
SUPER FIRE 3 HOT BOX EU (incl. MAPP[1)] gas A)	1	**1000002369**
SUPER FIRE 3 HOT BOX EU (incl. MAPP[1)] gas B)	1	**1000002370**
SUPER FIRE 3 HOT BOX EU (incl. MAPP[1)] gas C)	1	**1000002371**

7

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







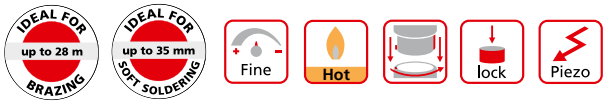

Model		Model	
Welding blanket	**175**	Fittings solder	**177**
Internal brushes for copper pipes	**175**	ROVLIES cleaning pads	**175**
Solder	**176 - 181**	ROSOL soldering paste	**177**

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

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!

"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

Elaborately manufactured brass / stainless steel design

Long service life

Dual safety

Only ignites if burner has been securely locked

Ergonomically designed handle

Robust, light and slipfree through rubberized surface

High-performance piezo

Reliable (up to 30,000 ignitions)

Locking button

Continual use with only one hand



✔ Safe
✔ Fast
✔ Reliable

Brazing in refrigeration / air-conditioning technology



High flame temperature based on cyclone swirl



Brazing in refrigeration / air-conditioning technology



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

Pin-point burner (460 °C):



(No. 35455)

For fine soldering; precise and stable flame

Standard burner (700 °C):



(No. 35456)

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

Cyclone burner (950 °C):



(No. 35457)

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

Hot air burner (400 °C):



(No. 35458)

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):



(No. 35459)

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

RO CASE

Hot



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

Model		No.
SUPER FIRE 4 HOT BOX EU (incl. MAPP[1] gas A)	1	1000002364
SUPER FIRE 4 HOT BOX EU (incl. MAPP[1] gas B)	1	1000002366
SUPER FIRE 4 HOT BOX EU (incl. MAPP[1] gas C)	1	1000002368
SUPER FIRE 4 HOT BOX US (incl. MAPP[1] gas US)	1	1000001630

7

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

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

Cartridge brazing/soft soldering

ROFIRE GLOBAL

Ergonomic torch for brazing and soft soldering applications



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

- 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

Disposable gas cartridges can be found on pages 158 - 159

ROFIRE 4

Ergonomic soft soldering torch for a safe and comfortable usage

Fine | Basic | IDEAL FOR up to 22 mm SOFT SOLDERING

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

Piezo | Fine | Basic | IDEAL FOR up to 22 mm SOFT SOLDERING

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



Fine regulating valve
Precise flame adjustment

High-performance Piezo
Reliable up to 30,000 ignitions

Inox burner with pre-heat function
Applicable in all positions, even upside down (360°)

Protective collar
Longer construction for a stable positioning on cartridges

2-component handle
Rubberized plastic for light, ergonomic handling with perfect grip

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



Soft soldering in drinking water and heating installation



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

Disposable gas cartridges can be found on pages 158 - 159

MAPP[1] gas

High performance brazing and soldering gas

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

Hot

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

7







Protective collar stabilizes the torch and protects against accidental drops



SUPER FIRE 3 HOT BOX



SUPER FIRE 4 HOT BOX

Model	Content		No.
MAPP[1] gas 7/16"EU, A	800 ml	12	035521-A
Languages: DE, GB, FR, ES, IT, PT			
MAPP[1] gas 7/16"EU, B	800 ml	12	035521-B
Languages: DK, NL, SE, FI, FR, RUS			
MAPP[1] gas 7/16"EU, C	800 ml	12	035521-C
Languages: CZ, PL, HU, BG, TR, RO			

Torches can be found starting on 152

Packaging profile

Model	MAPP[1] gas
No.	035521-A
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

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

Maxigas 400

Hot

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

Basic

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

Basic

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

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

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





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	31092
AIRPROP brazing set with propane regulator (No. 32081) (W 21.8 LH – G 3/8 LH)	3.1	31091

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	30913
16 mm	145	180	2.30 – 3,300 – 7,885	100	30914
19 mm	170	300	3.84 – 3,300 – 13,115	130	30915
22 mm	171	400	5.12 – 4,400 – 26,195	145	30916

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	221131416
16 mm	145	180	2.30 – 3,300 – 7,885	100	221131616
19 mm	170	300	3.84 – 3,300 – 13,115	130	221131916
22 mm	171	400	5.12 – 4,400 – 26,195	145	221132216

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

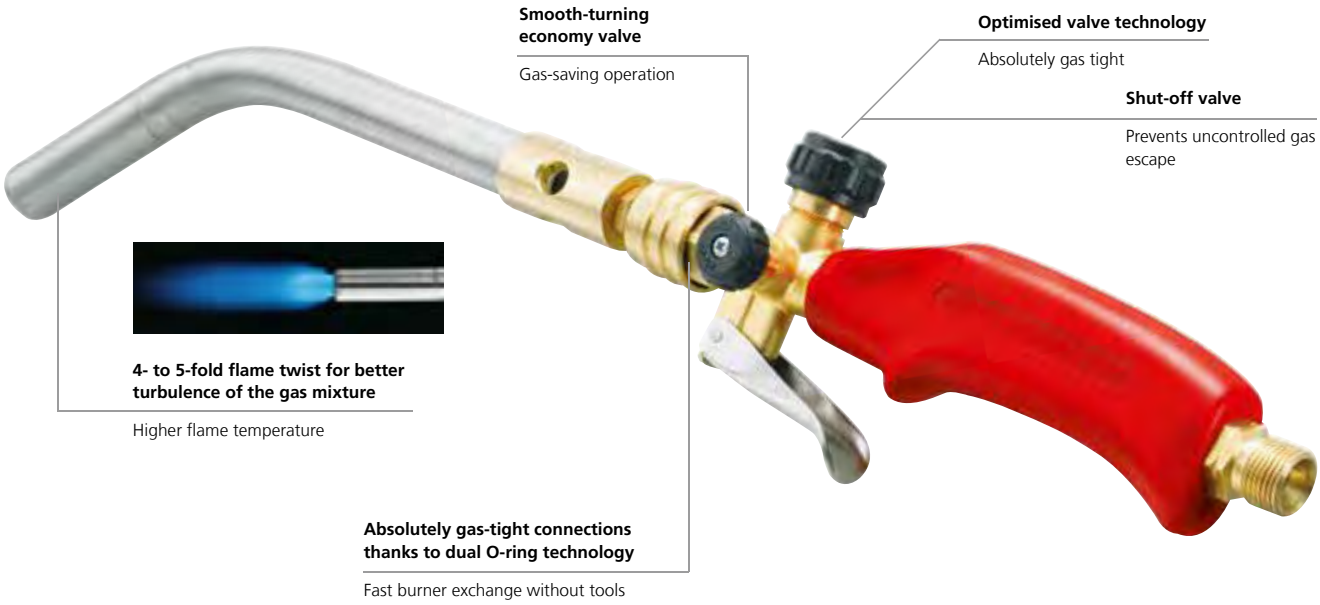
Product profile

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

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



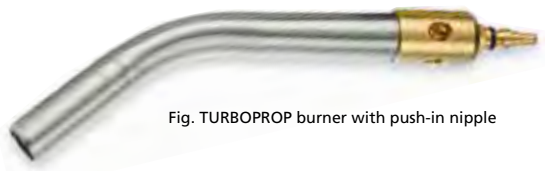


Fig. TURBOPROP burner with push-in nipple



No. 31090 Fig. similar

Sets include: safety handle with push-in coupling (No. 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	31090
TURBOPROP set with propane regulator (No. 32081E) (W 21.8 LH – G 3/8 LH)	3.1	31094

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	31032
15 mm	195	180	2.30 – 1,980 – 7,855	110	221031500
18 mm	230	240	3.07 – 2,640 – 10,485	160	221031800

Cylinder soft soldering

ROOFING set

Propane surface-heating torch with Ø 63 mm high-performance burner

Fine | 360° | Basic

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.

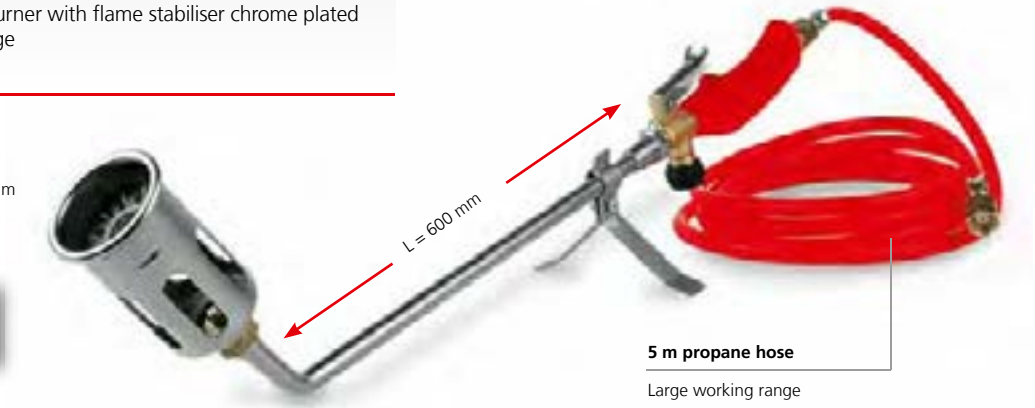
KEY FEATURES

- 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





Burner support included!

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	**30954**
ROOFING set	2,300	**30957**
(as No. 30954, with pressure regulator No. 30925)		
Burner support	60	**252010000**

Extensions

Special tube, chrome plated, angled 40°, inlet M 14 x 1, outlet M 20 x 1



L mm	g	No.	L mm	g	No.
100	90	**231010000**	350	190	**233510000**
200	120	**232010000**	600	290	**236010000**

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



mm	L mm	g/h 2 bar	kWh – kcal – BTU	g	No.
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**

Safety propane handles

With economy, regulating and shut-off valves, hose coupling G 3/8" LH

Model	g	No.
Safety propane handle with push-in coupling	350	211121116
Safety propane handle with M 14x1 coupling	290	211111116
Repair kit with shut-off valve, complete	10	30101
Repair kit with regulating valve, complete	10	30102


No. 211121116


No. 211111116

Propane regulators

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

Inlet	Outlet	Working pressure Bar	Perform-ance kg/h	g	No.
W 21.8x1/14"LH	G 3/8" LH	0.5 - 4.0	8	240	32081
G 3/8" LH	G 3/8" LH	0 - 6	8	200	242206000
W 21.8x1/14"LH	G 3/8" LH	4	8	230	30925


No. 242206000


No. 30925


No. 32081

Propane hoses

Top quality, with strong inlay, durable and flexible, mounted with sleeves and nuts, up to 20 bar pressure (2 MPa)

L m	Inlet	Outlet	Standard	Interior-Ø mm Wall thickness	g	No.
2	G 3/8"LH	M 10 x 1 LH	ISO 3821	4.0 x 3.5	310	30927
2.5	G 3/8"LH	G 3/8" LH	ISO 3821	4.0 x 3.5	350	32201
5	G 3/8"LH	G 3/8" LH	ISO 3821	4.0 x 3.5	730	33310
10	G 3/8"LH	G 3/8" LH	EN 1327	5.0 x 3.5	1,650	32223

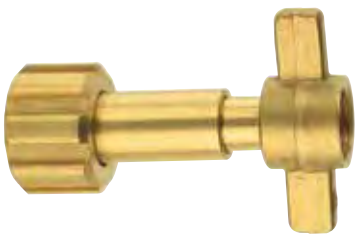

No. 30927


No. 32223

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	g	No.
W 21.8 x 1/14" LH	G 3/8" LH	160	32207



Propane steel cylinder

With cylinder valve, TÜV tested, according to TRG

Model	Outlet	Content kg	No.
Small cylinder 0.425 kg, with foot	G 3/8"LH	empty	2.75	33079
Protective collar for No. 33079				35636



Fig. similar

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!



Thermal overload protection
Automatic device shut-off

2,000 W
High-performance, short soldering times

Generously dimensioned stainless steel cooling ribs
No overheating of the handle shells

Compact design
Comfortable transport and convenient use

Highly flexible, extra long 4 m solder gun cable
Large working radius, also when working under ceilings

Soldering without open flame
No risk of fire from flammable walls, floor coverings, plastic parts etc.

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

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!



Fig. similar

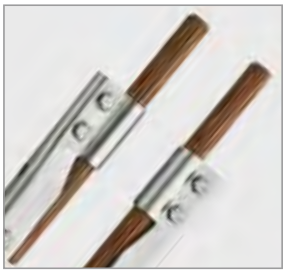
Warming up of the soldering joint without open flame



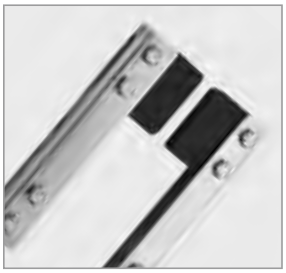
Model	kg	230 V 50/60 Hz
ROTHERM 2000 soft soldering set	17.8	36702
ROTHERM 2000 soft soldering unit	13.6	36700
Steel case	3.5	36715

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.
Flat electrode (pair)	36721
Flat electrode with holder (pair)	36711
Rod electrodes (pair)	36720
Rod electrodes with holder (pair)	36710

Model	
ROVLIES cleaning pads	173
Fittings solder flux	175
Fittings solders	175
Internal brushes for copper pipe	173

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

Soldering range:	up to 2.5 mm material thickness
Welding range:	0.2 - 5 mm
Suitable for use with:	Acetylene and oxygen Propane and oxygen CNG and oxygen 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

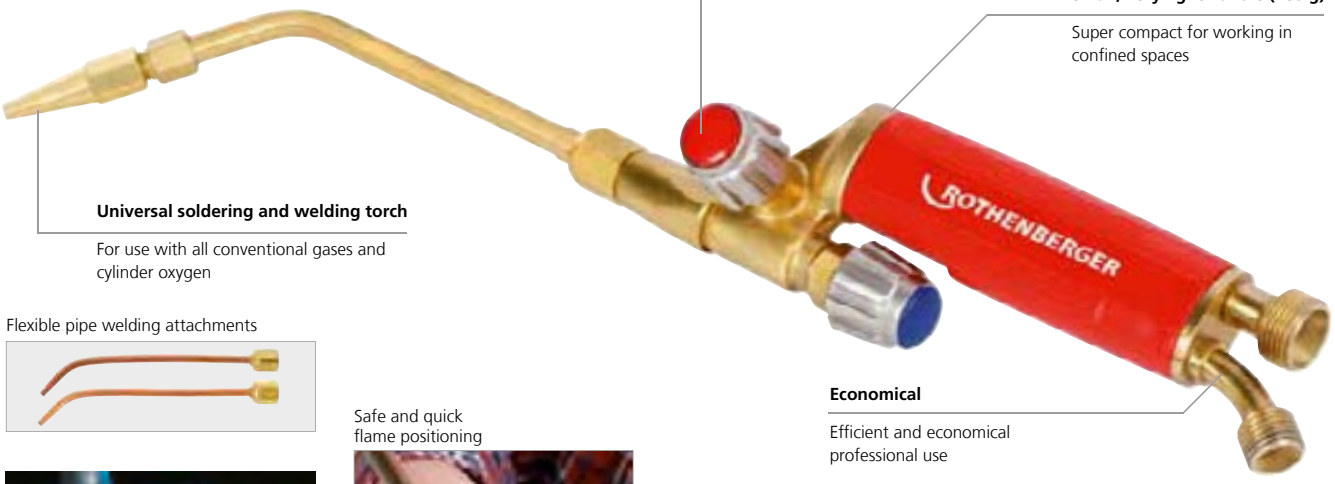
Practically complete emptying of gas cylinders (money saving) for use with all conventional gases and cylinder oxygen

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



Economical

Efficient and economical professional use

Flexible pipe welding attachments



Dispersion burners for warming up



Safe and quick flame positioning



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	35300
ALLGAS 2000 handle	G 1/4" RH	G 3/8" LH	280	35303
Mixing burners with union nut			40	35304

Welding tips and welding attachments

Model	Welding range mm	g	No.
Welding tip size 2	1.0 - 2.0	10	35306
Welding tip size 3	2.0 - 3.0	10	35307
Welding tip size 4	3.0 - 4.0	10	35308
Welding tip size 5	4.0 - 5.0	10	35309
Welding tip holder, can be used as a spanner		20	35312
Flexible welding tip size 1	2.0 - 3.0	40	35313
Flexible welding tip size 2	4.0 - 5.0	40	35314
Coupling / union nut size 14		10	35315



ALLGAS 2000 set Fig. similar

ALLGAS 2000 PS 0.5 / 2 Compact

Portable brazing equipment with carrying frame

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

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

Carrying comfort





Fig. similar



The bottle colors shown are without obligation!
Fig. similar

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	35655
Carrying frame without accessories	10.3	35629

Further accessories can be found on 172

ALLGAS 2000 welding tips

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



Welding tips, thread M8 X 1





Model	Welding range mm	g	No.
Welding tip size 2	1.0 - 2.0	10	35306
Welding tip size 3	2.0 - 3.0	10	35307
Welding tip size 4	3.0 - 4.0	10	35308
Welding tip size 5	4.0 - 5.0	10	35309
Welding tip holder, can be used as a spanner		20	35312



No. 35309



No. 35312

Flexible pipe welding attachments





Model	Welding range mm	g	No.
Flexible welding tip size 1	2.0 - 3.0	40	35313
Flexible welding tip size 2	4.0 - 5.0	40	35314
Coupling / union nut size 14		10	35315

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 saftety devices for both gas hoses to prevent flash-backs
- MAPP[1] 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[1] gas with oxygen
Flame temperature:	over 3,100 °C
Working temperature:	1,300 °C

Accessories included in the set



Fig. similar

Model	kg	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[1] gas 1" US, 750 ml	12 0.9	35698
MAPP[1] gas 7/16" EU, 800 ml	12 0.9	035521-A
Oxygen steel cylinder, disposable, 950 ml, 110 bar	12 1.33	35750

Model	kg	No.
Pressure regulator 1" US f. MAPP[1] / LPG	0.38	1000000620
Pressure regulator M10 x 1 f. oxygen	0.35	1000000629

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

ALLGAS 2000 PS 0.5 / 2 Basic

Portable fitter's brazing equipment

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



The bottle colors shown are without obligation!
Fig. similar



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!



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



The bottle colors shown are without obligation!
Fig. similar



Space saving storage in service vehicles!

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

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	**35400**

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	**35403**

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	**35401**

RE 17 UNIVERSAL pipe welding set

For welding, cutting, brazing and warming up
Welding range: 0.5 - 14 mm, Cutting range: 12 - 100 mm





No. 35480 Fig. similar



No. 35324

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	35479
RE 17 pipe welding set	4.8	35480
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)		
Steel case RE 17 (empty)	1.70	35800
RE 17 handle with burner coupling nut	0.47	35324
Coupling: oxygen G 1/4" RH, gas G 3/8" LH		

RE 17 welding attachments





	Welding range mm	g	No.
Welding attachment	0.5 - 1.0	140	35325
Welding attachment	1.0 - 2.0	150	35326
Welding attachment	2.0 - 4.0	170	35327
Welding attachment	4.0 - 6.0	190	35328
Welding attachment	6.0 - 9.0	220	35329
Welding attachment	9.0 - 14.0	260	35334

RE 17 welding attachments, bendable

Pipe welding attachment, front piece





Pipe welding attachment, complete



Pipe welding attachment, complete

Welding range mm	g	No.
2.0 - 4.0	140	35347
4.0 - 6.0	150	35348

Flexible copper tips

Welding range mm	g	No.
1.0 - 2.0	40	35475
2.0 - 4.0	40	35476
4.0 - 6.0	50	35477

RE 17 wing-lever cutting attachment





No. 35338

Model	g	No.
Cutting attachment without tips	820	35338

RE 17 cutting tips and heating burners



No. 35341
No. 35344
No. 35345



No. 35339

Model	Cutting range mm	g	No.
Cutting tip	12 - 25	10	35341
Cutting tip	25 - 50	20	35344
Cutting tip	50 - 100	20	35345
Heating burners	12 - 100	50	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 m	Inlet	Outlet	Internal Ø x Wall thickness	kg	No.
2.5	G 1/4" RH	G 1/4" RH	4 x 3.5	0.5	35210
5.0	G 1/4" RH	G 1/4" RH	4 x 3.5	1.1	33311

Dual hoses A/O

L m	Inlet/Outlet Oxygen	Inlet/Outlet Acetylene	Interior Ø x Wall thickness	kg	No.
2.5	G 1/4" RH	G 3/8" LH	6.3 x 3.5	0.9	35221
5.0	G 1/4" RH	G 3/8" LH	6.3 x 3.5	2.0	35222
10	G 1/4" RH	G 3/8" LH	6.3 x 3.5	3.8	35223

7



Protective bracket included in delivery for steel cylinders without cap,



The bottle colors shown are without obligation! Fig. similar

Lightweight steel cylinders, filled

With cylinder valve and cap (5 l and 10l), TÜV tested in accordance with TRGI

Model	Contents	Filling pressure bar	Height mm	Ø mm		kg	No.
Oxygen	950 ml	110	340	70	12	1.33	35750
Oxygen	2 l	200	420	110		4.6	35635
Oxygen	5 l	200	595	145		14.0	35188
Oxygen	10 l	200	980	145		17.0	35189
Acetylene	5 l	18	595	145		13.0	35178
Acetylene	10 l	18	980	145		23.0	35179



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 5 / 10 l acetylene / oxygen cylinders	8.9	35354

Cylinder pressure reducer

Robust pressed brass construction according to EN ISO 2503 with large pressure gauge according to ISO 5171, with shut-off and safety valves. Acetylene cylinder pressure reducer with bow coupling according to DIN 477-1

Cylinder contents bar	Working pressure bar	Inlet	Outlet	kg	No.
Oxygen					
0 - 200	0 - 10	G 3/4"RH	G 1/4" RH	1.4	35634
Acetylene					
0 - 40	0 - 1.5	Bow	G 3/8" LH	1.6	35794


No. 35634
Fig. similar


No. 35794
Fig. similar

Blowback prevention

Safety devices (flashback arrestors) according to EN 730-1 and ISO 5175-1, type tested, with flame arrestor (FA) and non-return valve (NV). No. 540360 and No. 540365 are additionally equipped with a temperature-sensitive cut-off valve (TV) and filter

Model	max. working pressure	Coupling	g	No.
Handle-mounted, oxygen	25.0 bar	G 1/4" RH	150	540360
Handle-mounted, acetylene	1.5 bar (ace)	G 3/8" LH	160	540365
	5.0 bar (propane/CNG)			
Reducer-mounted, oxygen	25.0 bar	G 1/4" RH	120	1000000633
Handle, oxygen	20.0 bar	G 1/4" RH	100	1000000764
Handle, fuel gas	1.5 bar (ace)	G 3/8" LH	100	1000000762
	4.0 bar (propane/CNG)			


No. 1000000633


No. 540360


No. 1000000764


No. 1000000631

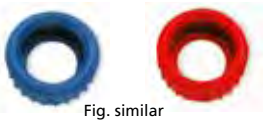

No. 540365


No. 1000000762

Protective rubber cap

With slot, open

Model	Color	g	No.
For oxygen pressure reducer	blue	50	511427
For acetylene pressure reducer	yellow	50	511428


Fig. similar

Oxygen refilling bend

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

Model	g	No.
max. 200 bar, cylinder coupling G 3/4"	360	35199



Safety igniters

Powerful spark, wear-free hard alloy friction surface

Model	g	No.
Safety igniter	60	32077
Replacement flints, tin, 5 pcs.	15	32088


No. 32077


No. 32088

Accessories soldering & welding



No. 540855

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



No. 540620



No. 540622



No. 540640

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	g	No.
ROVLIES (10 pcs.)	80	45268
ROVLIES counter display (36 pcs.)	2,180	045268D





Internal brushes for copper pipe

For fast cleaning of the soldering surface with rugged plastic handle

mm	g	No.
12	80	854181
15	100	854183
18	120	854185

mm	g	No.
22	140	854186
28	140	854187



Fig. similar

Hand wire brushes

Model	Number of rows	g	No.
Standard steel	3 rows	130	561351



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/m²





Model	L x W x H	g	No.
Welding blanket	500 x 330 x 3 mm	300	31050

Flame reflectors

- Made of high-quality stainless steel
- Protects surrounding materials
- Better heat utilisation, saves time and energy





Model	Width mm	Adaptor Ø mm	g	No.
65 / 15	65	8 – 15	100	31042
65 / 22	65	15 – 22	100	31043

Fitting soft solder according to EN standard

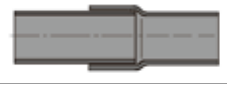
Standard type according to EN 9453	Solder composition in weight %	Melting range °C	Suitable for soft soldering in the plumbing industry			Recommended heat source
			Pipe material	Fittings material	Recommended flux according to EN 9454-1	
S -Sn97Cu3	Sn 97, Cu 3	230 - 250	Copper	Copper, gunmetal, brass	Part 1 - 3.1.1, 3.1.2, 2.1.2 or ROSOL 3	Cartridge burner, heat resistant soldering unit, propane / induced-air burner, acetylene / induced-air burner, larger pipe diameters above 28 mm with propane / oxygen burner with dispersion burners
S -Sn97Ag3	Sn 96.7, Ag 3.3	221 - 240	Copper	Copper, gunmetal, brass	Part 1 - 3.1.1, 3.1.2, 2.1.2 or ROSOL 1 S	

Standard solder according to EN ISO standard

Standard type according to ISO 17672	Solder composition in weight %	Melting range °C	Working temperature °C	Suitable for installation technology brazing			Recommended flux according to EN 1045	Recommended heat source
				Pipe material	Fittings material	Flux		
CuP 179	Cu 94 / P 6	710 - 890	760	Copper	Copper Gunmetal Brass	without flux with flux	FH 10 or LP 5	Cartridge torch with MAPP[1] gas, Propane / induced-air torch, Acetylene / induced-air torch, Larger pipe diameters above 28 mm with propane / oxygen torch with dispersion burners
CuP 279	Ag 2 / Cu 91,8 / P 6,2	645 - 825	740	Copper	Copper Gunmetal Brass	without flux with flux	FH 10 or LP 5	
CuP 281	Ag 5 / Cu 89 / P 6	645 - 815	710	Copper	Copper Gunmetal Brass	without flux with flux	FH 10 or LP 5	
CuP 284	Ag 15 / Cu 80 / P 5	645 - 800	700	Copper	Copper Gunmetal Brass	without flux with flux	FH 10 or LP 5	
Ag 134	Ag 34 / Cu 36 / Zn 27,5 / Sn 2,5	630 - 730	710	Steel Copper	Steel, Copper Gunmetal Brass	with flux (U = sheathed from 22 mm pipe-Ø)	FH 10 or LP 5	
Ag 145	Ag 45 / Cu 27 / Zn 25,5 / Sn 2,5	640 - 680	670	Steel Copper	Steel, Copper Gunmetal Brass	with flux (U = sheathed from 22 mm pipe-Ø)	FH 10 or LP 5	

7

Soldered joints

Material	Required hard solder	Melting range	Working temperature	Standard
Copper-Copper 	S 34 Cu / S 34 Cu U S 94 S 2 S 5 S 15	630 °C - 730 °C 710 °C - 890 °C 645 °C - 825 °C 645 °C - 815 °C 645 °C - 800 °C	710 °C 760 °C 740 °C 710 °C 700 °C	EN ISO 17672 (former DIN EN 1044)
Copper-Carbon steel 	S 34 Cu / S 34 Cu U S 45 Cu / S 45 Cu U	630 °C - 730 °C 640 °C - 680 °C	710 °C 670 °C	EN ISO 17672 (former DIN EN 1044)
Copper-Brass 	S 94 S 2 S 5 S 15	710 °C - 890 °C 645 °C - 825 °C 645 °C - 815 °C 645 °C - 800 °C	760 °C 740 °C 710 °C 700 °C	EN ISO 17672 (former DIN EN 1044)
Brass-Carbon steel 	S 34 Cu / S 34 Cu U S 45 Cu / S 45 Cu U	600 °C - 690 °C 595 °C - 630 °C	680 °C 610 °C	EN ISO 17672 (former DIN EN 1044)
Brass-Brass 	S 94 S 2 S 5 S 15	710 °C - 890 °C 645 °C - 825 °C 645 °C - 815 °C 645 °C - 800 °C	760 °C 740 °C 710 °C 700 °C	EN ISO 17672 (former DIN EN 1044)
Carbon steel-Carbon steel 	S 34 Cu / S 34 Cu U S 45 Cu / S 45 Cu U	630 °C - 730 °C 640 °C - 680 °C	710 °C 670 °C	EN ISO 17672 (former DIN EN 1044)

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

Fittings solders

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



No. 45252

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	**45252**
3 mm	250 g coil	270	**45250**

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	**45257**
3 mm	250 g coil	270	**45255**



No. 45257

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	**45220**

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	**45225**

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	**45266**





Hard solder rings S 2

High-quality safety solder material with silver-phosphorus content, guaranteed according to EN ISO 17672, CuP 279

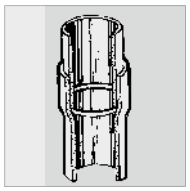
KEY FEATURES

- 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

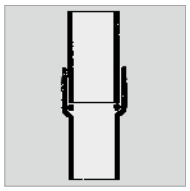
TECHNICAL DATA

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

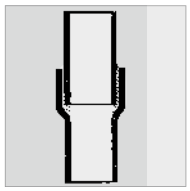
Simple insertion



Precise quantity of solder



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



Model	approx. Content rings	g	No.
Hard solder rings S 2, Ø 14 mm	268 pcs.	260	40514
Hard solder rings S 2, Ø 15 mm	244 pcs.	260	40515
Hard solder rings S 2, Ø 28 mm	79 pcs.	260	40528



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	40500



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	35611

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

Alloy (weight %):	Cu 94 / P6
Melting range:	710 - 890 °C
Working temperature:	760 °C
Joinable materials:	Copper, gunmetal, brass, bronze
Flux required with:	Gunmetal, brass, bronze with LP 5

Content	Squared section mm	Length mm	g	No.
1 kg carton	2 x 2	500	1,025	40094

ROLOT S 2

Special quality hard solder, not standardised, **similar to EN ISO 17672**, with low silver content, matched to normally-stressed copper pipe system, ideal for capillary gap soldering



TECHNICAL DATA

Melting range:	700 - 850 °C
Working temperature:	750 °C
Joinable materials:	Copper, gunmetal, brass, bronze
Flux required with:	Gunmetal, brass, bronze with hard solder paste LP 5

Content	Square section mm	Length mm	g	No.
1 kg carton	2 x 2	500	1,025	40202

ROLOT S 2 CuP 279

Silver / phosphorus safety hard solder, **guaranteed according to EN ISO 17672**, for higher-stressed copper pipe systems, ideal for capillary soldering in sanitary, heating and gas installations



TECHNICAL DATA

Alloy (weight %):	Ag 2 / Cu 91,8 / P 6,2
Melting range:	645 - 825 °C
Working temperature:	710 °C
Joinable materials:	Copper, gunmetal, brass, bronze
Flux required with:	Gunmetal, brass, bronze with hard solder paste LP5

Content	Square section mm	Length mm	g	No.
1 kg carton	2 x 2	500	1,025	40212
1 kg carton	3 x 3	500	1,025	40213

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 mm	Length mm	g	No.
1 kg carton	2 x 2	500	1,025	**40502**

TECHNICAL DATA

Melting range:	710 - 840 °C
Working temperature:	750 °C
Joinable materials:	Copper, gunmetal, brass, bronze
Flux required with:	Gunmetal, brass, bronze with hard solder paste 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

7

Content	Square section mm	Length mm	g	No.
1 kg carton	2 x 2	500	1,025	**40005**

TECHNICAL DATA

Alloy (weight %):	Ag 5 / Cu 89 / P 6
Melting range:	645 - 815 °C
Working temperature:	710 °C
Joinable materials:	Copper, gunmetal, brass, bronze
Flux required with:	Gunmetal, brass, bronze with hard solder paste 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 mm	Length mm	g	No.
1 kg carton	2 x 2	500	1,025	**40015**

TECHNICAL DATA

Alloy (weight %):	Ag 15 / CU 80 / P 5
Melting range:	645 - 800 °C
Working temperature:	710 °C
Joinable materials:	Copper, gunmetal, brass, bronze
Flux required with:	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

Alloy (weight %):	Ag 34 / Cu 36 / Zn 27.5 / Sn 2.5
Melting range:	630 °C - 730 °C
Working temperature:	710 °C
Joinable materials:	Steel, malleable cast iron, copper, gunmetal, copper and nickel alloys

Content	mm	g	S 34 U No.
100 g plastic bag	2	110	**44915**
250 g plastic bag	2	260	**44916**
1000 g plastic bag	2	1,010	**44917**

Silver hard solders Ag 145 S 45 Cu / S 45 Cu U flux-covered

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

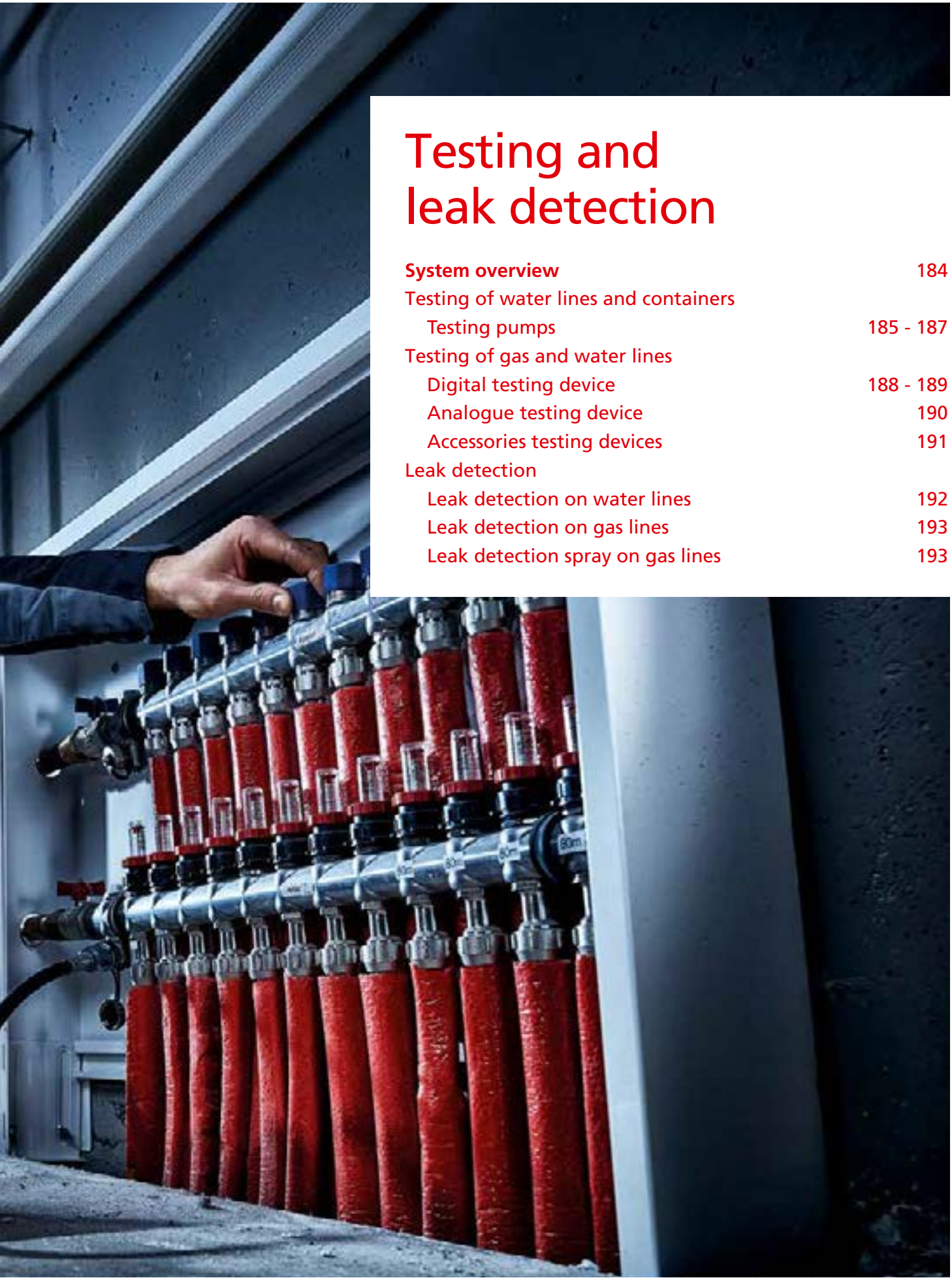


TECHNICAL DATA

Alloy (weight %):	Ag 45 / Cu 27 / Zn 25.5 – 3.5 / Sn 2.5
Melting range:	640 °C - 680 °C
Working temperature:	670 °C
Joinable materials:	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	**45055**
250 g plastic bag	2	260	**45056**


ROTHENBERGER



Testing and leak detection

System overview 184

Testing of water lines and containers

Testing pumps 185 - 187

Testing of gas and water lines

Digital testing device 188 - 189

Analogue testing device 190

Accessories testing devices 191

Leak detection

Leak detection on water lines 192

Leak detection on gas lines 193

Leak detection spray on gas lines 193

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
Page	**185**	**187**	**187**

8

Testing pumps electric

	RP PRO III
	
Testing and pressure range:	0 - 40 bar
Flow rate:	6 l / min.
Tank capacity:	–
Connection:	R1/2"
Dimensions:	375 x 290 x 300 mm
Weight:	16 kg
Material:	ABS plastic
Valve:	Single valve
Pressure gauge units:	bar, psi, Mpa
Gauge characteristics:	Glycerine cushioned
Suitable for:	Oil, water and glycol
Page	**186**

Analogue / digital testing device for gas and water connections

	ROTEST GW 150/4	ROTEST GW Digital V3
		
Pressure range: **Low pressure sensor**	0 - 180 mbar (resolution 0.1 mbar)	0 - 1,000 mbar (resolution 0.1 mbar)
Pressure range: **High pressure sensor**	0 - 4 bar (resolution 0.1 bar)	0 - 20 bar (resolution 0.01 bar)
Leak rate measurement:	–	0 - 12 L/h
Display resolution:	–	480 x 272
Data transfer:	–	WLAN, USB
Battery life time:	–	Approx. 8 h testing time
Safety class:	–	IP40
Weight:	7.3 kg	5.25 kg
Page	**190**	**188**

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

Testing and pressure range:	0 - 60 bar, with 1 bar steps 0 - 860 psi, with 20 psi steps 0 - 6 MPa, with 0.1 MPa steps
Hub suction capacity:	approx. 45 ml / stroke
Tank capacity:	12 l
Dimensions (L x W x H):	495 x 165 x 255 mm
Connection:	R 1/2"
Container RP 50-S:	Steel, DURAMANT coated
Container RP 50-S INOX:	Stainless steel

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)

Testing hose with steel mesh

Precise measurement

Hook to fix the handle

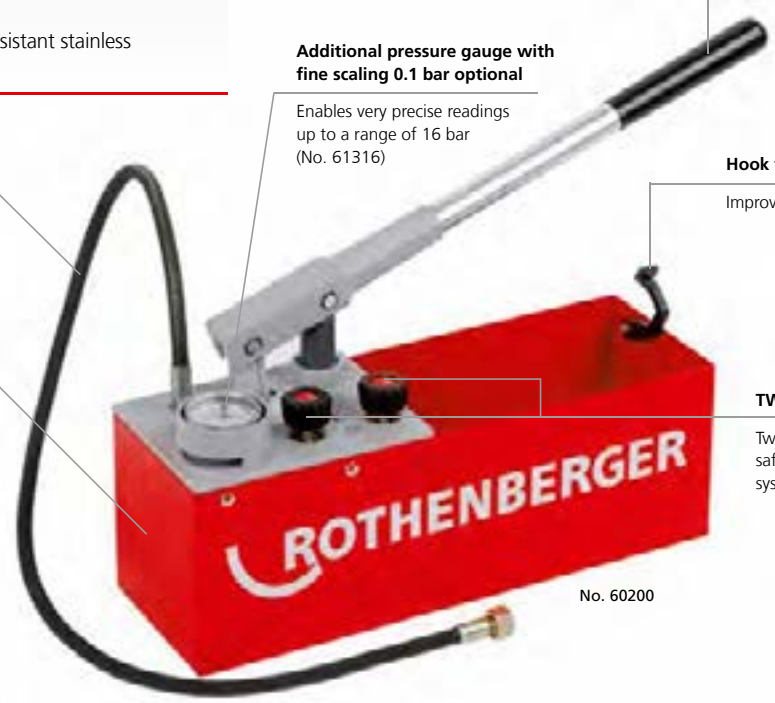
Improved carrying comfort

5 year warranty against corrosion

Extrem durable DURAMANT coating

TWIN VALVE-System

Two valves for double safety while testing the system



No. 60200

INOX



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

[1] Complete terms and conditions at rothenberger.com/roservice
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RP PRO III

Self-priming electric testing pump up to 40 bar

Product profile

APPLICATION AREA

Electrical testing pump for the automatic pressure testing of piping and containers up to 40 bar in accordance with national and international standards

KEY FEATURES

- Comfortable, automatic filling and pressure testing of piping and containers
- Compact and robust plastic casing for simple handling at the building site
- Liquid supply freely selectable: optional self-priming up to a maximum of 1 m or from a pressure source. Suitable for oil, water and glycol
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Glycerine cushioned pressure gauge absorbs pressure surges which makes pressure reading easier

TECHNICAL DATA

Testing and pressure range:	0 - 40 bar, with 1 bar steps 0 - 570 psi, with 20 psi steps 0 - 0.1 MPa steps
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 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

Function overview

Direct overview of the functions

Optimal weight distribution

Comfortable to carry

Thermal automatic shutdown

Prevents overloads and damage to the pump

Installation diagram on unit

Eases the direct connection



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

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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	60250
Maintenance package TP 25				60251

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	61130
High pressure hose with 1/4" connection		0.4		R6112500

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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 managment of all test results

TECHNICAL DATA

Display resolution:	480 x 272
Data transfer:	USB, WiFi
Battery life time:	approx. 8 h testing time, mains operation possible
Pressure range:	
Low pressure sensor:	Pressure range 0 – 1,000 mbar (resolution 0.1 mbar / hPa)
High pressure sensor:	Pressure range 0 - 20 bar / 0 - 2 MPa (resolution 0.01 bar / 0.001 MPa)
Leak rate measurement:	Leak rate 0 – 12 l / h (resolution 0.1 l / h)
Safety class:	IP40
Weight:	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

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ROTEST GW Digital V3 - RoData V3 PC-Software

PC software for data management of all tests carried out

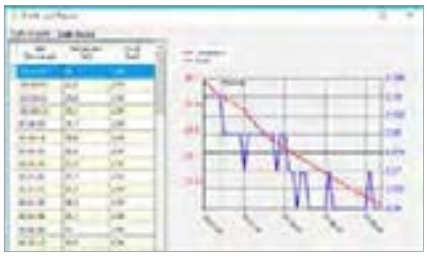
Product profile

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

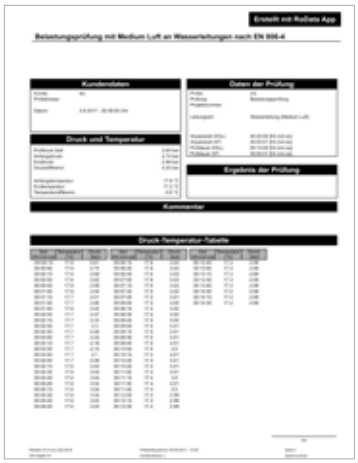
RoData V3 PC-Software:
Compatibility: Windows 2000, XP, 7, 8, 10
Size: 16.2 MB



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

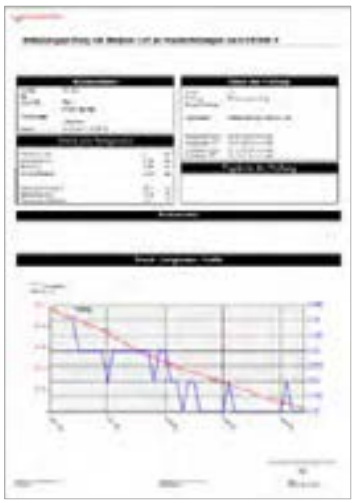
Product profile

KEY FEATURES

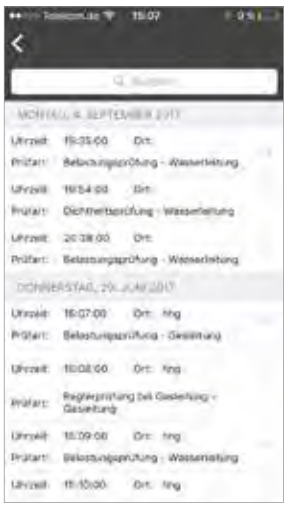
- Simple, quick and professional documentation
- Log ready for immediate use as a PDF
- Suitable for iOS and Android devices
- Measurement data transfer via WiFi
- User-defined company profile set-up in the log
- Ready-made logs for various measurement types (leak testing, usability testing, etc.)

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

ROTEST GW 150/4

Analogue testing device for gas and water connections using air as the medium

DIN -Norm

RO SERVICE+ [1]

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!





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

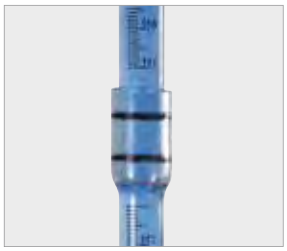
Compact measuring station

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

[1] Complete terms and conditions at rothenberger.com/roservice
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Set components

Model	g	No.
Pressure pump ROTEST GW 150/4	0.30	61011
Bellow f. ROTEST GW 150/4	0.06	61014
Shut-off valve NW5 socket/plug	0.20	61017
Adaptor nozzle pressure to NW5 plug	0.20	61018
O-ring set (6 pcs.) GW 150/4	0.04	61030
Supply End Cap f. ROTEST GW 150/4	0.38	61041
1/8" adaptor to NW5 plug	0.10	F84215
1/2" adaptor to NW5 plug	0.50	1500002876
Tube element (4 pcs.) GW 150/4	1.10	61702
Measurement fluid, blue, GW 150/4	0.10	351257
Hose 2 m high pressure + shut-off valve	0.20	1500002845
Hose 2 m low pressure ROTEST GW	0.20	1500002846
Double bellow GW Digital V3	0.10	1500002847
Air pump GW Digital v3	0.14	1500002848
CD RODATA V3 for ROTEST GW Digital V3	0.02	1500002851
Shut-off valve NW5 socket/socket	0.17	1500002852


No. 61017


No. 61018


No. 61041


No. 1500002845


No. 61702


No. 1500002846


No. 1500002851


No. 1500002852


No. 1500002853


No. 1500002876

Gas test plug / adaptor

Suitable for gas lines up to 1.5 bar

Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	g	No.
Conical shape with pneumatic connection				
Size 0	3/8 - 1/2"	15 - 18	45	351260
Size 1	1/2 - 1"	22 - 28	80	351261
Size 2	3/4 - 1.1/4"	35 - 42	125	351262
Size 3	1.1/4 - 2"	54 - 64	175	351263



Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	g	No.
Cylindrical shape with pneumatic connection				
Size 1	3/4"	22	60	351271
Size 2	1"	28	75	351272



Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	g	No.
Conical shape with hose coupling				
Size 0	3/8 - 1/2"	15 - 18	200	351220
Size 1	1/2 - 1"	22 - 28	300	351221
Size 2	3/4 - 1.1/4"	35 - 42	300	351222
Size 3	1.1/4 - 2"	54 - 64	400	351223



Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	g	No.
Conical shape with 2 ball valves				
Size 1	1/2 - 1"	22 - 28	260	351231
Size 2	3/4 - 1.1/4"	35 - 42	420	351232
Size 3	1.1/4 - 2"	54 - 64	700	351233



Model	Steel exterior Pipe Ø inch	Copper exterior Rohr Ø mm	g	No.
Conical shape with 1 ball valve				
Size 0	3/8 - 1/2"	15 - 18	200	351225
Size 1	1/2 - 1"	22 - 28	350	351226
Size 2	3/4 - 1.1/4"	35 - 42	390	351227
Size 3	1.1/4 - 2"	54 - 64	600	351228



With double plug valve - with hose snout Model	g	No.
Adaptor/cut-off valve with pn. connection	290	351265

ROLEAK Aqua 3Plus

Easy to use leak detection device with acoustic signal for pipe systems

RO CASE RO SERVICE+ [1)]

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

[1)] Complete terms and conditions at rothenberger.com/roservice
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ROTEST Electronic 4

Leak detection on gas lines

RO CASE RO SERVICE+ [1]

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, naptha, 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

**Highly sensitive foam spray:
Quick and reliable location of leaks!**

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

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





Model	Content	g		No.
ROTEST leak detection spray	400 ml	470	12	65000

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ROFROST TURBO
ROTHENBERGER



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
	ROFROST Turbo R290 1.1/4"	**ROFROST Turbo R290 2"**	**ROFROST CO_2 Set**
			
Working range Cu:	10 - 42 mm (3/8 - 1.5/8")	10 - 54 mm (3/8 - 2.1/8")	10 - 54 mm (3/8 - 2.1/8")
Working range Fe:	1/8 - 1.1/4"	1/8 - 2"	1/8 - 2"
Reduction inserts:	up to 12 Stk.	up to 15 Stk.	up to 10 Stk.
Freezing hose:	2.5 m	2.5 m	2 m
Refrigerant:	R290	R290	CO_2 (R 744)
Page	**197**	**198**	**200**

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 continouse 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	kg	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**

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

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 environmentallly friendly refrigerant R290
- Safe freezing: Thermometer on the freezer clamp indicates when the pipe is completely frozen
- The use of heat conductive paste guarantees an optimum icing. It prevents air pockets between the freezing clamps and pipe. The pipe does not need to be sprayed with water
- Reduction inserts in various sizes for all common pipe diameters

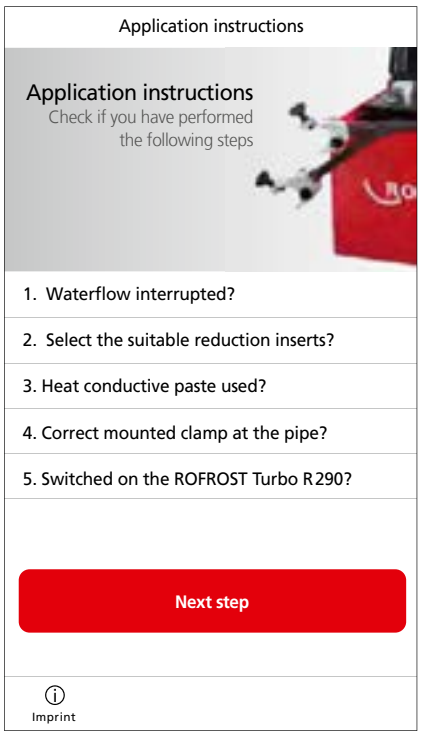


Model	kg	230 Volt 50 Hz
ROFROST Turbo R290 2"		
with reduction inserts size II, III, V, VII, IX, D, E, F (see ROFROST reduction insert overview) + heat conductive paste	24.3	1500003001
Expansion set for ROFROST Turbo with reduction inserts size II, III, V, VII		62230
additional sets upon request		

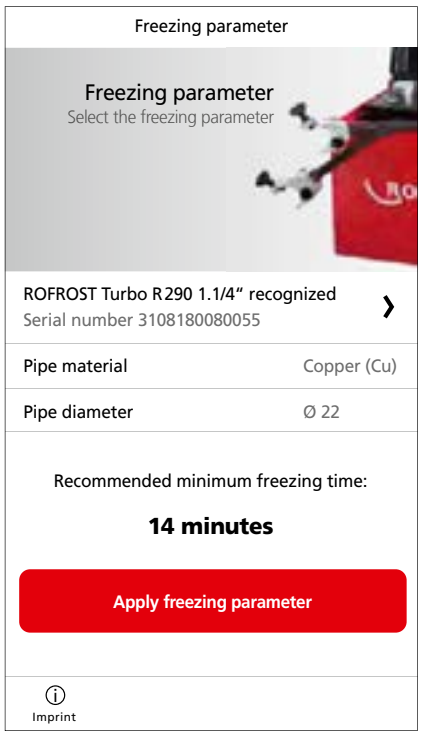
[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

ROFROST App

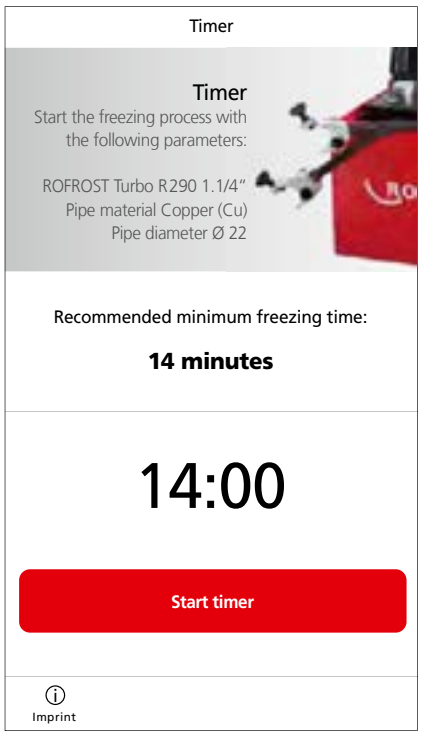
The ROFROST App supports safe work and the freezing process will be explained step by step.



Checklist for the freezing process



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



The integrated timer will respond after the freezing time has elapsed

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	62217
Size II	12 mm	1/2"	-	180	62211
Size III	14/15 mm	-	1/4"	170	62212
Size IV	16 mm	5/8"	-	170	62219
Size V	18 mm	-	3/8"	165	62213
Size VI	20 mm	3/4"	-	155	62224
Size VII	22 mm	7/8"	1/2"	145	62214
Size VIII	-	1"	-	125	62226
Size IX	28 mm	-	3/4"	110	62215
Size X	-	1.1/8"	-	90	62227
Size XI	32 mm	1.1/4"	-	80	62221
Size XII	35 mm	1.3/8"	1"	65	62216

ROFROST Turbo 2" reduction inserts

Size	Nominal size Cu	Nominal size Cu	Nominal size Fe	g	No.
Size A	28 mm	-	3/4"	190	62231
Size B	-	1.1/8"	-	180	62232
Size C	32 mm	1.1/4"	-	170	62233
Size D	35 mm	1.3/8"	1"	170	62234
Size E	42 mm	-	1.1/4"	165	62235
Size F	-	-	1.1/2"	155	62236
Size G	54 mm	2.1/8"	-	145	62237

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	1	62291

Freezing with gas

ROFROST CO_2 Set

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

RO CASE

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 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



Set without carbon dioxide bottles!

Use carbon dioxide bottles only with stand pipes

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 Ø mm	for copper pipes Ø inch	for steel pipes 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 Ø mm	for copper pipes Ø inch	for steel pipes Ø inch	g	No.
1	10 - 12	1/2″	1/8″	60	**65035**
2	14 - 15	-	1/4″	60	**65036**
3	16 - 18	5/8″	3/8″	70	**65037**
4	22	3/4 - 7/8″	1/2″	70	**65038**
5	28	1.1/8″	3/4″	110	**65039**
6	35	1.3/8″	1″	110	**65040**
7	42	1.5/8″	1.1/4″	210	**65041**
8	-	-	1.1/2″	210	**65042**
10	-	-	2″	250	**65044**





Inspection and locating

System overview 204 - 205

Video inspection

- ROSCOPE mini 206
- ROSCOPE i2000 207
- Inspection modules for ROSCOPE i2000 208 - 209
- Locating module ROLOC Plus 210
- ROSCOPE i2000 and ROCAM 4 Plus app 211
- ROCAM 4 Plus 212 - 213
- ROCAM 4 Plus accessories 213 - 215

ROSCOPE family





ROSCOPE mini

ROSCOPE i2000 modules

	ROSCOPE mini	Module TEC	Module 25/16	Module 25/22	Module ROLOC PLUS
					
Application:	Hollow spaces	Hollow spaces	Ø 50-100 mm	Ø 40-100 mm	Locating of sondes
Display size:	2.5″	3.5″	3.5″	3.5″	3.5″
Touchscreen:	–	✓	✓	✓	–
Cable length:	1.2 m	1 m	16 m	22 m	–
Cable-Ø:	5.5 mm	9 mm	8.5 mm	5.5 mm	–
Camera head-Ø:	8.5 mm	17 mm	25 mm	25 mm	–
Self levelling:	180°	✓	✓	–	–
Transmitter:	–	–	✓	–	–
Frequency:	–	–	512 Hz	–	512 Hz, 640 Hz, 33 kHz
Picture format:	JPG	JPG	JPG	JPG	–
Picture resolution:	320 x 240 pixel	320 x 240 pixel	640 x 480 pixel	320 x 240 pixel	–
Video format:	–	AVI	AVI	AVI	–
Video resolution:	–	320 x 240 pixel	320 x 240 pixel	320 x 240 pixel	–
Storage:	On-board	SD-card	SD-card	SD-card	–
WiFi:	–	✓	✓	✓	–
Protocol feature:	–	–	–	–	–
Audio-recording:	–	✓	✓	✓	–
Data handling:	–	via app	via app	via app	–
Page	**206**	**208**	**209**	**208**	**210**

ROCAM 4 Plus



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:	✓	✓	✓
Page	**212**	**213**	**213**

* More information at cordless-alliance-system.com

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

APPLICATION AREA

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.

KEY FEATURES

- Intuitive handling with the first touch
- The Ø 8.5mm camera head and the 120 cm camera cable are perfect for minor works and are maximizing the pace of work
- Electronical 180° rotation for the perfect perspective in every situation
- Waterproofed camera head
- Tool less mounting of accessories like the magnet or 90° mirror

TECHNICAL DATA

Dimensions:	152 x 90 x 40 mm
Display size:	2.5"
Cable length:	1.2 m
Cable-Ø:	5.5 mm
Cable head-Ø:	8.5 mm
Leveling:	180°
Storage:	30 pictures

Adjustable illumination

7 light levels for best lighting conditions

Ø 8.5 mm waterproof camera head

Perfect working conditions in small diameters

1.2 m camera cable

For quick and easy inspection



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

Intuitive handling

Self-explanatory service in live and review mode

Accessories included

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



Magnet-accessory



Mirror-accessory

Quick inspection of hollow spaces before and after installations



Always ready to hand, due to handy belt clip



Set (No. 1000002268) includes: ROSCOPE mini basic unit, mirror and magnet accessories, 4x AA batteries, ROBOX B2350 (No. 1500002641)

Model	No.
ROSCOPE mini set	**1000002268**

[1] Complete terms and conditions at rothenberger.com/roservice. RO SERVICE+ only valid in participating countries.

ROSCOPE i2000

Inspection and locating technology combined in one unit with multiple functions. Modular system allows for various applications.

WiFi USB RO CASE RO SERVICE+ [1)]

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

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

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

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

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



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

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

Display:	3.5" touchscreen (color) (technical data about basic unit available on page 208)
Camera head:	Ø 17 mm, **self-leveling** and waterproof, with 4 LED lights
Brightness:	100 LUX (0.5 m)
Cable length:	1 m
Power supply:	Li-Ion battery 3.7 V / 5.2 Ah
Weight:	0.9 kg

Self-levelling camera head





No. 69615



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	1500000696
Module TEC (without basic unit)	69601

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

Cable length: 22 m!

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

Display:	3.5" touchscreen (color) (technical data about basic unit available on page 192)
Camera head:	Ø 25 mm, waterproof, with 8 LED lights
Brightness:	100 LUX (0.5 m)
Cable length:	22 m
Cable diameter:	5.5 mm
Power supply:	Li-Ion battery 3.7 V / 5.2 Ah
Weight:	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	1000000860
Module 25/22 (without basic unit)	69603
Guidance ball for module 25/16 and 25/22	74629

Inspection of rain downpipes



Inspection of floor drains



[1] Complete terms and conditions at rothenberger.com/roservice. RO SERVICE+ only valid in participating countries.

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

Display:	3.5" touchscreen (color) (technical data about basic unit available on page 208)
Camera head:	Ø 25 mm, **self-leveling** and waterproof, with 4 extra bright LED lights
Brightness:	125 LUX (0.5 m)
Cable length:	16 m
Cable diameter:	8.5 mm
Frequency:	512 Hz
Power supply:	Li-Ion battery 3.7 V / 5.2 Ah, 2 AA batteries (transmitter)
Weight:	3.9 kg

Simple locating of the camera head with the integrated transmitter!

WiFi

Easy data transfer to mobile devices

Integrated transmitter

For the precise locating of the camera head

3.5" touchscreen

320 x 240 Pixel resolution

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

Guidance ball for module 25/16 and 25/22

For centring of the camera head, better illumination of the pipe



No. 74629

Inspection of access line



Inspection of rain drainpipes



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	1000000842
Module 25/16 (without basic unit)	1500000052
Guidance ball for module 25/16 and 25/22	74629

[1] Complete terms and conditions at rothenberger.com/roservice. RO SERVICE+ only valid in participating countries.

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) 67 x 32 x 9 (transportation mode)
Weight:	1.4 kg

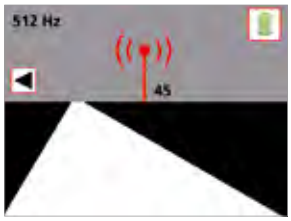


Easy to use pipe and sonde locating device incl. precise depth measurement

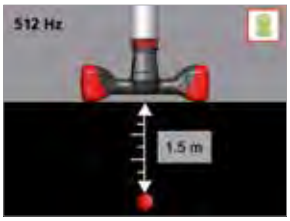
Also for use with ROCAM 4 Plus



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	1000000861
+ module TEC	
Module ROLOC PLUS (without basic unit i2000)	1500000057

[1] Complete terms and conditions at rothenberger.com/roservice. RO SERVICE+ only valid in participating countries.

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!



Inspection of basin drains



Sending of edited pictures directly from the place of action

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



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

Cover protected connections for SD-Card, Micro-Hdmi, Mini-USB



Locating with ROSCOPE module ROLOC PLUS



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

[2] More information at cordless-alliance-system.com
[1] Complete terms and conditions at 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 65 m / 30 m / 8 m

Large operating range from Ø 40 mm pipe diameter



Transport trolley with extendible handle

Comfortable transport over long distances

New platform based battery technology



Transport trolley with extendible 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

[2] More information at cordless-alliance-system.com
[1] Complete terms and conditions at rothenberger.com/roservice. RO SERVICE+ only valid in participating countries.

ROCAM camera heads

Camera heads made of high-quality materials for professional inspection of pipes from Ø 70 up to 300 mm

RO SERVICE+ [1]

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° curveablity in pipes up to Ø 70 mm when enough stability is provided
- Pressure tight up to 3 bar with the stainless steel casing
- Scratch and impact resistant with the sapphire glass objective

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 Ø 40 mm with 36 LED lights self-leveling and waterproof
Brightness:	175 LUX (0.5 m), camera head Ø 30 mm 666 LUX (0.5 m), camera head Ø 40 mm

Always an upright picture!



10

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

[1] Complete terms and conditions at rothenberger.com/roservice.
RO SERVICE+ only valid in participating countries.

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



No. 69118



No. 69119

Model	g	No.
For camera heads Ø 40 mm:		
Rolling skids Ø 150 mm	700	**69118**
Rolling skids Ø 200 mm	700	**69119**
For camera head Ø 30 mm::	700	**69118**
Adapter Ø 30 to Ø 40mm	45	**1000001836**

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



Brush attachement spiral feather (rear)



Brush attachement camera head (front)

*Use with guidance ball No. 69112 / 1500000817

Model	g	No.
Brush attachment Ø 100*	200	**69113**
Brush attachment Ø 150*	300	**69117**

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



No. 69112 / 1500000817



No. 69111 / 1500000120

Model	g	No.
For camera heads Ø 30 mm:		
Guidance ball for Ø 150 mm	200	**1500000120**
Guidance ball for brush attachments	200	**1500000817**
For camera heads ø 40 mm:		
Guidance ball for ø 200 mm	200	**69111**
Guidance ball for brush attachments	200	**69112**

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

CAS CORDLESS ALLIANCE SYSTEM [2]

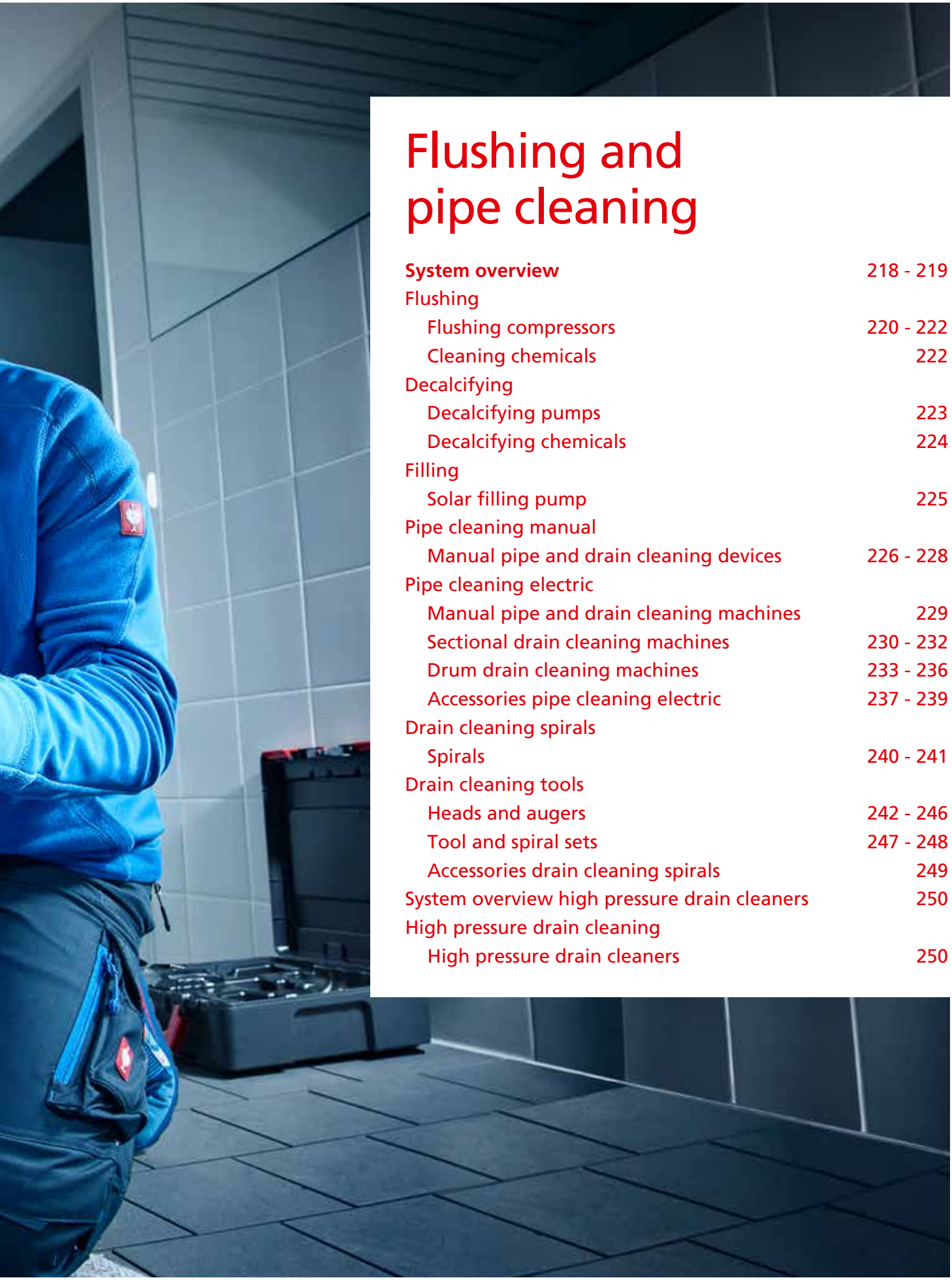




Model	No.
RO BP18/4, 4.0 Ah 18V Li-Power battery	**1000001653**
RO BC14/36, battery charger, 230 V, EU	**1000001654**
ROCAM 4 Plus adaptor, 230 V, EU	**1000002085**

[2] More information at cordless-alliance-system.com





Flushing and pipe cleaning

System overview 218 - 219
Flushing
- Flushing compressors 220 - 222
- Cleaning chemicals 222

Decalcifying
- Decalcifying pumps 223
- Decalcifying chemicals 224

Filling
- Solar filling pump 225

Pipe cleaning manual
- Manual pipe and drain cleaning devices 226 - 228

Pipe cleaning electric
- Manual pipe and drain cleaning machines 229
- Sectional drain cleaning machines 230 - 232
- Drum drain cleaning machines 233 - 236
- Accessories pipe cleaning electric 237 - 239

Drain cleaning spirals
- Spirals 240 - 241

Drain cleaning tools
- Heads and augers 242 - 246
- Tool and spiral sets 247 - 248
- Accessories drain cleaning spirals 249

System overview high pressure drain cleaners 250

High pressure drain cleaning
- 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:	–	✓
Page:	221	220

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:	–	–	–	–	–
Page:	228	228	229	227	227

	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
Page:	236	236	236	230	230

11

* only usable with collet, clamping jaws or adaptor magazine (see page 238)

Decalcifying

	ROCAL 20	ROMATIC 20
		
Tank volume:	15 l	15 l
Volume flow:	40 l/min	40 l/min
Delivery height:	10 m	10 m
Motor rating:	150 W	150 W
Max. temperature:	50 °C	50 °C
Flow reversal:	Manual	Automatic
Page:	223	223

Pipe cleaning

	ROSPI 10 H+E Plus	Manual drain cleaner 3 S	RODRUM S 10	RODRUM S 13	RODRUM VarioClean
					
					CAS[1]
	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	–
	227	228	233 - 234	233 - 234	235

	R 600 VarioClean	R 650	R 750	RODRUM L 20
				
	CAS[1]			
	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
	231	232	232	236

* only usable with collet, clamping jaws or adaptor magazine (see page 238)
** With additionally available accessories
[1] More information at cordless-alliance-system.com

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 – Documentation
✓ Easy
✓ Fast
✓ Professional

ROPULS eDM App with documentation feature



ROPULS eDM with ROCLEAN function for cleaning and conservation



ROCLEAN function, optional available for ROPULS eDM and ROPULS Flushing compressor!

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

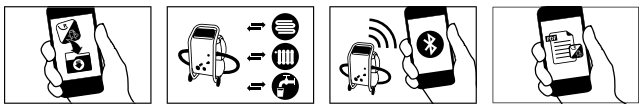
[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2] Only for Android devices

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)

RO SERVICE+ [1] | 230 V



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

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	1500003517

ROCLEAN cleaning and conservation on page 222









[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2] Only for Android devices

Flushing and pipe cleaning

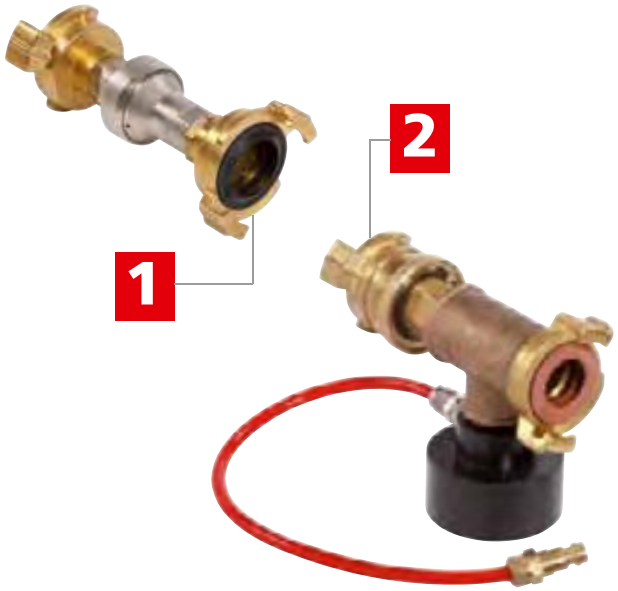
Flushing

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	
Step 1: Mechanical cleaning	
Step 2: Chemical cleaning	
Srep 3: 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.)	●	6.3	1	1500000200
– Surface heating systems (6 pcs.)	●	6.3	1	1500000201
Preservative (6 pcs.)	●	6.3	1	1500000202
Disinfection (6 pcs.)	●	6.3	1	1500000157

ROCAL 20 / ROMATIC 20

Decalcifying pump with flow direction change

RO SERVICE+ [1] 230 V

Product profile

RANGE OF USE

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

KEY FEATURES

- With the help of the flow reversal (change of the direction of flow) even very hard calcifications and deposits can be loosed
- Only ROMATIC: Running time of the pump and flow reversal can be programmed, which enables comfortable operation
- Approved for fluid temperatures up to 50 °C for especially efficient decalcifying
- Constant circulation of the decalcifying chemical prevents damage that can be caused by the development of gas during decalcification

TECHNICAL DATA

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

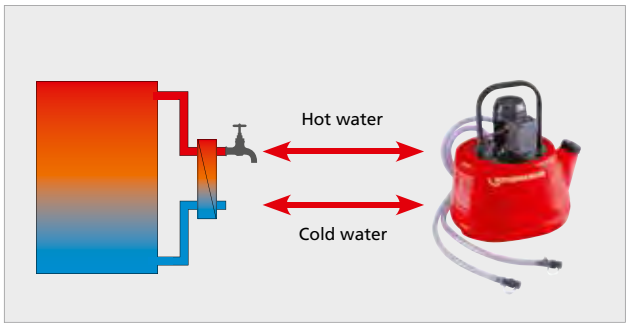


Fig. ROCAL 20

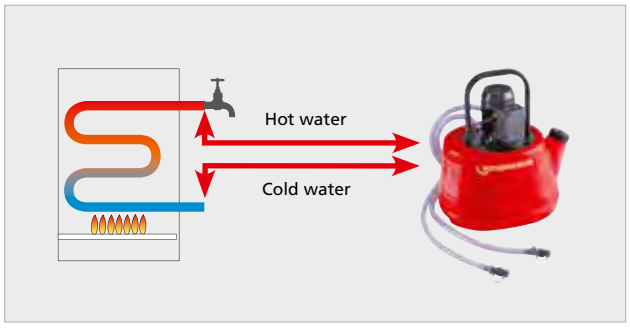


Fig. ROMATIC 20

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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

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

11

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

230 V

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 accidential spill

TECHNICAL DATA

Dimensions (H × W × 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



Height-adjustable telescopic grip (76 - 110 cm)

Small and flexible if required

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

Heat resistant hoses (up to 100 °C)

Safe working – also when servicing solar plant with kink protection at the hose connection

Optional: impeller pump

Small particles of solid materials are also conveyed without difficulty

A dirt filter with sight glass

Filters residues out of the medium

Model	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

Return flow cover with filter



Hose connection with anti-kink protection



Ball valve



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



Adaptor short
No. 72072

Short and long adaptor included in scope of delivery!

Adaptor long
No. 72071



Adaptor wide
No. 72073

Short adaptor



Long adaptor



Model	kg	No.
ROPUMP SUPER PLUS	2.00	072070X
with 2 adaptors (long, short)		
ROPUMP SUPER PLUS	3.30	1000001762
3 adaptors (long, short, wide) and toolbag		
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

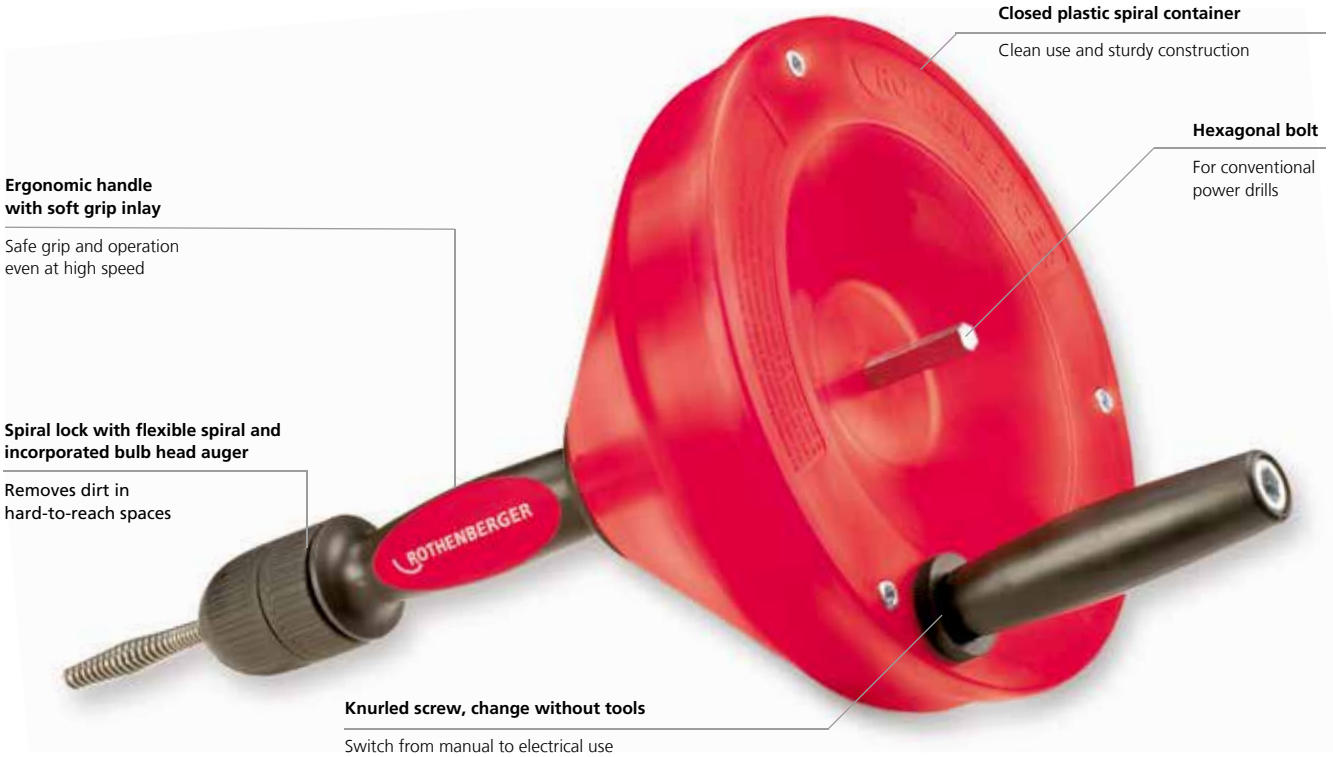
Product profile

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



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

Manual operation



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



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

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

Application range:	20 - 50 mm
Spiral with inner-core and Bulb auger:	Ø 8 mm x 7.5 m
Dimensions (without spiral):	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	1000002298
ROSPIMATIC CL set, w. 2nd spiral + cross-blade auger	1000002299
Spiral 8 mm x 7,5 m, w. bulb auger and steel core	72413
Spiral 8 mm x 7,5 m, with coupling and core	72425
Tool set 8 mm (4 pcs.)	72942
Protection hose f. ROSPIMATIC CL	72542

Easy connection to professional cordless drill driver



For additional accessories see 240

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries



Model	kg	230 V
R 550 w/ guide hose	16.0	72686

Tool sets and accessories starting on 238

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

For pipe diameters:	Ø 20 - 100 mm
Direct attachment:	Ø 16 mm spirals
Max. working length:	40 m with Ø 16 mm S-spirals
Rating:	440 W (power input)
Voltage:	230 / 110 / 115 V, 50 Hz
Speed:	583 rpm, RH and LH drive
Weight:	16.0 kg



Model	kg	230 V
R 600 w/ guide hose	20.9	72687

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

For pipe diameters:	Ø 20 - 150 mm
With direct attachment:	Ø 22 and 16 mm spirals
With adaptor magazine:	Ø 8 and 10 mm
Max. working length:	60 m with Ø 22 mm S-spirals 50 m with Ø 16 mm S-spirals 10 m with Ø 8 and 10 mm spirals
Rating:	690 W (power input)
Voltage:	230 / 110 / 115 V, 50 Hz
Speed:	467 rpm, RH and LH drive
Weight:	20.9 kg

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

R 600 VarioClean

Drain cleaning machine for pipe Ø 20 - 150 mm

For working in service areas, hospitals and non-municipal facilities, especially in areas without power supply.

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

Working range:	Ø 20 - 150 mm
Max. working length:	50 m (with 16 mm spiral) 60 m (with 22 mm spiral)
Speed:	427/527/614 rpm
Product dimension:	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

18 V CAS-battery system

Powerful 18 V 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 18 V Power with the CAS-battery system



Model	kg		No.
R600 VarioClean baretool	13.0	1	1000003345
R600 VarioClean baretool with battery Li-HD, 8.0 Ah 18 V and battery charger	18.7	1	1000003372
R600 VarioClean with DuraFlex SMK spiral-/tool set 16 + 22 mm and battery 8.0 Ah 18 V incl. battery charger	50.7	1	1000003346

For spare spirals see 249

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

[2] More information at cordless-alliance-system.com

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

RO SERVICE+ [1] 230 V

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

For pipe diameters:	Ø 20 - 150 mm
Direct attachment:	Ø 22 and 16 mm spirals
With adaptor magazine:	Ø 8 mm and 10 mm
Max. working length:	65 m with Ø 22 mm S-spirals 55 m with Ø 16 mm S-spirals 10 m with Ø 8 and 10 mm spirals
Rating:	1,350 W (power input)
Voltage:	230 V, 50 Hz
Speed:	623 rpm, RH and LH drive
Weight:	22.8 kg



Model	kg	230 V
R 650 w/ guide hose	22.8	72688

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

RO SERVICE+ [1] 230 V

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

For pipe diameters:	Ø 20 - 200 mm
With direct attachment:	Ø 32 and 22 mm spirals
With clutch jaw:	Ø 16 mm
Max. working length:	80 m with Ø 32 mm S-spirals 70 m with Ø 22 mm S-spirals 55 m with Ø 16 mm S-spirals
Rating:	1,400 W (power input)
Voltage:	230 V, 50 Hz
Speed:	467 rpm, RH and LH drive
Weight:	33.5 kg



Model	kg	230 V
R 750 w/ guide hose	33.5	72689

Tool sets and accessories starting on 238

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

RODRUM S

Drum drain cleaning machine with automatic spiral feed. For pipes from Ø 40 - 100 mm. Perfectly suited for use in public and commercial buildings.

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

Pipe cleaning electric

RO SERVICE+ [1] | 110 V | 230 V

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

Working range/pipe diameter:	Ø 40 - 100 mm
Max. working length:	10 m (with 10 mm Spirals) 15 m (with 13 mm Spirals)
Power (input):	440 W
Speed (drum):	300 rpm
Product dimensions:	58 x 33 x 39 cm

Cleaning of floor drain with 13 mm spiral



Convenient transport thanks to detachable drum



Interchangable drum for different working ranges



Model	kg	230 V 50 Hz
RODRUM S 10 EU	18.9	1000001256
RODRUM S 13 EU with tool kit	25.7	1000001257
Spiral 13 mm x 15 m with reinforced wire		72016

Set (No. 1000001256) includes: RODRUM S 10, guide hose (No.1300002581), spiral guide gloves (No.1500000439)

Set (No. 1000001257) includes: RODRUM S 13, spiral guide gloves (No.1500000439), chain spinning head (No. 072185F), cross blade cutter (No.72176), forked cutter (No.72164), bulb auger (No. 72163), retrieving auger (No. 72162), straight auger (No. 72161), seperating pin (No.72100), guide hose (No.1300002581), ROCASE (No. 1300003334) with inlay (No. 1300003372)

Set (No. 1000001308) includes: chain spinning head (No. 072185F), cross blade cutter (No.72176), forked cutter (No.72164), bulb auger (No. 72163), retrieving auger (No. 72162), straight auger (No. 72161), seperating pin (No.72100), ROCASE (No. 1300003334) with inlay (No. 1300003372)

ACCESSORIES

Model	kg	No.
RODRUM S 10 Drum	5.5	1000001275
RODRUM S 13 Drum	11.4	1000001276
Tool kit 16 mm	5.5	1000001308

Spirals, Drain cleaning tools 241







[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

RODRUM VarioClean

The RODRUM VarioClean is a compact drum machine for removing blockages in pipes from 40 - 100 mm diameter. Through its clean and discrete work it is ideally suited for sanitary businesses, janitors, drain cleaners or for use in households, catering and hotels or public buildings because the dirty spiral moves into the drum during the return.

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

LED site light
Perfect illumination of the work area

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

Brushless Motor
For wear-free work and longer machine life

18 V CAS-battery sytem
Powerful 18V battery for a running time up to 50 minutes

2 in 1 feeding unit
Suitable for 10 mm and 13 mm spirals

Pneumatic foot switch
For hands free safe working

Mount for tripod
Optimum working height for cleaning WC and washbasin sink drains

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

Model	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 8.0 Ah 18 V, battery charger	26.6	1	1000003371
RODRUM VarioClean with DuraFlex spiral 13 mm/15 m, tool set 16 mm, battery Li-HD 8.0 Ah 18 V, 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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

[2] More information at cordless-alliance-system.com

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.

RO SERVICE+ [1] | 110 V | 230 V

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 housholds, as well as public buildings like hotels or restaurants

TECHNICAL DATA

Working range/pipe diameter:	Ø 70 - 250 mm
Power (input):	620 W
Speed (drum):	270 r/min.
Product dimensions:	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 neccessary for different spiral diameters

Rubber feed

No damage of the floor

Model	Spiral-Ø	max. L m	mm
S 10	10 mm x 10 m	10	bis 50
S 13	13 mm x 15 m	15	70 - 100
M 13	13 mm x 15 m	30	70 - 100
M 16	16 mm x 15 m	45	75 - 125
L 16	16 mm x 30 m	45	75 - 125
L 20	20 mm x 20 m	60	125 - 250

Model		kg	230 V 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

Interchangeable drums for adaption of the working range



[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

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. 2 x 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.
Straight auger, 20 mm*	0.32	1500002253
Funnel auger, 20 mm*	0.55	1500002254
Bulb auger, 20 mm*	0.40	1500002255
Retrieving auger, 20 mm*	0.12	1500002256
Peak-head auger, 20 mm*	0.40	1500002257
Cross-blade cutter 50, 20 mm*	0.16	1500002258
Cross-blade cutter 65, 20 mm*	0.23	1500002259
Cross-blade cutter 90, 20 mm*	0.39	1500002260
Chain-spinning head, 4 chains, 20 mm*	0.30	1500002261
Forked cutter 60, 20 mm*	0.10	1500002262

* all 20 mm augers with square coupling

Model	kg	No.
Forked cutter 80, 20 mm*	0.15	1500002263
Forked cutter 100, 20 mm*	0.20	1500002264
Two-way root cutter 65, 20 mm*	0.39	1500002265
Two-way root cutter 90, 20 mm*	0.46	1500002266
Adaptor, square-coupling to 22 mm T-coupling	0.25	1500002267
Spiral 13x15 with inner core	10.8	1500002271
Spiral 16x15 with inner core	15.5	72918
Spiral 20 mm x 20 m w. inner core and square coupling	33.5	1500002268
RODRUM tool kit 16 mm		1000001731
RODRUM tool kit 20 mm		1000001732



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





No. 72538



No. 72536



No. 72638



No. 72666



No. 72563

Clutch jaws

For machine type	For spirals-Ø	kg	No.
R 550			
(from serial No. 411542)	16 mm	0.1	**72538**
(up to serial No. 411541)	16 mm	0.1	**72536**
R 600/650			
(from serial No. 409001)	16 and 22 mm	0.3	**72638**
(up to serial No. 409000)	16 and 22 mm	0.3	**72666**
R 750	22 and 32 mm	0.4	**72563**
R 80/100 SP/R140 B	22 mm	0.4	**72561**
R 80/100 SP	32 mm	0.3	**72562**



No. 72514, No. 72515



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	**72514**
R 600/650	10 mm	10 m	1.8	**72515**



Clutch jaw for R 750

For machine type	For spirals-Ø	kg	No.
R 750	16 mm	0.3	**72915**

Ensures safe, kink-free spiral feed



No. 72541



No. 72559

With precision quick coupling

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	**72540**
FS 22	R 600 / 650	22 mm	4 m	2.8	**72541**
FS 32	R 750 / 80 / 100 SP	32 mm	4 m	4.1	**72559**



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	**58182**

Spiral retrieving device

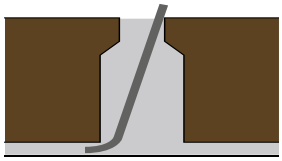
- Safe feeding / retrieving of spirals in downpipes
- Suitable for all Ø 22 and 32 mm open-wound spirals
- Suitable as pusher unit for difficult obstructions
- Also suitable as adaptor for third-party equipment without problems
- With water supply connection (two 1" threaded couplings)
- Socket for tripod stand



Model	kg	No.
Spiral retrieving device	3.7	72135

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	72130

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	72142
Plastic canister	5.0 l	5,100	72140

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. 72120 / 72121



No. 1500000439

Model	g	No.
Guide gloves left, leather	190	72120
Guide gloves right, leather	190	72121
Guide gloves (pair), rubber	160	1500000439

Separating pin

- For disconnecting spirals and spiral tools



No. 72100



No. 72101

Model	g	No.
For spirals / tools with Ø 16 mm	20	72100
For spirals / tools with Ø 22 and 32 mm	30	72101
For spirals / tools with Ø 8 mm	15	72102

Spiral baskets

- Safe storage combined with convenient transport
- Perfectly suited for cleaning and preservation



No. 72110



No. 72111



No. 72112

Model	Spiral length max.	kg	No.
For spirals / tools w/ Ø 16 mm	34.5 m	1.3	72110
For spirals / tools w/ Ø 22 mm	22.5 m	1.6	72112
For spirals / tools w/ Ø 22, 32 mm	22.5 m	2.3	72111

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

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

ROTHENBERGER lockring

With lockring Plus ROTHENBERGER TECHNOLOGY

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



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	m	kg	No.
16	●	5/8″	2.3	1.3	72490

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	m	Wire thickness Ø mm	R/K Type	kg	No.
16	5/8″	2.3	3.0	C 8	1.05	72431
22	7/8″	4.5	4.5	C 10	3.98	72441
32	1.1/4″	4.5	5.0	C 11	6.29	72451

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	m	Wire thickness Ø mm	R/K Type	kg	No.
16	5/8″	2.3	3.0	C 8	1.24	72433
22	7/8″	4.5	4.5	C 10	4.64	72442
32	1.1/4″	4.5	5.0	C 11	7.63	72452

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	m	Wire thickness Ø mm	R/K Type	kg	No.
16	5/8″	2.3	3.5	E 8	3.00	72428
22	7/8″	4.5	5.0	E 10	4.18	72443
32	1.1/4″	4.5	6.0	E 11	6.80	72453

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	m	Wire thickness Ø mm	R/K Type	kg	No.
16	5/8″	2.3	3.5	E 8	1.30	72435
22	7/8″	4.5	5.0	E 10	4.78	72444
32	1.1/4″	4.5	6.0	E 11	7.85	72455

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	1500003703
DuraFlex SMK spiral, 22 mm/7/8″	3.8	1	1500003704

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

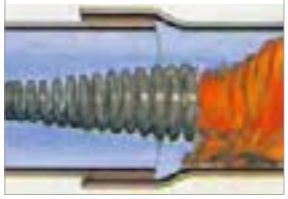


Funnel auger

243



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

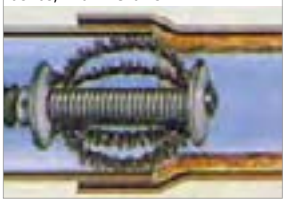


Chain-spinning head with spikes

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

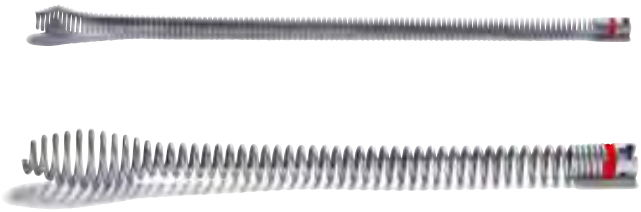


Special tool for cutting roots in both directions. Also suitable for solid materials



Bulb auger, long

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



Coupling mm / Inch	mm	mm	Working range mm	g	No.
16 / 5/8"	28	500	40 - 75	220	72158
22 / 7/8"	40	500	50 - 100	464	72208

Bulb Auger, short

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



Coupling mm / Inch	mm	mm	Working range mm	g	No.
16 / 5/8"	28	115	40 - 75	70	72163
22 / 7/8"	40	180	75 - 100	220	72263
32 / 1.1/4"	50	220	75 - 250	490	72363

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 mm / Inch	mm	mm	Working range mm	g	No.
16 / 5/8"	16	110	40 - 75	60	72161
22 / 7/8"	22	210	75 - 100	170	72221
32 / 1.1/4"	32	220	100 - 250	350	72321

Retrieving auger

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



Coupling mm / Inch	mm	mm	Working range mm	g	No.
16 / 5/8"	35	55	50 - 75	35	72162
22 / 7/8"	45	100	75 - 150	110	72203
32 / 1.1/4"	65	125	75 - 250	240	72325

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 mm / Inch	mm	mm	Working range mm	g	No.
16 / 5/8"	32	110	50 - 100	80	72165
22 / 7/8"	55	185	110 - 150	280	72222
32 / 1.1/4"	60	195	100 - 250	500	72322

Drop-head auger

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



Coupling mm / Inch	mm	mm	Working range mm	g	No.
16 / 5/8"	24	83	50 - 75	60	72159
22 / 7/8"	37	125	60 - 100	180	72264

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 mm / Inch	mm	L mm	Working range mm	g	No.
16 / 5/8"	40	40	50 - 75	30	72154
16 / 5/8"	30	40	50 - 75	20	72164



No. 72234

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

Grease cutter

Coupling mm / Inch	mm	L mm	Working range mm	g	No.
16 / 5/8"	25	35	40 - 75	30	72169
16 / 5/8"	35	45	50 - 75	40	72170
16 / 5/8"	45	56	60 - 100	50	72171
22 / 7/8"	45	60	60 - 125	80	72234



No. 72261

Spade head cutter

- Curved special tool for silt and sludge deposits

Coupling mm / Inch	mm	L mm	Working range mm	g	No.
22 / 7/8"	65	65	100 - 150	150	72261
32 / 1.1/4"	65	70	100 - 150	250	72360



No. 72229

Spiral sawtooth cutter

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

Coupling mm / Inch	mm	L mm	Working range mm	g	No.
16 / 5/8"	35	25	50 - 75	40	72166
22 / 7/8"	45	40	75 - 100	100	72229
32 / 1.1/4"	65	55	75 - 100	210	72329

11

- **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 mm / Inch	mm	L mm	Working range mm	g	No.
16 / 5/8"	25	35	50 - 75	30	72175
16 / 5/8"	35	45	50 - 75	40	72176
16 / 5/8"	45	56	75 - 100	65	72177
16 / 5/8"	55	60	100 - 125	80	72178
22 / 7/8"	45	60	100 - 125	90	72275
22 / 7/8"	65	60	100 - 150	190	72276
22 / 7/8"	75	80	100 - 150	220	72277
32 / 1.1/4"	65	70	100 - 150	260	72375
32 / 1.1/4"	90	100	125 - 200	490	72376
32 / 1.1/4"	115	120	150 - 250	640	72377

Chain-spinning heads

Without ring, with smooth chain

KEY FEATURES

- For cleaning greasy and incrusted pipes
- Surface-preserving cleaning or 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 mm / Inch	mm	mm	Working range mm	g	No.
Without ring, with 2 chains					
16 / 5/8"	30	105	50 - 125	120	072185F
16 / 5/8"	30	155	100 - 125	160	72185
22 / 7/8"	50	170	100 - 150	530	72284
Without ring, with 4 chains					
16 / 5/8"	40	155	60 - 125	270	72187
22 / 7/8"	60	170	80 - 130	710	72289

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!



No. 72278

Chain-spinning heads with ring and spikes

Coupling mm / Inch	mm	mm	Working range mm	g	No.
22 / 7/8"	65	170	100 - 125	1,060	72285
22 / 7/8"	75	170	100 - 150	1,110	72286
32 / 1.1/4"	75	220	100 - 125	1,700	72341

For better curve manoeuvrability!



No. 72188

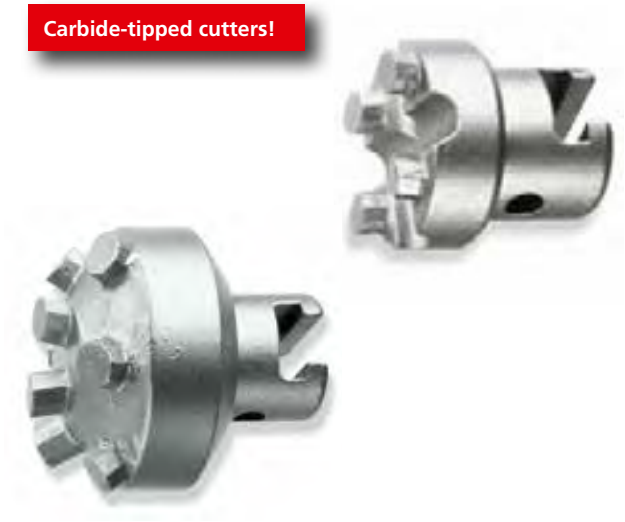
Without ring, with 2 or 4 chains and spikes

Coupling mm / Inch	mm	mm	Working range mm	g	No.
Without ring, with 2 chains					
16 / 5/8"	30	155	50 - 125	160	72186
22 / 7/8"	50	170	100 - 150	860	72278
Without ring, with 4 chains					
16 / 5/8"	40	155	75 - 125	280	72188
22 / 7/8"	60	170	100 - 150	880	72299
32 / 1.1/4"	80	220	100 - 200	1,460	72348

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 mm / Inch	mm	Form	Working range mm	g	No.
16 / 5/8"	30	straight	50 - 75	80	**72193**
22 / 7/8"	45	pointed	60 - 100	320	**72295**
32 / 1.1/4"	80	straight	100 - 200	530	**72398**

Serrated forked cutter

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



No. 72250



No. 72251

Coupling mm / Inch	mm	L mm	Working range mm	g	No.
22 / 7/8"	76	100	100 - 150	230	**72250**
22 / 7/8"	100	100	125 - 150		**72251**
32 / 1.1/4"	76	100	120 - 200	260	**72350**
32 / 1.1/4"	100	100	125 - 200		**72351**

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!



No. 72265



No. 72266

Coupling mm / Inch	mm	L mm	Working range mm	g	No.
22 / 7/8"	65	80	100 - 125	250	**72265**
22 / 7/8"	90	85	125 - 200	290	**72266**
32 / 1.1/4"	65	80	100 - 125	290	**72365**
32 / 1.1/4"	90	90	125 - 200	330	**72366**

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°



No. 72326



No. 72227

Coupling mm / Inch	Working range mm	mm	g	No.
4 Blades				
16 / 5/8"	50 - 75	25	42	**72168**
16 / 5/8"	50 - 75	35	80	**72172**
22 / 7/8"	100 - 125	55	198	**72223**
22 / 7/8"	100 - 150	75	438	**72224**
22 / 7/8"	100 - 150	95	634	**72226**
32 / 1.1/4"	100 - 125	55	228	**72324**
32 / 1.1/4"	100 - 150	75	468	**72326**
8 Blades				
22 / 7/8"	125 - 150	90	1,025	**72227**
22 / 7/8"	125 - 150	115	1,225	**72228**
32 / 1.1/4"	125 - 200	95	1,108	**72327**
32 / 1.1/4"	150 - 200	115	1,256	**72328**

Tool set L

RO CASE

Ø 16 mm, 10 pieces



Set (No. 72936) includes: ROCASE (No. 1300003334) with inlay (No. 1300003372), separating key 16 mm (No. 72100), retrieving auger 16 mm (No. 72162), bulb auger 16 mm (No. 72163), serrated forked cutter 16 mm (No. 72164), blade cutter 16/25 mm (No. 72169), cross-blade cutter 16/45 mm (No. 72177), chain-spinning head 16 mm with 2 smooth chains (No. 72185), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142)

Model	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

RO CASE

Ø 22 mm, 11 pieces



Set (No. 72938) includes: ROCASE (No. 1300003334) with inlay (No. 1300003372), separating key 22 mm (No. 72101), retrieving auger 16 mm (No. 72203), serrated forked cutter 22 mm (No. 72250), spade head cutter 22/65 mm (No. 72261), bulb auger 22 mm (No. 72263), two-way root cutter 22/65 mm (No. 72265), cross-blade cutter 22/65 mm (No. 72276), chain-spinning head 22 mm with 2 smooth chains (No. 72284), guide gloves, left/right (No. 1500000439), ROWONAL spiral spray (No. 72142)

Model	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

Spiral and tool sets

RO CASE

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	072945X

Spiral and tool sets

RO CASE

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	072956X
SMK 16 - 22 mm	with SMK-spirals	39.0	072967X

Spiral and tool sets

RO CASE

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	072955X

Spiral and tool sets

RO CASE

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	072962X

DuraFlex spiral and tool set

RO CASE

Standard Ø 16 / 22 mm





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

- The wire diameter with an 8 mm spiral averages Ø 2 mm, and with 10 mm spirals Ø 2.5 mm
- Easy to use, even in tight bends, especially with 8 mm spirals also directly through sink strainers, crosses and drains without having to disassemble the drain or stench tap

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



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

Fixing of broken spirals!

Model	g	16 mm 5/8"	g	22 mm 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

High-pressure drain cleaning

	HD 13/100	HD 17/190
		
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

230 V

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 delievery:	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	kg	230 V / 50 Hz	
High-pressure pipe cleaning unit HD 13 / 100	45.0		**76020**

HD 17/190

400 V

190 bar high-pressur with three-phase mo

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	**Electric motor:**	Three phase
Pump delivery:	17 l/min	**Rating:**	5.0 kW
Max. working length:	40 m	**Speed:**	2,800 rpm

Scope of delivery: HD 17 / 190 (No. 76070), hose reel with 40 m special high-pressure hose DN 8 with couplings (No. 72820) and pipe cleaning nozzle (No. 76089)

Model	kg	400 V / 50 Hz	
High-pressure pipe cleaning unit HD 17 / 190	50.0		**76070**

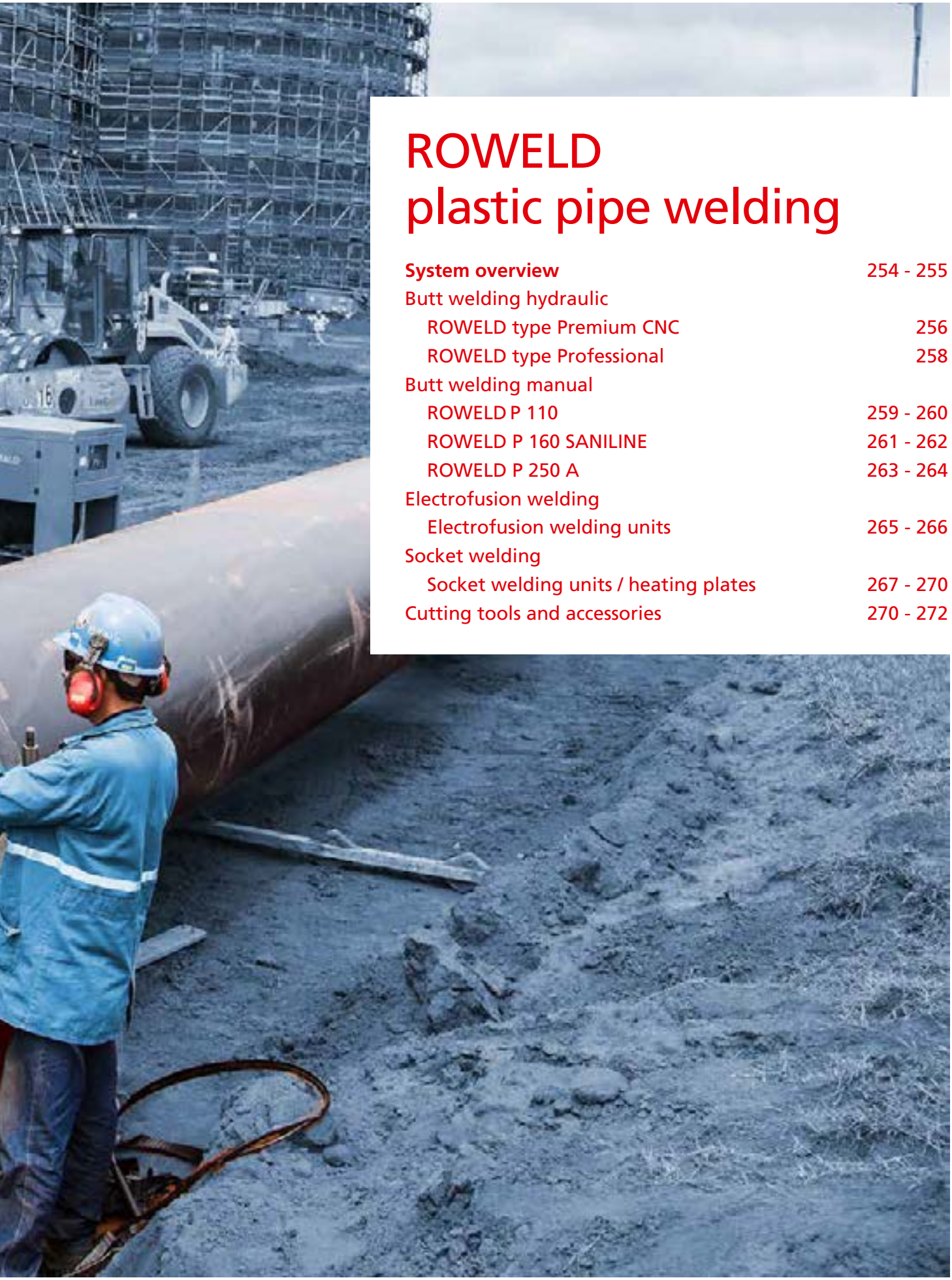
ACCESSORIES HD 13/100 – 17/190 – 19/180



No. 76067

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	**72820**
Pipe cleaning nozzles R1/4", stainless steel	0.04	**76089**
excl. forward jet spray, 4 holes, Ø 25 x 22 mm		
incl. forward jet spray, 5 holes, Ø 25 x 22 mm	0.04	**76065**
Rotary nozzle 45°, 4 holes, Ø 16 x 30 mm	0.08	**77506**
Cleaning lance with wide-angle nozzle	1.30	**76068**
for surface cleaning		
Spare wide-angle nozzle	0.01	**76088**


CAT
ROTHENBERGER
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ROWELD
plastic pipe welding

System overview 254 - 255

Butt welding hydraulic

- ROWELD type Premium CNC 256
- ROWELD type Professional 258

Butt welding manual

- ROWELD P 110 259 - 260
- ROWELD P 160 SANILINE 261 - 262
- ROWELD P 250 A 263 - 264

Electrofusion welding

- Electrofusion welding units 265 - 266

Socket welding

- Socket welding units / heating plates 267 - 270

Cutting tools and accessories 270 - 272

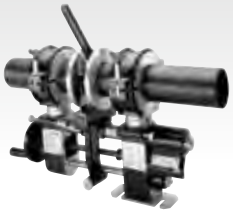
Plastic pipe welding

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[1)]	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**

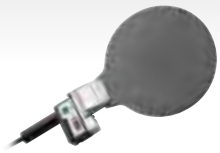
12

[1)] consider technical data of the socket

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
Page	267	269

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:	–	–	–
Page	269	269	269

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
Page	271	271	271	271

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

TECHNICAL DATA

Automatic logging:	10,000 logs
Data output:	USB interface
Languages:	DE, EN, FR, ES, NL, PT, DK, SE, NO, FI, PL, TR, HU, SL, SK, RU, BG, futher languages available upon request
Welding monitoring:	Optically with colour indication for welding pressure, welding temperature, welding times, as well as acoustical and optical for user actions
Logging:	in accordance to DVS
Welding standards:	DVS, further standards available upon request, manual entry of welding parameters is possible
With CNC function:	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)

Flexible
The 3rd basic clamping element can be moved flexibly



Set P 355 B
No. 1000000563

Robust, torsionally rigid frame
Allows reliable weldings in virtually any environment

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 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	—	●



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



Safe

Perfect parking for trimmer and heating plate



Fig. similar

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



ROWELD P 110

Plastic pipe welding machine Ø 20 - 110 mm

230 V | 115 V | 110 V

Product profile

APPLICATION AREA

For butt welding of pipes and fittings made of PE, PP, PB and PVDF. Particularly suited for installation work and for work in confined spaces - also in pipe networks

KEY FEATURES

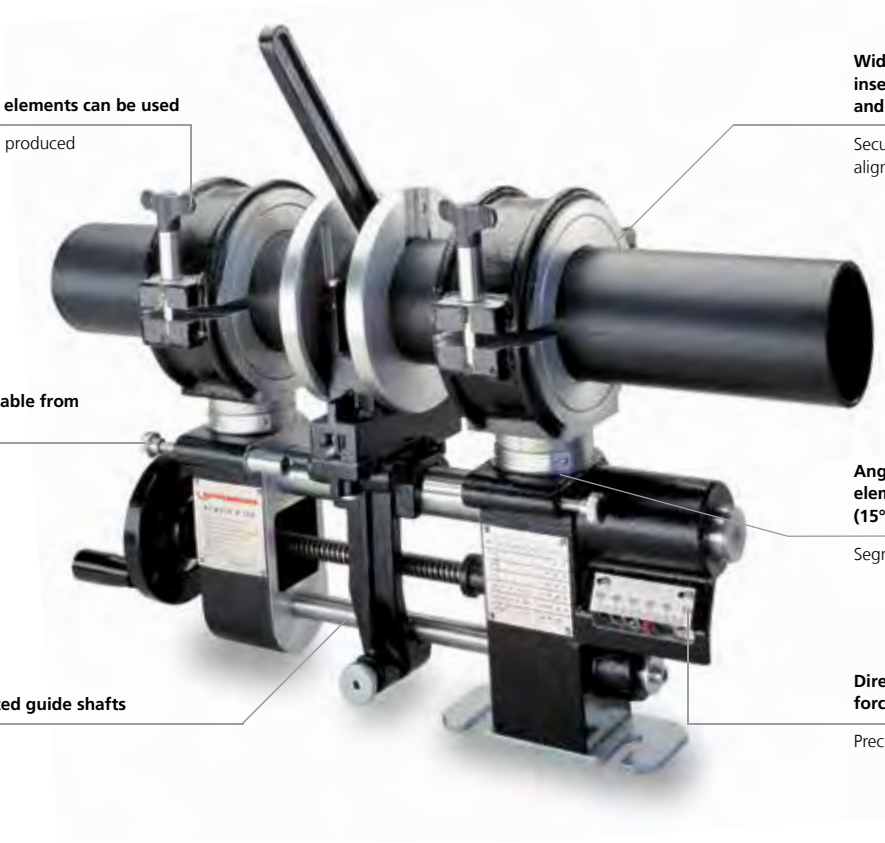
- Production of segmented bends possible
- Precise pressure adjustment
- Single and double-sided trimming possible

KEY FEATURES

- Production of pipe and fitting joints
- Secure hold and simple axial pipe alignment

TECHNICAL DATA

Pipe diameter:	Ø 20 - 90 mm (SDR 41 - SDR 7.25) Ø 20 - 110 mm (SDR 41 - SDR 11)
Weight:	8.5 kg
Size:	450 mm total length



Narrow basic clamping elements can be used

Segmented bends can be produced

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

Secure hold and simple axial pipe alignment

Mechanical stop adjustable from both sides

Single and double-sided trimming possible

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

Segmented bends can be produced

Hardened, chrome-plated guide shafts

Absolutely warp-resistant

Direct force transmission and clear force scale

Precise pressure adjustment

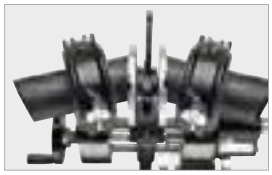
Rectangular heating element



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 Ø mm	Temperature control	kg	230 V 50/60 Hz	110/115 V 50/60 Hz
ROWELD P 110 complete	40, 50, 56, 63, 75, 90, 110	electronically	43	55844	55924

ROWELD P 110 basic machine

Model	kg	No.
ROWELD P 110 basic machine with table mounting bracket	6.8	55787



Basic clamping set 110 mm

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



No. 55807



No. 55808 / No. 55809

Reduction inserts wide P 110

Each set includes 4 aluminium half-shells

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



Reduction inserts narrow P 110

Each set includes 4 metal half-shells

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



Manual trimmer unit

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



Heating plate

With non-stick Teflon coating, 180 x 130 mm, 800 W

Model	kg	230 V 50/60 Hz	110/115 V 50/60 Hz
Electronically controlled	2.6	55324	55918
Table clamp	0.7	55524	55524



No. 5.5324

230 V

115 V

110 V

Flange adaptor clamping unit

For centred welding of flanges

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





ROWELD P 160 SANILINE

Plastic sanitary pipe welding machine from Ø 40 - 160 mm

230 V | 115 V | 110 V | RO CASE | ROTHENBERGER DURAMANT TECHNOLOGY

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

ROCASE 4414

Additional storage for accessories and tools

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



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 Ø mm	Temperature control	kg	230 V 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

ROWELD P 160 SANILINE basic machine

Basic machine includes: Trimmer unit (1050 W), heating plate (800 W), basic clamp set Ø 40 - 160 mm

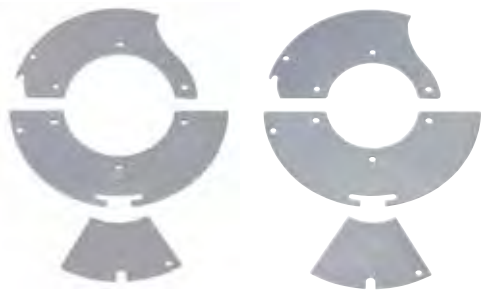


230 V | 115 V | 110 V

Model	kg	230 V 50 Hz
ROWELD P 160 SANILINE Basic machine	34.4	54005

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	54083	90	1.6	54088
50	1.6	54084	110	1.7	54089
56	1.6	54085	125	1.5	54090
63	1.6	54086	140	1.5	54091
75	1.6	54087			

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	54040

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	54082

ROWELD P 160 SANILINE Conversion Kit

Converting existing ROWELD P 160 SANILINE with universal clamp system



No. 54080



Set (No. 54080) includes: Basic clamping set Ø 160 mm left and right, (No. 54082) as well as two reducer clamping sets (left and right) for the diameters 40, 50, 63, 75, 90, 110 and 125 mm

Model	Working range Ø mm	kg	No.
Conversion Kit	40, 50, 63, 75, 90 110, 125, 160	11.20	54080
Trolley and transport sub-frame		11.30	1000002971
Folding trolley		20.00	56051
ROCASE for reducers		1.70	1000002970
Open-ended spanner SW 17 DIN 894		0.05	310411
Trimmer unit blades 75 mm (set = 2 blades)		0.10	55685
Blades 35 mm for trimmer adaptor		0.01	55686
Heating plate 230 V / 115 V / 110 V		1.92	55316 / 55851
Trimmer blade, carbide 75 mm (set = 2 blades)		0.05	55684

No. 56051



No. 1000002971



ROWELD P 250 A

Plastic pipe welding machine Ø 40 - 250 mm

230 V | 115 V | 110 V

Product profile

APPLICATION AREA

For use on building sites and in the workshop. Particularly suited for sanitary installations, drain pipe laying as well as chimney reconditioning with PVDF liners

KEY FEATURES

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

KEY FEATURES

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

TECHNICAL DATA

Pipe diameter:	Ø 40 - 110 mm	(SDR 41 - SDR 7.25)
	Ø 40 - 125 mm	(SDR 41 - SDR 11)
	Ø 40 - 200 mm	(SDR 41 - SDR 17)
	Ø 40 - 225 mm	(SDR 41 - SDR 26)
	Ø 40 - 250 mm	(SDR 41 - SDR 33)
Weight:	36.4 kg	
Trimmer unit:	450 W	
Heating plate:	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

Mechanical stop adjustable from both sides

Single and double-sided trimming possible

Removable heating plate

Versatile for difficult situations



Rugged basic clamping set Ø 250 mm with reducer inserts for Ø 180 - 225 mm plus pipe supports and Ø 160 mm set with reducer inserts for Ø 40 - 140 mm plus pipe supports

Reliable, warp-resistant transfer of the welding pressure

Mounted machine carriage is smooth running, hardened, chrome-plated ball lining driven in guide shaft

Warp-resistant, for minimum drag force and low loss of pressure transfer

Model	Working range Ø mm	Temperature control	kg	230 V 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

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



No. 55742

No. 55717

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

Heating plate

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



No. 55317 / No. 55854

230 V | 115 V | 110 V

Model	kg	230 V 50 / 60 Hz	110 V / 115 V 50 / 60 Hz
Electronically controlled	5.35	55317	55854

Spare parts

Model	kg	230 V 50 / 60 Hz	110 V / 115 V 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

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:

Mains voltage:	230 V
Frequency:	50/60 Hz
Power:	3,000 VA, 70 % ED
Output current (nominal output):	80 A
Welding voltage:	8 - 48 V
Ambient temperature:	-10 °C up to 60 °C
Working range	
ROFUSE 400 TURBO:	Fittings up to 400 mm
ROFUSE 1200 TURBO:	Fittings up to 1200 mm
Protection class:	IP 54
Transmission interface:	USB v. 2.0
Storage capacity:	2000 welding logs
Weight incl. welding cable:	approx. 21.5 kg
(Basic unit without accessories)	

Language neutral instruction manual
Easy to operate

USB
Simple data transmission

Clear display
Allows intuitive operation.
The program sequence can be adapted individually

Wireless scanner
Simple and unlimited handling



Practical pocket
for the welder's name and scan site-code

Height-adjustable cover
Can be used as a sun shield

Robust housing
The cable can be stowed away securely

Model	kg	No.
ROFUSE 400 TURBO	21.5	1000000999

Model	kg	No.
ROFUSE 1200 TURBO	21.5	1000001000

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

ROWELD ROFUSE Sani 160/315

Universal electro-fusion welding unit for drainage pipe with welding sockets up to Ø 315 mm

230 V | RO CASE | RO SERVICE+ [1]

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

- Microprocessor controlled welding unit with automatic temperature and voltage compensation
- Icon-based software for intuitve and easy operation
- Visual monitoring of the welding process via large illuminated display
- Robust and impact-resistant housing (IP 54)
- Automatic welding parameter detection

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) up to Ø 315 mm (Sani 315)
Temperature range:	-5 °C up to + 40 °C
Weight:	2.4 kg (Sani 160) 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



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

3 m welding cable

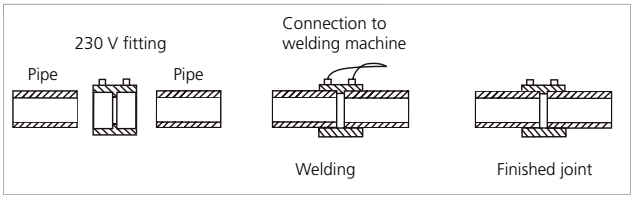
Large operating radius

90° angeled 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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

ROWELD P 63 S-6 Sword

Socket welding unit Ø 20 - 63 mm

230 V | 115 V | 110 V

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

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

Control lamps for controls and intervals

All important information at a glance

3 holes for mounting heating spigots and heating bushes

Increased flexibility and combination options for every day use

Isolator prevents heat transport to the case

Efficient heat protection

Temperature selector switch for electronic temperature control and monitoring

Process safety due to temperature control according to DVS

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

Long service life and according to DVS regulations



Automatic overheat protection

Unit safety

Heating plate with an especially narrow sword form

Simple to use even in confirmed spaces

Unit has an integrated and retracable floor stand

Floor stand is always available when needed

ROWELD 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

Electronically controlled for a constant temperature!



Fig. P 63 S-6, thermostatically controlled



Fig. P 63 S-6, electronically controlled

Model	Working range Ø mm	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



Set (No. 55546) includes: basic unit, table mounting clamp, heating spigots / heating sockets 63, 75, 90, 100 and 125 mm, steel case

Model	Power watts	mm	Control Model	kg	230 V 50/60 Hz
P 125	1,300	16 - 125	electronically	3.10	55321
P 125 set	1,300	63 - 125	electronically	17.05	55546



No. 55321

Heating spigots / Heating sockets



Adaptor plate



Heating spigots / Heating sockets (Form A)

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

ROWELD HE heating plates

Heating plates for butt welding of PE, PP, PVDF and PB pipes and fittings with Ø 20 - 250 mm

Product profile

APPLICATION AREA

Plastic pipe heating plates for free-handed working or workbench assembly using table mounting clamp

KEY FEATURES

- Long service life and manufactured according to DVS regulations
- Process reliability with the temperature control according to DVS, CEN and ISO standards
- Electronic temperature control and monitoring as well as prevention against unintentional temperature adjustment
- Save time and money with quick-exchange system for heating plates



Power watts	Heating element Ø mm	Control Model	kg	230 V 50/60 Hz	110/115 V 50/60 Hz
500	120/45°	electronically	1.80	55518	55517
800	200	electronically	3.25	55316	55851
1500	300	electronically	5.35	55317	55854
Table mounting clamp			0.45	55524	55524

ACCESSORIES

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

Peeling device

For secure, quick preparation of the pipe, in transport case.



Model	Ø Working range	No.
Size I	32 - 110 mm	53240
Size II	110 - 500 mm	53250

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	53200
Squeezing device hydraulic	75 - 180 mm	53210
Squeezing device hydraulic	160 - 225 mm	53220

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	53251
Double clamp adjustable	40 mm	53252
Double clamp adjustable	50 mm	53253
Double clamp adjustable	63 mm	53254
Double clamp short	75 mm	53255
Double clamp short	90 mm	53256
Double clamp short	125 mm	53258
Double clamp short	140 mm	53259
Double clamp short	160 mm	53260
Double clamp short	180 mm	53261
Double clamp short	200 mm	53262
Double clamp short	225 mm	53263
Quad clamp	63 mm	53271
Quad clamp	75 mm	53272
Quad clamp	90 mm	53273
Quad clamp	110 mm	53274
Quad clamp	125 mm	53275
Quad clamp	140 mm	53276
Quad clamp	160 mm	53277
Quad clamp	180 mm	53278
Quad clamp	200 mm	53279
Quad clamp	225 mm	53280
Re-Rounding clamp	25 mm	53281
Re-Rounding clamp	32 mm	53282
Re-Rounding clamp	40 mm	53283
Re-Rounding clamp	63 mm	53285

ROCUT UKS 160 / 355

High-performance orbital circular saw Ø 160 - 355 mm

230 V

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

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



No. 55505



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



Model	kg	No.
ROCUT UKS 160 / 355, complete with HM saw blade (No. 55505), without transport box	12.9	1000000532
Spare HM saw blade 180 x 30 mm	0.6	55505
Transport box 700 x 350 x 500 mm	16.8	1200000526

ROCUT XL

Pipe cutter for pipes Ø 125 - 315 mm

Product profile

APPLICATION AREA

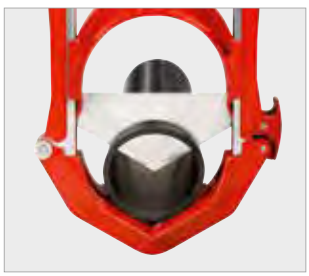
For cutting-off pipes in trenches, for making repairs or extensions

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



Model	mm	inch	Wall thickness	No.
ROCUT XL 125 up to 125 mm		4"	max. 11.4 mm	1500000789
ROCUT XL 225 up to 225 mm		8"	max. 18 mm	1500000790
ROCUT XL 315 up to 315 mm		12"	max. 18 mm	1500000792

Replacement blade

Scope of delivery: 1 replacement blade + fastening screws

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

Plastic pipe chamfering unit

With replaceable blades Ø 16 - 160 mm

For 15° outer chamfers on plastic pipe



No. 55051



KEY FEATURES

- Flexible in use
- Wall thickness is continuously adjustable

Model	mm	g	No.
Chamfering unit size 1	16 - 110	720	55050
Chamfering unit size 2	32 - 160	800	55051
Spare blade size 1 and 2		30	55058

ACCESSORIES







Model		Model	
Pastic pipe shears	22	Deburrer	34
Pastic pipe cutters	27	Mounting	311
Pastic pipe cutting and chamfering tools	26		

ROTHENBERGER
pipetool technologies at work



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.

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ROTHENBERGER



Refrigeration and air-conditioning technology

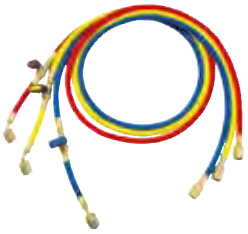
System overview	276 - 277
Complete solutions	
Comissioning and maintenance	278 - 279
Evacuation and charging	280
Refrigeration circuit control	
Digital manifold	281
Analogue manifold	282
Pressure hose	283
Leak testing and locating	
Nitrogen set	284
Leak detection devices	285
Evacuation	
Vacuum pumps	286 - 288
Recovery and filling	
Refrigerant recovery device	289 - 290
Refrigerant scale	291
Accessories	
Cleaning, tools, adaptors	292 - 293
Instructions for the use of refrigerants	294
Conversion tables pressure, temperature	295

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: (R134a, R410A etc.)	✓	✓	✓
Refrigerants class A2: (R32, R1234yf etc.)	–	✓	✓
CO_2 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: (R134a, R410A etc.)	✓	✓	✓	✓
Refrigerants class A2: (R32, R1234yf etc.)	✓	✓	–	✓
CO_2 subcritical (R744):	✓	–	–	✓
System size:	all	all	all	all
Page	281	282	282	283

Evacuation

	ROAIRVAC R32 1.5	ROAIRVAC R32 CL 2.0	ROAIRVAC R32 3.0	ROAIRVAC R32 CL 5.0	ROAIRVAC R32 6.0	ROAIRVAC R32 9.0
		 CAS [1]		 CAS [1]		
Refrigerants class A1: (R134a, R410A etc.)	✓	✓	✓	✓	✓	✓
Refrigerants class A2: (R32, R1234yf etc.)	✓	✓	✓	✓	✓	✓
CO_2 subcritical (R744):	✓	✓	✓	✓	✓	✓
Cordless:	–	✓	–	✓	–	–
System size:	< 24 kW	< 40 kW	< 74 kW	< 100 kW	< 123 kW	> 124 kW
Page	286 - 287	288	286 - 287	288	286 - 287	286 - 287

Recovery

	ROREC	ROREC PRO Digital
		
Refrigerants class A1: (R134a, R410A etc.)	✓	✓
Refrigerants class A2: (R32, R1234yf etc.)	–	✓
CO_2 subcritical (R744):	–	–
System size:	< 24 kW	all
Page	289	290

13

[1] More information at cordless-alliance-system.com

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.

10 g | max. 100 kg | class 1.6 | 80 mm | Off / On | RO SERVICE+ [1] | 2,5 m | DIN -Norm | 230 V

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 x 10^{-2} mbar
Scale range:	up to 100 kg
Resolution:	10 g
Pressure hose length:	2,500 mm
Pump rating:	42 l / min

4F
- Evacuation
- Charging
- Leakage test
- Control of the recovery process

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

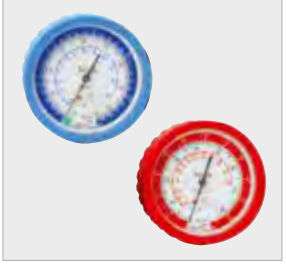
Safe and comfortable operation with refrigerants without the risk of refrigerant loss

Plastic capillary hose

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

13

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



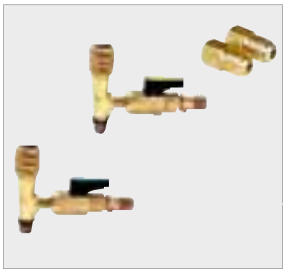
Secure storage of all accessories



Pressure hoses: 2.5 m long with shut-off valve



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



[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries

Complete solutions

Automatic evacuation and filling with the ROKLIMA MULTI 4F!



Automatic supervision and control of the recovery process in refrigeration cycles!



ROKLIMA MULTI 4F in use (evacuation and charging)



Set (No. 1000000138) includes: 2-stage vacuum pump, 2 low pressure gauges, 1 high pressure gauge R410A, 2 pressure hoses with ball valve à 2,500 mm, 2 bottle connection adaptors (1/4" SAE No. 173205, 5/16" SAE No. 173204), 2 reducing pieces 1/4" SAE F - 5/16" SAE M (No. 170016), precision digital scale up to 100 kg, automatic control, vacuum and pressure switch, mineral oil (No. 169200)

Model	kg	No.
ROKLIMA MULTI 4F	17.0	1000000138
Reducer pieces 1/4" SAE F - 5/16" SAE M	0.1	170016

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



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



Ergonomic, compact



Light



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)

(ROCADDY 120 analogue CL)

Mini tube cutter and pipe cutter

For cutting Ø 6 - 35 mm pipes to length

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

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)

Model	Performance	kg	No.
R410A / R22 / R134a / R407C / R404A / R32			
ROCADDY 120 R32			
Analog	42 l/min	20	1000002560
Digital	42 l/min	19	1000002561

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	kg	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

* CL = Cordless = battery powered vacuum pump

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

Pressure display:	bar, psi, Kpa, MPa
Temperature display:	°C, °F
Vacuum display:	Micron, mbar, mmHg, Pa, mTorr
Power source:	9 V battery, 550 mAh
Screen size:	4.1/3" / 11 cm
Pressure measurement range:	-1 up to 60 bar
Precision (at 22 °C):	± 0.5% fs
Temperature measurement range:	-50 °C to +200 °C
Working temperature:	-10 °C to +50 °C
Connections:	4x 1/4" SAE
Max. recording time:	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

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

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

Model	No.
Red box, software, connection cable, external power supply	1000000539
Temperature sensor	1000000540
Vac probe	1000000541

[1] Complete terms and conditions at rothenberger.com/roservice
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Analogue manifolds

2- and 4-way manifolds



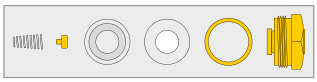
Pressure gauge Ø 80 mm, with pulse-dampening class 1.6

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.
R22 **R134a** **R407C** **R404A**				
2-way, 1/4" SAE	-1 up to 17	0 - 34	0.7	170501
4-way, 1/4" SAE	-1 up to 17	0 - 34	0.9	170502
R410A **R32**				
2-way, 5/16" SAE	-1 up to 30	0 - 60	0.7	1000001426
4-way, 5/16" SAE	-1 up to 30	0 - 60	0.9	1000001427

*LP = Low pressure manifold, *HP = High pressure manifold

Model	No.
Blue rubber protector for manifold	170545
Red rubber protector for manifold	170546
Valve sets for manifold	170547

Manifold sets

Manifold sets and pressure hoses

2-way manifold (for 170600 and 170607)
4-way manifold (for 170601, 170606, 170602 and 170608)

Durable and highly precise tool



No. 170602

Pressure hose with ball valve "Plus" (only for 170602 and 170608)

No loss of refrigerant

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	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

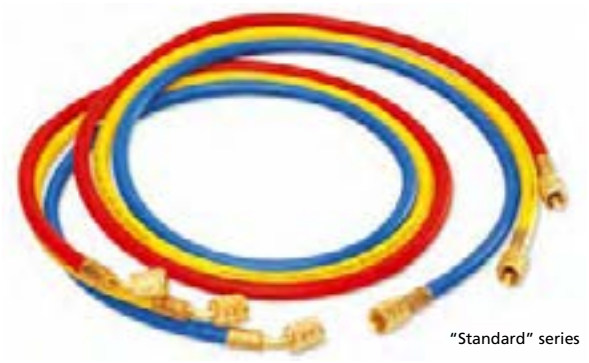
3-piece pressure hose sets

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

R32 R410A R22 R134a R407C R404A



“Plus” 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

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

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!



950 cm³ nitrogen bottle included

Complete set

Connection for large bottles

Any size of bottle can be connected without a problem

Spring loaded pressure reducing valve

Simple and safe handling



Fine scaled 1.0 pressure gauge

Precise reading of the testing pressure

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)		259060
Nitrogen bottle, each 950 cm³	6	259008
Filling hose with pressure gauge		259010
Connection 5/16" SAE internal, 1/4" SAE external		01700RD

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

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

TECHNICAL DATA

Leak status:	LED display
Sensor length:	40 cm
Leak detection rate:	3 g/a within 3 seconds
Weight:	400 g
Working temperature:	0 °C up to 40 °C
Voltage:	6 V (4 AA batteries included)





No. 1500002241

Model	No.
ROLEAK Pro in plastic case	1500002241

[1] Complete terms and conditions at rothenberger.com/roservice
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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



Ergonomic handle

Light, compact and easy to transport

Gas ballast valve

Reduction of water vapour in the oil container, guarantees higher evacuation power and service life

Removable cable

Prevents cable damage

Special filter

Reduces oil mist on exhaust vent

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

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



[1] Complete terms and conditions at rothenberger.com/roservice
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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**
Pumprating	1.5 CFM / 42 l/min / 2.5 m³/h	3.0 CFM / 85 l/min / 5.1 m³/h	6.0 CFM / 170 l/min / 10.2 m³/h	9.0 CFM / 255 l/min / 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)



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

ROAIRVAC R32 1.5 - vacuum pump in use with the digital manifold ROCOOL 600



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
Pump rating:	2,0 CFM / 57 l/min	5,0 CFM / 142 l/min
Vacuum stages:	2	2
Final vacuum:	23 micron	15 micron
Motor power:	185 W / 3,600 r/m	550 W / 1,800 r/m
Voltage:	18 V	18 V
Connection:	1/4"	1/4"
with Adapter:	5/16" SAE M / 3/8" SAE M	5/16" SAE M / 3/8" SAE M
Oil capacity:	180 ml	350 ml

Gas ballast valve

Reduction of water vapour in the oil container, guarantees higher evacuation power and service life.[2)]

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.

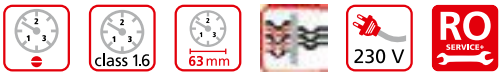
Model	kg	No.
ROAIRVAC R32 2.0 CL	3.7	1000003229
ROAIRVAC R32 2.0 CL incl. battery Li-HD, 8.0 Ah 18 V and charger in ROBUCKET	6.1	1000003230
ROAIRVAC R32 5.0 CL	7.5	1000003231
ROAIRVAC R32 5.0 CL incl. battery Li-HD, 8.0 Ah 18 V and charger in ROBUCKET	10.5	1000003233

[1)] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2)] Only applies to ROAIRVAC R32 5.0 CL

ROREC

Refrigerant recovery device

Compact, portable device for recovery and recycling refrigerants of all kinds



[1)]

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

Suitable for:	all A1 refrigerants of the type CFC, HCFH and HFC	
Capacity:	gaseous:	0.26 kg / min
	fluid:	1.85 kg / min
	push/pull:	6.22 kg / min
Electrical data:	230 V / 50 - 60Hz	
Power:	370 W	
High pressure switch:	38.5 bar	
Dimensions:	490 x 244 x 353 mm	
Weight:	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

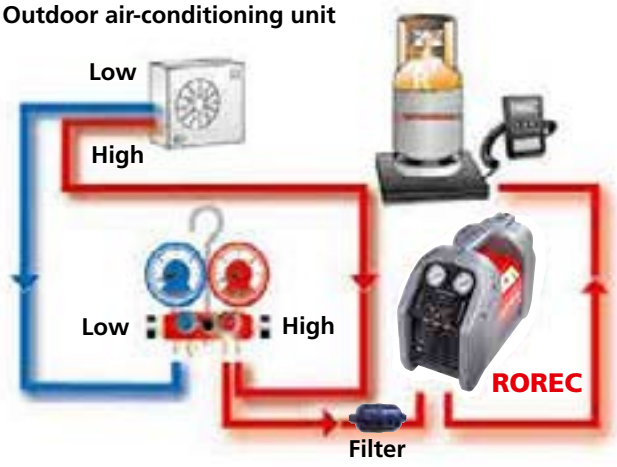
Thermal switch
Protects the unit from overheating

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

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

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

Recovery rate:	gaseous:	0.5 kg / min; 30 kg / h
	fluid:	3.5 kg / min; 210 kg / h
	push/pull:	9.5 kg / min; 570 kg / h
Power supply:	230 V / 50 - 60 Hz	
Power:	730 W	
High pressure switch:	38.5 bar	
Product dimensions:	380 x 250 x 350 mm	
Weight:	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



Model	kg	No.
ROREC PRO Digital	12.0	1500002637
Filter	0.12	168713

[1] Complete terms and conditions at rothenberger.com/roservice
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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

Weight capacity:	120 kg or 264 lbs
Accuracy:	+/- 0.5%
Resolution:	5 g / 0.2 oz.
Working temperature:	-10° C up to +49° C / 14 up to +120° F
Connection:	1/4" SAE for 1 - 2 lit. bottles
Battery:	9 V
Platform size:	230 x 230 x 53 mm
Weight:	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	R17300416

Refrigerant for air-conditioning units

Non-chlorinated refrigerant of the HFC group in practical 40 bar steel bottles (bursting pressure: 165 bar) TÜV seal No. 0036-043/03D and TPED accepted as per 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

Model		No.
R410A	Refrigerant R410A in cardboard packaging	
1 l steel bottle 5/16" SAE, 800 g	6	170912
2 l steel bottle 5/16" SAE, 1,600 g	4	170932
R32	Refrigerant R32 in cardboard packaging	
1 l steel bottle 1/2" SAE, 780 g	6	170960
2 l steel bottle 1/2" SAE, 1,800 g	4	170961



[1] Complete terms and conditions at rothenberger.com/roservice
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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	85800

Bottle connection and adaptors

For refrigerant bottles

For use with new refrigerant bottles on existing equipment



No. 170950, No. 1500003381



No. 01700RD



No. 173204, No. 173205

Model	No.
Adaptor, 1/4" connection	173205
Adaptor, 5/16" connection	173204
Adaptor, W21.8 x 1/4" SAE M connection with seal for 2 l sized bottles	170950
Adaptor W21,8 LEFT x 1/4" SAE M connection for combustible refrigerants like R32	1500003381
Adaptor 1/2" LEFT - 5/16" SAE M connection	173206
Adaptor, 1/4" SAE M - 3/8" SAE F connection	89501
Adaptor, 3/8" SAE M - 1/4" SAE F connection	89503
Adaptor, 1/4" SAE F - 5/16" SAE M connection	170016
Adaptor, 1/4" SAE M - 5/16" SAE F connection with valve trigger	01700RD

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!



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	kg	No.
Torque wrench set, 7 pcs.	1.7	175001



Schrader valve tool

Product profile

KEY FEATURES

- For exchanging the Schrader valve on air-conditioners under pressure, without having to recover the unit
- For safe and easy change of spring insert of the Schrader valve tool
- With safety thread for risk-free use with R410A

Model	No.
Schrader valve tool in plastic carrying case	**87800**



Plate fin comb

Product profile

KEY FEATURES

- For straightening the plate fins of heat-exchangers
- 6 different sizes in one tool



Model	Product dimensions	No.
Plate fin comb	8 - 9 - 10 - 12 - 14 - 15 fins per inch	**224500**

General instructions for the use of refrigerants

Refrigerant data from CFC-alternative refrigerants

Refrigerant	Composition	ODP	GWP	Temperature glide
R22 (HFCKW refrigerant)	CHCLF2	0.05	1,810	–
R134a (HFKW-chlorine-free refrigerant)	CF3CH2F	0	1,430	–
R32 (HFKW-chlorine-free refrigerant)	CH2F2	0	675	–
R404A (HFKW-chlorine-free blends)	52% R143a, 44% R125, 4% R134a	0	3,922	–
R507 (HFKW-chlorine-free blends)	50% R143a, 50% R125	0	3,985	–
R407C (HFKW-chlorine-free blends)	23% R32, 25% R125, 52% R134a	0	1,774	7.5K
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 mm / inch	Metric	Wall thickness mm / inch	Flare outer diameter with R22-, R134a-, R404-, R407C air-conditioners	Flare outer diameter with R410A air-conditioners
6 mm	–	1 mm	8.5 mm	9.1 mm
8 mm	–	1 mm	11.1 mm	11.1 mm
10 mm	–	1 mm	13.6 mm	13.2 mm
12 mm	–	1 mm	15.3 mm	16.5 mm
16 mm	–	1 mm	19.5 mm	19.2 mm
18 mm	–	1 mm	22.0 mm	22.7 mm
1/4"	6.35 mm	0.35"	9.0 mm	9.1 mm
5/16"	7.94 mm	0.35"	11.0 mm	11.1 mm
3/8"	9.52 mm	0.35"	13.0 mm	13.2 mm
1/2"	12.70 mm	0.35"	16.2 mm	16.6 mm
5/8"	15.88 mm	0.35"	19.4 mm	19.7 mm
3/4"	19.05 mm	0.35"	23.3 mm	24.0 mm

Conversion table pressure

mbar	Micron	TORR	mm HG Vakuum
10	7,516	7.5	752
5	3,759	3.6	756
2	1,503	1.5	758
1	752	0.75	759
0.5	376	0.36	
0.4	300	0.30	
0.3	225	0.23	
0.2	150	0.15	
0.1	75	0.08	
0.09	68		
0.07	53		
0.06	45		
0.05	38		
0.04	30		
0.03	22		
0.02	15		
0.01	8		

Conversion table temperature

Conversion from °C in °F: °C x 1,8 + 32 = °F
Conversion from °F in °C: (°F-32) : 1,8 = °C

°C	°F	°C	°F	°F	°C	°F	°C
100	212	30	86	212	100	70	21
95	203	25	77	200	93	60	16
90	194	20	68	190	88	50	10
85	185	15	59	180	82	40	4
80	176	10	50	170	77	30	-1
75	167	4	39	160	71	20	-7
70	158	0	32	150	66	10	-12
65	149	-10	14	140	60	0	-18
60	140	-20	-4	130	54	-10	-23
55	131	-30	-22	120	49	-20	-29
50	122	-40	-40	110	43	-30	-34
45	113	-50	-58	100	38	-40	-40
40	104	-60	-76	90	32	-50	-46
35	95	-273	-460	80	27	-60	-51
						-112	-80
						-460	-273

Common threads

UNF-Thread	SAE-Thread	Outer diameter (max. mm)	Internal diameter (min mm)	Lodes per inch	Increment (mm)
7/16" - 20	1/4"	11.079	9.738	20	1.270
1/2" - 20	5/16"	12.667	11.328	20	1.270
5/8" - 18	3/8"	15.839	14.348	18	1.411
3/4" - 16	1/2"	19.012	17.330	16	1.588
7/8" - 14	–	22.184	20.262	14	1.814
7/8" - 14	5/8"	22.184	20.262	14	1.814
1" - 14	3/4"	25.357	23.437	14	1.814
11/16" - 14	–	26.947	25.024	14	1.814
11/8" - 12	–	28.529	26.284	12	2.117
11/4" - 12	7/8"	31.704	29.459	12	2.117
13/8" - 12	–	34.877	32.634	12	2.117
11/2" - 12	1"	38.052	35.809	12	2.117



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



General purpose tools

System overview	298 - 299
Pliers	
Water pump pliers	302 - 305
Pliers sets	306
Corner pipe wrenches	307
One-handed pipe wrenches, chain pipe wrenches	308 - 309
Grip pliers, strap and fittings wrenches	310 - 311
Installation wrenches	
UNI stepped key set	312
Sanitary four way	312
Valve key	313
Open-ended, hinged ratchet wrenches	314 - 315
Screwdrivers	316 - 317
Installation aids	
Spirit levels, cartridge extractor sets	318
Tap reseating tool	319
Metal crimping, combination and electrical pliers	319 - 320
Cordless drill driver	321
Drill bits	322 - 323, 328
Cordless impact wrench	324
Cordless angle grinder	325
Cutting and grinding discs, chisels	326
Cordless rotary hammer	327
Cordless LED lamp	328
CAS battery packs and charger	329
Hammers, chisels, punchs	330
Vices	331
Workbenches	332
General aids and tool bags	333 - 334
Case system	335 - 337

General purpose tools

System overview

ROGRIP pliers

	ROGRIP M 7" 1K	ROGRIP M 7" 2K	ROGRIP M 10" 1K	ROGRIP M 10" 2K	ROGRIP F 7" 1K	ROGRIP F 7" 2K
						
Working range:	Ø 43 mm (1.1/4")	Ø 43 mm (1.1/4")	Ø 60 mm (2")	Ø 60 mm (2")	Ø 43 mm (1.1/4")	Ø 43 mm (1.1/4")
Length:	185 mm (7")	185 mm (7")	254 mm (10")	254 mm (10")	185 mm (7")	185 mm (7")
Weight:	245 g	255 g	490 g	490 g	215 g	227 g
Material:	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	302	302	302	302	302	302

ROGRIP pliers

	ROGRIP F 10" 1K	ROGRIP F 10" 2K	ROGRIP XL
			
Working range:	Ø 60 mm (2")	Ø 60 mm (2")	Ø 102 mm (3.1/2")
Length:	254 mm (10")	254 mm (10")	440 mm (16")
Weight:	470 g	480 g	1.4 kg
Material:	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	302	302	303

Water pump pliers

	Wapu type SP 7"	Wapu type SP 10"	Wapu type SP 12"
			
Working range:	Ø 34 mm (1")	Ø 43 mm (1.1/4")	Ø 48 mm (1.1/2")
Length:	175 mm (7")	250 mm (10")	300 mm (12")
Weight:	150 g	290 g	460 g
Material:	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	304	304	304

Water pump pliers

	Wapu type SPK 7"	Wapu type SPK 10"	Wapu type SPK 12"
			
Working range:	Ø 34 mm (1")	Ø 43 mm (1.1/4")	Ø 48 mm (1.1/2")
Length:	175 mm (7")	250 mm (10")	300 mm (12")
Weight:	165 g	315 g	475 g
Material:	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	305	305	305

Corner pipe wrenches 45°

	Corner pipe wrench 45 ° Super S, 10"	Corner pipe wrench 45 ° Super S, 12"
		
Working range:	Ø 22 mm (1/2")	Ø 34 mm (1")
Length:	250 mm (10")	300 mm (12")
Weight:	400 g	810 g
Material:	Chrome vanadium steel	Chrome vanadium steel
Page	307	307

Corner pipe wrenches 45°

	Corner pipe wrench 45° Super S, 16”	Corner pipe wrench 45° Super S, 20”	Corner pipe wrench 45° Super S, 24”	Corner pipe wrench 45°, 10”	Corner pipe wrench 45°, 12”
					
Working range:	Ø 48 mm (1.1/2”)	Ø 60 mm (2”)	Ø 89 mm (3”)	Ø 22 mm (1/2”)	Ø 34 mm (1”)
Length:	420 mm (16”)	540 mm (20”)	640 mm (24”)	250 mm (10”)	300 mm (12”)
Weight:	1.44 kg	2.44 kg	3.4 kg	370 g	740 g
Material:	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	307	307	307	307	307

Corner pipe wrenches 45°

	Corner pipe wrench 45 °, 16”	Corner pipe wrench 45 °, 20”
		
Working range:	Ø 48 mm (1.1/2”)	Ø 60 mm (2”)
Length:	420 mm (16”)	540 mm (20”)
Weight:	1.34 kg	2.4 kg
Material:	Chrome vanadium steel	Chrome vanadium steel
Page	307	307

Pipe wrenches 90°

	Pipe wrench 90° 12”	Pipe wrench 90° 16”	Pipe wrench 90° 20”
			
Working range:	Ø 34 mm (1”)	Ø 48 mm (1.1/2”)	Ø 60 mm (2”)
Length:	300 mm (12”)	420 mm (16”)	540 mm (20”)
Weight:	740 g	1.34 kg	2.4 kg
Material:	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	307	307	307

Pipe wrenches 90°

	Pipe wrench 90° 24”	Pipe wrench 90° 36”
		
Working range:	Ø 89 mm (3”)	Ø 114 mm (4”)
Length:	640 mm (24”)	750 mm (36”)
Weight:	3.4 kg	5.6 kg
Material:	Chrome vanadium steel	Chrome vanadium steel
Page	307	307

One-handed pipe wrenches HEAVY DUTY

	HEAVY DUTY 6”	HEAVY DUTY 8”	HEAVY DUTY 10”
			
Working range:	Ø 22 mm (1/2”)	Ø 32 mm (1”)	Ø 48 mm (1.1/2”)
Length:	152 mm (6”)	200 mm (8”)	250 mm (10”)
Weight:	250 g	400 g	780 g
Material:	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	308	308	308

One-handed pipe wrench HEAVY DUTY

	HEAVY DUTY 12”	HEAVY DUTY 14”	HEAVY DUTY 18”	HEAVY DUTY 24”	HEAVY DUTY 36”
					
Working range:	Ø 60 mm (2”)	Ø 60 mm (2”)	Ø 73 mm (2.1/2”)	Ø 89 mm (3”)	Ø 141 mm (5”)
Length:	300 mm (12”)	350 mm (14”)	450 mm (18”)	600 mm (24”)	900 mm (36”)
Weight:	1.25 kg	1.68 kg	2.67 kg	4.32 kg	7.5 kg
Material:	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel	Chrome vanadium steel
Page	308	308	308	308	308

One-handed pipe wrench HEAVY DUTY

One-handed pipe wrench ALUDUR

	HEAVY DUTY 48”	HEAVY DUTY 60”	ALUDUR 10”	ALUDUR 14”	ALUDUR 18”
					
Working range:	Ø 168 mm (6”)	Ø 203 mm (8”)	Ø 48 mm (1.1/2”)	Ø 60 mm (2”)	Ø 73 mm (2.1/2”)
Length:	1,200 mm (48”)	1,300 mm (60”)	250 mm (10”)	350 mm (14”)	450 mm (18”)
Weight:	15.8 kg	24 kg	480 g	990 g	1.63 kg
Material:	Chrome vanadium steel	Chrome vanadium steel	Aluminium	Aluminium	Aluminium
Page	308	308	308	308	308

One-handed pipe wrench ALUDUR

Pliers wrench

	ALUDUR 24”	ALUDUR 36”	ALUDUR 48”	ALUDUR 60”	ROFAST
					
Working range:	Ø 89 mm (3”)	Ø 141 mm (5”)	Ø 168 mm (6”)	Ø 200 mm (8”)	Ø 50 mm (1.7/8”)
Length:	600 mm (24”)	900 mm (36”)	1,200 mm (48”)	1,300 mm (60”)	254 mm (10”)
Weight:	2.51 kg	5 kg	8.42 kg	14.6 kg	580 g
Material:	Aluminium	Aluminium	Aluminium	Aluminium	Chrome vanadium steel
Page	308	308	308	308	310

One-handed pipe wrench STILLSON

	STILLSON 8”	STILLSON 10”	STILLSON 12”	STILLSON 14”	STILLSON 18”
					
Working range:	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”)
Length:	200 mm (8”)	250 mm (10”)	300 mm (12”)	350 mm (14”)	450 mm (18”)
Weight:	280 g	590 g	715 g	1.04 kg	1.74 kg
Material:	Steel, drop forged	Steel, drop forged	Steel, drop forged	Steel, drop forged	Steel, drop forged
Page	**308**	**308**	**308**	**308**	**308**

One-handed pipe wrench STILLSON

	STILLSON 24”	STILLSON 36”
		
Working range:	Ø 73 mm (2.1/2”)	Ø 102 mm (3.1/2”)
Length:	600 mm (24”)	900 mm (36”)
Weight:	3.08 kg	5.69 kg
Material:	Steel, drop forged	Steel, drop forged
Page	**308**	**308**

ROCASE case system

	ROCASE	ROBOX
		
Sizes:	5	2
Volume:	5.7 until 48.2 l	0.65 until 1.37 l
Weight:	0.63 until 2.64 kg	0.09 until 0.17 kg
Material:	ABS plastic	ABS plastic
Page	**335**	**336**

Power tools

RO DD60	RO ID400	RO AG8000	RO RH4000	RO FL180
				
Voltage: 18 V	**Voltage:** 18 V	**Voltage:** 18 V	**Voltage:** 18 V	**Max. lumin. flux:** 410 lm
Max. torque soft: 34 Nm	**Max. torque:** 400 Nm	**Grinding wheel Ø:** 125 mm	**Max. single blow energy (EPTA):** 2.2 J	**Max. operation time per battery load:** 18 V/2.0 Ah: 4.5 Std. 18 V/4.0 Ah: 9.1 Std.
Max. torque hard: 60 Nm	**Max. impact rate:** 4,250 /min.	**Idle frequency:** 8,000 /min.	**Max. impact rate:** 4,000 /min.	**Weight:** 0.46 kg
Drill-Ø steel: 13 mm	**Bit retainer:** Male square1/2” (12.7 mm)		**Drill-Ø concret:** 24 mm	
Drill-Ø soft wood: 38 mm	**Speed/torque levels:** 12		**Bit retainer:** SDS-plus	
No-load speed: 0 - 450 / 0 - 1,600 /min				
321	**324**	**325**	**327**	**328**

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



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"



Model	Working range		No.
ROGRIP F 7" 1K	1.1/4"	6	1000002701
ROGRIP F 7" 2K	1.1/4"	6	1000002702
ROGRIP F 10" 1K	2"	6	1000002704
ROGRIP F 10" 2K	2"	6	1000002705



* than previous model

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



Curve-Shape-Design: especially ergonomic



3-point grip over the middle for reliable clamping. Perfect grip on pipes up to Ø 3.1/2"



ROTHENBERGER Curve-Shape-Design – especially ergonomic!

inch	mm	max. inch	max. mm	g	No.
16"	440	3.1/2"	102	1,400	1000000328

Water pump pliers SP

Complies with DIN 5231 D, with heavy-duty box joint, chrome vanadium steel, drop forged, tempered, polished head and joint

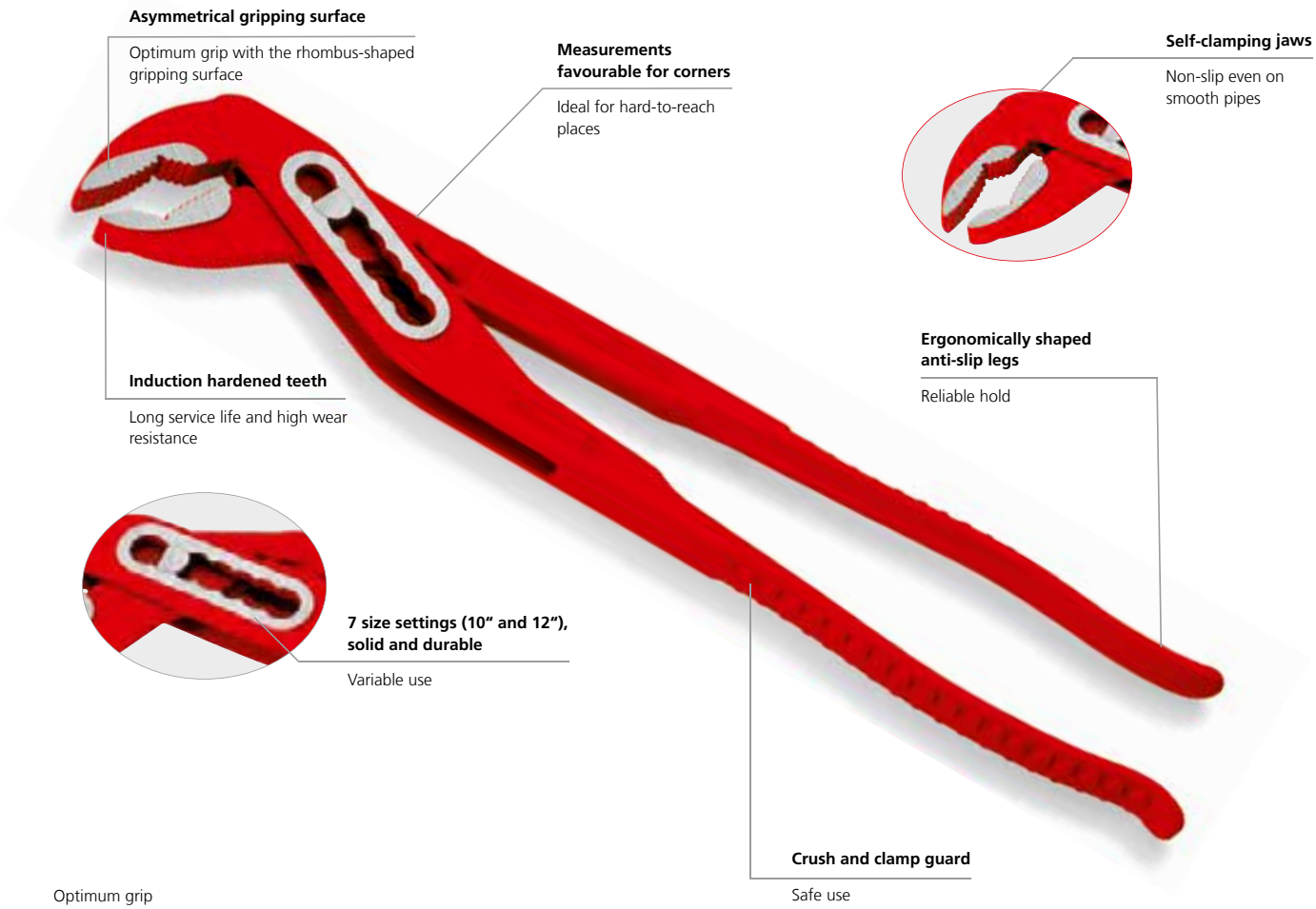
Product profile

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



Optimum grip



inch	mm	max. inch	max. mm	g		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



No. 70527



No. 70528



No. 70529

Water pump pliers type SPK

KEY FEATURES

- Features similar to type SP, additionally with plastic covered handles

Increased safety: Plastic covered handles!





inch	mm	max. inch	max. mm	g		No.
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

DIN -Norm

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





inch	mm	max. inch	max. mm	g		No.
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

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





Inch	mm	Inch	mm	g		No.
1/2″	22	10″	250	400	6	070121X
1″	34	12″	300	810		070122X
1.1/2″	48	16″	420	1,440		070123X

Inch	mm	Inch	mm	g		No.
2″	60	20″	540	2,440		070124X
3″	89	24″	640	3,400	1	70125

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





Inch	mm	Inch	mm	g	No.
1/2″	22	10″	250	370	070131X
1″	34	12″	300	740	070132X

Inch	mm	Inch	mm	g	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





Inch	mm	Inch	mm	g	No.
1″	34	12″	300	740	070110X
1.1/2″	48	16″	420	1,340	070111X
2″	60	20″	540	2,400	070112X

Inch	mm	Inch	mm	g	No.
3″	89	24″	640	3,400	70113
4″	114	36″	750	5,600	70114

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 5	0.33	1000002194*

* ROBOX system p. 336



US-norm GGG-W-651 type II class A

Inch	mm	Inch	mm	kg		No. pliers	No. hook	No. 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

Inch	mm	Inch	mm	kg		No. pliers	No. hook	No. 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

Inch	mm	Inch	mm	kg		No. pliers	No. 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

L Inch	L mm	Inch	mm	kg		No. pliers	No. hook	No. jaws
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

L Inch	L mm	Inch	mm	kg	No. pliers	No. hook	No. jaws
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

max. Inch	max. mm	L Inch	L mm	g		No.
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

max. Inch	max. mm	jaws width mm	L mm	kg	No. pliers	No. jaws
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	kg	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

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	Inch	mm	g		No.
1"	35	14"	356	740	1	70545
Plastic jaws				10		70548

Fitting key

Steel forged, burnished, smooth jaws for protection of fittings and delicate or polished surfaces



No. 350850



No. 350900

Model	L mm	Clamping width and depth mm	mm	g	No.
Grid adjustment	260	75	45	690	350850
Roll adjustment	275	65	45	780	350900

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	Inch	mm	g	No.
1.7/8"	50	10"	254	580	1500003170

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	Inch	L mm	max. mm	min. mm	g	No.
SANIGRIP	10"	250	80	14	270	70415
SANIGRIP PL	10"	250	62	14	280	70416



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	L Inch	L 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

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	73297
UNI stepped key	120		73298
Gas stepped key	80		73280
1/2" ratchet	440		27180





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 mm	g	No.
Sanitary four way key multifunctional	220 x 220	610	351043

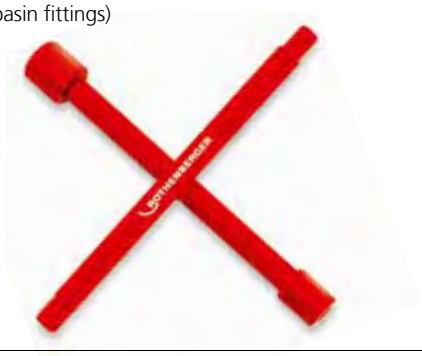
Sanitary four way key

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 mm	g	No.
Sanitary four way key multifunctional	220 x 220	590	351044

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	mm	g	No.
RO-QUICK set			70439
RO-QUICK valve key	120	300	70414
Adaptor	75	70	70413

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°!



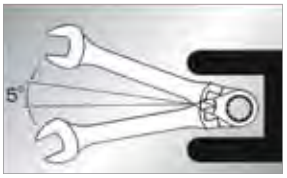
Fig. ROCLICK wrench set



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	70490

Small 5° operating radius



Adjustable inclination angle



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	175001

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 mm	L mm	g	No.
Ratchet spanner ROCLICK	10	134	80	70420
Ratchet spanner ROCLICK	11	137	80	70419
Ratchet spanner ROCLICK	12	137	80	70421
Ratchet spanner ROCLICK	13	137	90	70422
Ratchet spanner ROCLICK	14	140	90	70423

Model	Key width mm	L mm	g	No.
Ratchet spanner ROCLICK	16	184	130	70424
Ratchet spanner ROCLICK	17	184	140	70425
Ratchet spanner ROCLICK	19	188	188	70426
Ratchet spanner ROCLICK	21	230	230	70427
Ratchet spanner ROCLICK	24	240	240	70418

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 up to	Clamping width up to mm (Inch)	g	No.
6"	176 mm	34 (1.3/8")	205	1500001509
8"	216 mm	39 (1.1/2")	345	1500001510

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 mm	Clamping range Inch	L mm	g		No.
19 - 32	3/4" - 1.1/4"	235	475	1	70228

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 mm	Clamping range Inch	L mm	g	No.
10 - 32	3/8 - 1.1/4"	275 - 455	710	70225
20 - 48	3/4 - 1.7/8"	290 - 470	740	70226
32 - 63	1.1/4 - 2.1/2"	290 - 470	780	70227

Basin nut pliers

Special chrome vanadium steel, drop forged, coated with adjustment screw



Model	L mm	g	No.
Basin nut pliers	270	580	351050

Basin nut wrench set 3/8"

The basin nut wrench set is used for loosening or tightening nuts at hard to access spots. The movable T-Grip enables a optimal use of force.





Model	g	No.
Set: Extension 200 mm, T-Grip, Key-width 36-47 and bag	1000	100108
Set: Extension 200mm, T-Grip, Key-width 27-32-36 and bag	1050	100109
Set: Extension 200mm, T-Grip, Key-width 32-36-47 and bag	1200	100110

EUROLINE

Screwdrivers

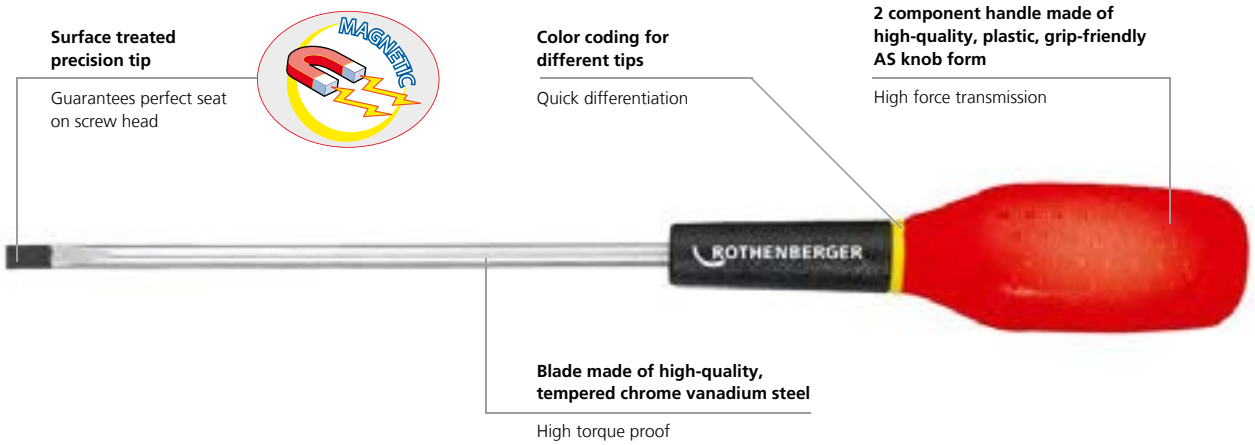
Product profile

KEY FEATURES

- High force transmission with 2 component handle
- High torque
- Guarantees perfect seat on screw head
- Color coding for different tips enables quick differentiation
- Oil, fat and hydrocarbon resistant

CHARACTERISTICS

- Blade made of chrome vanadium steel with high torque and hardness, matt chrome-plated
- Hardened, burnished tip with high durability for reliable force transmission even for tightly secured screws
- Guaranteed perfect seat on screw head, long service life even with long term use
- Handle made of high-quality plastic, grip-friendly AS knob form





Screwdrivers sets

Model	kg	No.
Screwdriver set Pozidriv	0.70	73571
Screwdriver set Phillips	0.70	73570

Sets include:	Pozidriv No. 73571	Phillips 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

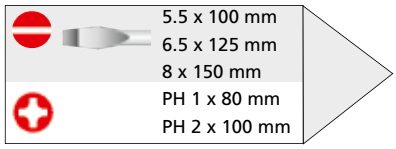
Screwdriver with continuous, strengthened blade

Product profile

KEY FEATURES

- One-piece, strengthened blade with metal cap allows directed hammer blows, for example loosening stuck screws

Set (No. 73575) includes:





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 strenghtened 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





1000 V

Model	g	No.
VDE screwdriver set, includes:	680	323126
Slot 2,5 x 75; 4,0 x 100; 5,5 x 125; 6,5 x 150		
Phillips PH 1 x 80; PH 2 x 100 and live-wire-tester		

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° = 0.5 mm / m

Model	L mm	g	No.
Standard spirit level	430	260	**1500001583**
Standard spirit level	600	340	**1500001547**
Standard spirit level	1,000	640	**1500001548**

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	**77397**
Folding ruler, wooden	2		100	**252100**

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	**71095**

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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2] More information at cordless-alliance-system.com

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 Pozi: 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.
16	5/8"	100	21316
29		140	21329
34		180	21334
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

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

Battery voltage:	18 V
Weight with Batterypack:	1.9 kg
Max. torque:	400 Nm
Max. no-load speed:	0 - 2,150 rpm
Maximum impact rate:	4,250 rpm



Unique brushless motor
For quick work progress and highest efficiency for any application

High torque
Accompanied by an exceptionally compact design

Belt hook
Can be fixed either on the right or left side

Twelve speed / torque levels
For a wide range of applications

Maximum power
Intelligent battery management with charge indicator to control the status of charge

Bit holder
Can be fixed either on the right or left side



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

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2] More information at 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

Battery voltage:	18 V
Weight without Batterypack:	1.7 kg
Idle frequency:	8,000 / min^{-1}
Grinding wheel Ø:	125 mm
Spindle thread:	M14





No. 1300003338

Set (No.1000001649) includes: RO AG8000 angle grinder, RO BP18/4 4.0 Ah battery (No. 1000001653), RO BC14/36 charger EU (No. 1000001654), guard, quick-locking nut, side handle, dust filter, ROCASE 4414 anthracite (No. 1000001947)

Model	No.
RO AG8000 angle grinder w/o battery + charger	1000002037
RO AG8000 angle grinder set EU	1000001649

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2] More information at cordless-alliance-system.com

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	Alumniumalloying	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 manufacturers 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

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

TECHNICAL DATA

Battery voltage:	18 V
Weight with batterypack:	2.9 kg
Max. single blow energy (EPTA):	2.2 J
Maximum impact rate:	4,000 /min.
Drill-Ø concrete with hammer drills:	24 mm
Drill-Ø masonry with core bits:	68 mm
Drill-Ø steel:	13 mm
Drill-Ø soft wood:	25 mm
No-load speed:	0 - 1,100 /min.
Bit retainer:	SDS-plus





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	1000002038
RO RH4000 rotary hammer set EU	1000001650

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	1500002824
Flat chisel SDS-plus 250 mm	250 mm	1500002825
Sharp chisel SDS-plus 250 mm	250 mm	1500002826
Hollow chisel 22 mm SDS-plus 250 mm	250 mm	1500002827
Tile chisel 40 mm SDS-plus 250 mm	250 mm	1500002828
Chisel set, 3 pcs. SDS-plus w/ ROBOX*		1500002829

[1] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2] More information at cordless-alliance-system.com

SDS-plus hammer drill



Model	Ø	No.
Hammer drill SDS-plus	6 x 110 mm	111405
Hammer drill SDS-plus	8 x 110 mm	111411
Hammer drill SDS-plus	10 x 160 mm	111419
Hammer drill SDS-plus	12 x 160 mm	111424



Model	Ø	No.
Hammer drill SDS-plus	18 x 450/410 mm	111447
Hammer drill SDS-plus	22 x 450 mm	111452
Hammer drill SDS-plus	25 x 450 mm	111455

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

Max. lumin. flux:	440 lm
Max. operation time per battery charge:	18 V / 2.0 Ah: 4.5h / 18 V / 4.0 Ah: 9.1h
Weight without Batterypack:	0.46 kg





Set (No.1000001651) includes: RO FL180 LED lamp, RO BP18/2 2.0 Ah battery (No. 1000001652), RO BC14/36 charger EU (No. 1000001654), ROCASE 4212 anthracite

Model	No.
RO FL180 LED lamp w/o battery and charger	1000001734
RO FL180 LED lamp set EU	1000001651

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".

CAS CORDLESS ALLIANCE SYSTEM [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

[1)] Complete terms and conditions at rothenberger.com/roservice
RO SERVICE+ only valid in participating countries
[2)] More information at cordless-alliance-system.com

Fitter's hammer

DIN -Norm

Complies with **DIN 1041**, hickory wooden handle, head secured by sealed shaft



Head weight g	Total weight g	No.
300	470	**322823**

Lump hammer

DIN -Norm

Complies with **DIN 6475**, hickory wooden handle, head secured by sealed shaft



Head weight g	Total weight g	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 mm	Shaft mm	Cutting width mm	without hand protection g	with hand protection g	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 mm	Clamping width mm	Clamping depth mm	for pipes Inch	for pipes mm	kg	No.
120	125	65	3/8 - 1.1/2″	16 - 55	8.7	070705X
140	150	80	3/4 - 2″	27 - 70	15.6	070735X

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	70710
Spare jaws (contains: 3 pcs.)		0.2	70670
1/8 - 3″	10 - 89	7.9	70712
Spare jaws (contains: 3 pcs.)		0.2	70672
1/8 - 4″	10 - 114	11.7	70711
Spare jaws (contains: 3 pcs.)		0.2	70671

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	70713
Spare jaw		0.7	70734
Spare chain		0.5	70731
1/8 - 4″	10 - 114	6.2	70714
Spare jaw		0.8	70721
Spare chain		0.6	70732
1/8 - 6″	10 - 165	9.3	70715
Spare jaw		0.9	70722
Spare chain		1.3	70733

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	70700

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



Working unit

With pipe vice 1/8 - 2"

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


No. 70740


No. 70751

Model	kg	No.
Tripod universal workbench w/ chain vice	16.0	70752
Tripod universal workbench w/o chain vice	15.3	70751
Tool 1/8" - 2"	21.0	70740

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	070699X

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	070690X
Pipe-fitter	1,000 x 700 x 835	32	70696
Pipe-fitter	1,200 x 750 x 835	38	70698

Hemp dispenser with roll



Model	No.
Roll 40 g / 40 m	70623

All-purpose marker

Writes on tile and glass



Carpenter pencil



Model	No.
All-purpose marker	856911
Carpenter pencil	856907

Cutter knife



Model	No.
Cutter knife w/ 4 blades, 18 mm	1500000087
Blades for cutter knife (10 pcs.)	1500001299

Trendy tool bag

- Lots of storage room for all your tools



Model	No.
Trendy tool bag (380 x 300 x 370 mm)	402311
Tool bag (450 x 285 x 335 mm)	1500001320

Tool bag

- Offers a lot of pockets and tool holders with a waterproof plastic bottom



Tool bag, small

- Offers a lot of pockets and tool holders with a waterproof plastic bottom



Model	No.
Tool bag, small (280 x 360 x 230 mm)	1500002182

Toolbox apprentice

- Lots of storage room for all your tools



Model	No.
Toolbox apprentice	402312

Trendy shoulder toolbox

- Very light, handy bag for the most important tools



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)	402308
Tool bag universal (220 x 440 x 230 mm)	1500002230

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 Sclot), spirit level, carpenters pencil, flexible ruler, MINICUT I Pro (3-16 mm), profi universal knife, hammer with hickory wooden handle, electrician chisel, flat, sanitary four way key, ROGRIP M XL (3.1/2"), ROGRIP M 10" 1K, ROGRIP M 7" 1K, ROCUT TC 42 (0-42mm), SWO 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
Outer dimension:	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
Inner dimension:	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
Volume in l:	5.7 l	6.3 l	14.9 l	23.5 l	48.2 l
Weight:	0.63 kg	1.2 kg	1.30 kg	1.89 kg	2.64 kg
Color:	red, anthracite	red	red, anthracite	red	red
Quantity of inlays (currently changed):	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

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

Index

Alphabetical

Item	Page
3-piece pressure hose sets	283
A	
ACCESSORIES HD 13/100 – 17/190 – 19/180	251
Adaptor magazines	238
AIRPROP	160
ALLGAS 2000 PS 0.5 / 2 Basic	169
ALLGAS 2000 PS 0.5 / 2 Compact	167
ALLGAS 2000 set	166
ALLGAS 2000 welding tips	167
ALLGAS Mobile Pro	168
All-purpose marker	333
Analogue manifolds	282
Apprentice set, 50 pcs.	334
Automatic ratchet telescopic pipe cutter	17
B	
Ball head cutter	246
Basic clamping set 110 mm	260
Basic clamping set P 160 SANILINE	262
Basic clamping set P 250 A	264
Basin nut pliers	315
Basin nut wrench	315
Basin nut wrench set 3/8"	315
Battery pack system CAS, mains adaptor & charger	215
Bending formers	73
Bending spray	63
Blowback prevention	173
Bottle connection and adaptors	292
Brush attachments	215
Bulb auger	242
Bulb auger, long	243
Bulb Auger, short	243
Burners cleaner	174
C	
Calculation examples ROBEND 3000 / ROBEND 4000	75
Calculation examples TUBE BENDER MAXI	74
Carbide-tipped cutters	242, 246
Carpenter pencil	333
Cartridge extractor set	318
CAS battery packs and charger	329
Chain pipe cutter	17
Chain pipe vice	331
Chain pipe wrench 4" R/L	309
Chain pipe wrench HEAVY DUTY	309
Chain-spinning head with spikes	242
Chain-spinning heads	245
Chain-spinning heads with spikes	245
Chisel	327, 330
Chisel screwdriver set EUROLINE IMPAKT	317
Clamping device	270
Clutch jaw for R 750	238
Clutch jaws	238
Concrete / masonry fixing set	51
Copper rings 1.1/4"	51
Copper tube bending springs	63
Corner pipe wrench 45°	307
Corner pipe wrench 45°, SUPER S	307
Cross-blade cutter, serrated	242, 244
Cutter knife	333
Cutter wheels	26
Cutting disc assortment	326
Cylinder pressure reducer	173
Cylinder transport trolley	172
D	
Deburrer adaptor I / II	33
Double clamp short	270
drain cleaning spirals	240
Drop-head auger	243
Dual hoses A/O	172
DURA LAZR TEC	112
DuraFlex spiral and tool set	249
DX High Speed Plus universal drill bits	49
E	
EASYGRIP	311
Electrical edge cutter	320
Electrical long nose plier	320
Electrical multi insulation stripper	320
Electrical power combination plier	320
Electrical power edge cutter	320
Electro-hydraulic expander pistol H1	89
ENORM 4"	20
Ergonomic electrical installation plier	320
EUROLINE	316
Expander A0	85
Expander adaptor type S	86, 89
Expander head compatibility	90
Expander head ROLOCK and standard	84
Expander head type S	86
Extensions	162
Extensions for drill bits	52
Extraction rotor RODIADUST	53
Extractor cam pincer	94
F	
Fitter's hammer	330
Fitting key	310
Fitting soft solder according to EN standard	176
Fitting solder 1 S	177
Fitting solder 3	177
Fittings soft solder flux	177
Fittings solders	177
Fittings wrench 90°	310
Flame reflectors	175
Flange adaptor clamping unit	260
Flanged riveted expander heads	86
Flaring and bending set	98
Flexible pipe welding attachments	167
Four-blade cutter	244
Funnel auger	242, 243
G	
Gas test plug / adaptor	191
General purpose tool set, 13 pcs.	334
General purpose tool set, 57 pcs.	334
GRATFIX HSS / UNIGRAT	34
Grease cutter	244
Grooved water pump pliers CL	305
H	
Hand roll groover 1 - 12"	146
Hand tool kit 4414, 18 pcs.	337
Hand wire brushes	175
Hard solder paste LP 5	178
Hard solder powder HKM	178
Hard solder rings S 2	178
Hard solders	179
HD 13/100	250
HD 17/190	250
Heating plate	260, 264
Hemp dispenser with roll	333
High Speed Plus natural stone	48
HM cutter clade inserts	26
HSSE 4 Plus	29
Hydraulic expander system H 600	88
I	
INOX Profi Plus	326
INOX-Profi Plus	326
Interchangeable press jaw compact	114
Internal brushes for copper pipe	175
J	
Jacket pipe cutter	27
Join the press revolution!	106
L	
Lightweight steel cylinders, filled	172
Lump hammer	330
M	
Magnet welding mirror	174
Manifold sets	282
Manual drain cleaner type 3 S	228
Manual trimmer unit	260
MAPP1) gas	158
Maxigas 400	159
Metal saw frame	29
MINI MAX	16
MINIBEND	62
MINICUT 2000	16
MINICUT I PRO / II PRO	16

Item	Page
MSR internal bending springs	63
MULTIBEND standard bender 180°	61
Multigas 300	159
N	
Neutralizer powder	224
NIPPEL MAX	145
Nitrogen set	284
O	
One-handed corner pipe wrench 90°	309
One-handed pipe wrench ALUDUR	308
One-handed pipe wrench STILLSON	308
One-handed pipe wrench HEAVY DUTY	308
One-handed pipe wrench OFFSET PATTERN HEAVY DUTY	309
Oxy-acetylene hoses	172
Oxygen hoses	172
Oxygen refilling bend	173
P	
Parallel vice	331
Peeling device	270
Pipe cutters, cutting wheels and spare parts	21
Pipe roughing wrench 3/8 - 2"	145
Pipe supporting column	145
Pipe vice	331
Pipe wrench 90°	307
PIPECUT mini	30
PIPECUT mini sets	31
Plastic pipe chamfering unit	272
Plate fin comb	293
Precision die heads	138, 144
Precision double flaring press DB 10	95
Precision threading dies	144
Press chains standard	116
Press jaws compact	113
Press jaws compact Ø 35 mm	113
Press jaws standard	114
Press jaws standard 3-elemental	115
Press jaws standard sets	115
PRISMACUT	40
Pro bender	61
Professional sets	306
Propane hoses	163
Propane regulators	163
Propane steel cylinder	163
Protective rubber cap	173
Pull bending	75
Push bending	73
Q	
Quad clamps	270
Quick clamping column	51
R	
R 550	230
R 600	230
R 650	232
R 750	232
R600 VarioClean	231
Ratchet pipe deburrer 1/4 - 2"	145
Ratchet spanner ROCLICK	314
RE 17 cutting tips and heating burners	171
RE 17 three-gas system AMS 10/10	170
RE 17 three-gas system AMS 5 and 10	170
RE 17 three-gas system AMS 5/5	170
RE 17 UNIVERSAL pipe welding set	171
RE 17 welding attachments	171
RE 17 welding attachments, bendable	171
RE 17 wing-lever cutting attachment	171
Reducing / extension pieces	249
Reduction inserts narrow P 110	260
Reduction inserts P 160 SANILINE	262
Reduction inserts P 250 A	264
Reduction inserts wide P 110	260
Reeling flaring tool	97
Refilling adaptor	163
Refrigerant for air-conditioning units	291
Replacement safety foot switch	145
Re-Rounding clamps	270
Retrieving auger	242, 243
RO AG8000 cordless angle grinder	325
RO DD60 cordless drill driver	321
RO FL180 cordless LED lamp	328
RO ID400 cordless impact wrench	324
RO RH4000 cordless rotary hammer	327
ROAIRVAC R32	286
ROAIRVAC R32 2.0/5.0 CL	288
ROAIRVAC R32 Series	287
ROBEND 3000 / 4000 / 4000 E	
ROBEND 4000	70, 71
ROBEND 4000 sets	72
ROBEND H+W PLUS	64
ROBEND H+W PLUS bender	65
ROBEND H+W PLUS bending sets	65
ROBIT PRO	322
ROBIT PRO torsion	322
ROBO Mini	29
ROBO Super	29
ROBOX	336
ROBOX plier sets	306
ROBOX set for Rocase 4414	336
ROBOY clamping workbench	331
ROBUCKET	337
ROBULL type E	66
ROBULL type E	67
ROBULL type E bending segments	67
ROBULL type ME	68
ROBULL type ME	69
ROBULL type ME bending segments	69
ROCADDY 120 R32 (CL) Analogue/Digital	280
ROCAL 20 / ROMATIC 20	
ROCAL Acid Multi / Plus	224
ROCAM 4 Plus - 30 m	212
ROCAM 4 Plus - 65 m	213
ROCAM 4 Plus mini module	213
ROCAM camera heads	214
ROCAM PE-X expander power torque	83
Rocase 4212/4414 pluck foam inlay	336
ROCASE 4407 with ROBOX	336
ROCASE 4414 with tray and ROBOX	336
ROCASE case system	335
Rocase shoulder belt	336
ROCASE trolley	337
ROCHECK	318
ROCHECK	318
ROCLEAN function	222
ROCLICK	313
ROCOOL 600	281
ROCUT	22
ROCUT TC 26 / TC 32 PS 26 / PS 42 S / PS 35 S	24
ROCUT TC 50 / TC 75 Professional	24
ROCUT TC 63 Professional	24
ROCUT 110	26
ROCUT 110 / ROCUT 160	25
ROCUT 160	26
ROCUT 42 Twin Cut	23
ROCUT UKS 160 / 355	271
ROCUT XL	271
RODIA DRY CLEANER 1600	53
RODIACUT 150 / RODIADRILL 160	42
RODIACUT 150 / RODIADRILL 200	42
RODIACUT 250 / RODIADRILL 500	44
RODIACUT 250 / RODIADRILL 200	44
RODIACUT 400 PRO / RODIADRILL 500	46
RODIADRILL 160	43
RODIADRILL 200	43, 45
RODIADRILL 500	45, 47
RODIADRILL Ceramic	41
RODRUM M & L drums	237
RODRUM M&L	236
RODRUM S	233
RODRUM VarioClean	235
ROFAST pliers wrench	310
ROFIRE 4	157
ROFIRE 4 PIEZO	157

Index

Alphabetical

Item	Page
ROFIRE GLOBAL	156
ROFIRE Swivel PRO cyclone piezo	156
ROFIRE Swivel PRO twin	156
ROFIX adaptor	138
ROFLAME 4 PIEZO	156
ROFLARE REVOLVER	96
ROFROST App	199
ROFROST CO2 Set	200
ROFROST Freezer Heads	201
ROFROST Turbo R290 1.1/4"	197
ROFROST Turbo R290 1.1/4"/ ROFROST Turbo R290 2"	196
ROFROST Turbo R290 2"	198
ROFROST Turbo reduction inserts	199
ROFUSE 400 / 1200 TURBO	265
ROGRAT MSR deburrer and chamfering tool	35
ROGRAT MSR system - manual chamfering attachments	35
ROGRIP F	302
ROGRIP M	302
ROGRIP plier sets	306
ROGRIP XL	303
ROGROOVER 1 - 12"	147
ROGROOVER 1 - 6"	146
ROKLIMA MULTI 4F	278
ROLeak Aqua Plus	192
ROLEAK Pro	285
Rolling skids	215
ROLOCK COMBI KIT expander / tee-extractor	91
ROLOCK expander power torque	82
ROLOCK expander power torque sets	83
ROLOT S 15	180
ROLOT S 2	179
ROLOT S 5	180
ROLOT S 94	179
ROMATIC and ruler	319
ROMAX 3000 AC	110
ROMAX 4000	108
ROMAX 4000 sets	109
ROMAX AC ECO	111
ROMAX Compact TT (TWIN TURBO)	104
ROMAX Compact TT sets	105
RONOL	139
RONOL SYN	139
ROOFING set	162
ROPOWER 50 R	140, 141
ROPOWER HANDY	228
ROPOWER profile cable	241
ROPULS eDM App	221
ROPULS eDM flushing compressor	220
ROPULS flushing compressor	221
ROPUMP	226
ROPUMP SUPER PLUS	226
RO-QUICK	313
ROREC	289
ROREC PRO Digital	290
ROSCALE 120	291
ROSCOPE i2000	207
ROSCOPE i2000 & ROCAM 4 Plus app	211
ROSCOPE i2000 module 25/16	209
ROSCOPE i2000 module 25/22	208
ROSCOPE i2000 module ROLOC PLUS	210
ROSCOPE i2000 module TEC	208
ROSCOPE mini	206
ROSLICE	18
ROSOL 1 S	177
ROSOL 3	177
ROSOL soldering paste	177
ROSOLAR PUMP	225
ROSOLAR PUMP PLUS	225
ROSPI H+E PLUS	227
ROSPIMATIC CL	229
ROTEST	193
ROTEST Electronic 4	193
ROTEST GW 150/4	190
ROTEST GW Digital V3	188
ROTEST GW Digital V3 - RoData Mobile App	189
ROTEST GW Digital V3 - RoData V3 PC-Software	189
ROTHENBERGER high-performance	
ROTHERM 2000	164
ROTHERM 2000 soft soldering set	165
ROTORQUE AIRCON / REFRIGERATION	99
ROTRAC 28 / 42	16
ROVLIES cleaning pads	175
ROWELD HE heating plates	269
ROWELD P 110	259
ROWELD P 110 basic machine	260
ROWELD P 125	269
ROWELD P 160 SANILINE	261
ROWELD P 160 SANILINE	262
ROWELD P 250 A	263
ROWELD P 250 A set	264
ROWELD P 63 S-6 Sword	267
ROWELD P 63 S-6 Sword sets	268
ROWELD ROFUSE Sani 160/315	266
ROWELD type Premium CNC	256
ROWELD type Professional	258
ROWONAL care and rust remover	239
ROXY 400 L	169
RP 30	187
RP 50-S / RP 50-S INOX	185
RP PRO III	186
S	
Safety igniters	173
Safety propane handles	163
Safety T-couplings	249
SANI KIT	130, 131
SANIFRESH	292
SANIGRIP/SANIGRIP PL	310
Sanitary four way key	312
Schrader valve tool	293
Screwdrivers sets	316
SDS-plus hammer drill	51, 328
Separating pin	239
Serrated forked cutter	246
Sheet metal crimping pliers	319
Silver hard solders Ag 134S 34 Cu U flux-covered	181
Silver hard solders Ag 145S 45 Cu / S 45 Cu U flux-covered	181
SMK-spirals	241
Soldered joints	176
Soldering flux and container forhydrochloric acid	174
Space welding	40
Spade head cutter	242, 244
Spare extractor hooks	93
Spare parts	264
Special diamond drills for tiles and natural stone	51
SPEED STAR DX	50
Spiral and tool sets	248
Spiral baskets	
Spiral guide gloves	239
Spiral guide hoses	238
Spiral retrieving device	239
Spiral sawtooth cutter	242, 244
Spirals 8 mm / 10 mm	249
Squeezing device	270
S-SMK-spirals	241
S-spirals	241
Standard bender 180°	62
Standard solder according to EN ISO standard	176
Standard spirals	241
Standard spirit level	319
Standard two handed bender 90°	61
Step expander A1	87
Straight auger	243
Strap and fittings wrench	311
SUPER 1.1/4" and 2"	20
SUPER 1.1/4" and 2" INOX	20
SUPER CUT	128
SUPER CUT ratchet arm	131
SUPER CUT sets Ø 1/2 - 1.1/4"	129
SUPER CUT sets Ø 3/8 - 1.1/4"	129
SUPER CUT sets Ø 3/8 - 2"	129
SUPER FIRE 3	152
SUPER FIRE 3 HOT BOX	153
SUPER FIRE 4	154
SUPER FIRE 4 HOT BOX	155
SUPER FIRE 3 basic set	153
SUPER FIRE 4 basic set	155
Supergas C 200 TSS	159
SUPERTRONIC 1250	132
SUPERTRONIC 1250 set	133

Item	Page
SUPERTRONIC 2 SE	143
SUPERTRONIC 2 SE / 3 SE / 4 SE	142
SUPERTRONIC 2000	134
SUPERTRONIC 2000 E	136
SUPERTRONIC 2000 set	135, 137
SUPERTRONIC 3 SE	143
SUPERTRONIC 4 SE	143
Surface-heating burner heads	162
SWO adjustable wrench	314

T

Tee-extractor	93
Tee-extractor ratchet	94
Tee-extractor sets	92
Telescopic basin nut wrench	315
Telescopic workbench	332
Telescoping guide tubes	239
Thread interfaces	51
Threading dies	138
Tool bag	333
Tool bag universal	333
Tool bag, small	333
Tool set Climate I + II	283
Tool set L	247
Tool set S	247
Toolboxapprentice	333
Toolkit sets	322
Torch spanner	174
Torque wrench set	99, 292, 314
TP 25	187
Trendy shouldertoolbox	333
Trendy tool bag	333
Trimmer adaptor P 160 SANILINE	262
Tripod stand	238
Tripod uni workbench	332
TUBE BENDER	58
TUBE BENDER MAXI	59
TUBE BENDER MAXI MSR	60
TUBE CUTTER 30 PRO / 50	17
TUBE CUTTER 30 PRO INOX	18
TUBE CUTTER 35 / 42 Pro	14
TUBE CUTTER 35 / 42 PRO INOX	19
TUBE CUTTER 35 DURAMAG counter display	15
TUBE CUTTER 35 MSR / 42 PRO MSR /42 PRO PVC	28
TUBE CUTTER 42 XL	15
TUBE CUTTER 67 / 125 / 168 PL Automatic	27
TUBE CUTTER CSST	19
TUBE CUTTER INOX	19
TURBOPROP	161
Two-way root cutter	242, 246

U

UNI small saw PUK	29
UNI stepped key set	312
UNICUT HM	323
UNIDRILL Automatic 28/42	94
Universal flaring tool	98
Universal internal & external deburrer	33
Universal workbench	332

V

Vacuum pump RODIA-VAC	51
Vacuum-sets	51
VDE screwdriver set	317
Voltage Detector E-Detector 90 – 1000 V	320

W

Water extraction systems	52
Water pump pliers SP	304
Water pump pliers type SPK	305
Water supply	52
WC-BLITZ RO-3 toilet auger	228
Welding blanket	175
Welding goggles EN 166	174
Working unit	332

Index

Numerical

No.	Page
0	
015060X	115
015062X	115
015063X	115
015068X	115
015080X	115
015101X	117 - 123
015102X	117 - 123
015103X	117 - 123
015104X	117 - 123
015105X	117 - 123
015106X	117 - 123
015151X	117 - 123
015152X	117 - 123
015153X	117 - 123
015154X	117 - 123
015155X	117 - 122
015161X	117 - 123
015162X	117 - 123
015163X	117 - 123
015164X	117 - 123
015180X	117 - 123
015181X	117 - 123
015182X	117 - 123
015183X	117 - 123
015211X	117 - 123
015212X	117 - 123
015213X	117 - 123
015214X	117 - 123
015215X	117 - 123
015216X	117 - 123
015217X	117 - 123
015218X	117 - 123
015219X	117 - 123
015220X	117 - 123
015222X	117
015223X	117
015224X	117
015225X	117
015226X	117
015227X	117
015230X	118 - 123
015231X	118 - 123
015232X	118 - 123
015233X	118 - 123
015234X	118 - 123
015260X	117 - 123
015261X	117 - 123
015262X	117 - 123
015263X	117 - 123
015264X	117 - 123
015265X	117 - 122
015269X	117 - 123
015271X	118 - 123
015277X	118 - 123
015280X	118 - 123
015281X	118 - 123
015282X	118 - 123
015282X	119
015283X	118 - 123
015284X	118 - 123
015291X	118
015292X	118
015293X	118
015294X	118
015302X	118 - 123
015304X	118 - 123
015306X	118 - 123
015307X	118 - 123
015308X	118 - 123
015311X	118 - 123
015312X	118 - 123
015313X	118 - 123
015314X	118 - 123
015315X	118 - 123
015317X	118 - 123
015318X	118 - 123
015321X	117 - 123
015322X	117 - 123
015323X	117 - 123
015324X	117 - 123
015325X	117 - 123
015326X	117 - 123
015327X	117 - 123
015328X	117 - 123
015329X	117 - 123
015330X	117 - 123
015331X	117 - 123
015333X	117 - 123
015334X	117 - 123
015335X	117 - 123
015336X	117 - 123
015337X	117 - 123
015338X	117 - 123
015339X	117 - 123
015351X	118 - 123
015352X	118 - 123
015353X	118 - 123
015354X	118 - 123
015355X	118 - 123
015357X	118 - 123
015358X	118 - 123
015362X	118 - 123
015364X	118 - 123
015366X	118 - 123
015367X	118 - 123
015368X	118 - 123
015370X	117 - 123
015371X	117 - 123
015374X	117 - 123
015376X	117 - 123
015377X	117 - 123
015378X	117 - 123
015379X	117 - 123
015380X	117 - 123
015385X	117 - 123
015389X	117 - 123
015391X	117 - 123
015392X	118
015393H	117 - 123
015393X	117 - 123
015394X	118
015395X	117 - 123
015396X	118
015397X	118
015398X	117 - 123
015399X	117 - 123
015401X	117 - 123
015530X	118 - 123
015531X	118 - 123
015532X	118 - 123
015533X	118 - 123
015534X	118 - 123
015580X	118 - 123
015581X	118 - 123
015582X	118 - 123
015583X	118 - 123
01700RD	284, 292
023020X	59
023021X	59
023022X	59
023090X	59
023091X	59
035510-A/-B	159
035521-A	158, 168
035521-B	158
035521-C	158
035570-A/-B	159
035648X	153, 155
035780X	169
035901-A/-B	159
045268D	175
053890X	268
053891X	268
053892X	268
053893X	268
053894X	268
053895X	268
053896X	268
053897X	268
055053D	21, 26
055054D	21, 26
055074D	21, 26
056370X	144
056371X	144
057950X	66
057961X	66
057966X	66
057969X	68
057972X	68
057973X	68
070007D	16, 21
070007X	16
070017D	16, 17, 21
070027(C)	21
070027DB	15
070028D	21, 28
070046D	20, 21
070051D	20, 21
070056D	15, 18-21
070057D	17, 21
070061D	20, 21
070088D	20, 21
070089D	20, 21
070110X	307
070111X	307
070112X	307
070121X	307
070122X	307
070123X	307
070124X	307
070130X	306
070131X	307
070132X	307
070133X	307
070134X	307
070135X	306
070140X	306
070188D	21, 28
070522D	305
070690X	31, 332
070699X	332
070705X	331
070735X	331
070780X	129
070781X	129
070790X	129
070821X	138
070822X	138
070823X	138
070824X	138
070825X	138
070826X	138
070831X	138
070832X	138
070833X	138
070834X	138
070835X	138
070836X	138
070840X	131
070842X	138
070843X	138
070849X	138
070850X	138
070869X	138
070870X	138
070891X	129
070892X	129
070908X	138
070912X	138
070913X	138
070914X	138
070915X	138
070917X	138
070918X	138
070919X	138
070920X	138
070921X	138
070945X	138
070946X	138
071533D	326
071534D	326
072070X	226
072185F	245
072945X	248
072955X	248
072956X	248
072962X	248
072967X	248
088840D	18
088841D	18
088842D	18
1	
11004	85
11006	33
11007	86, 89
11008	84
11010	84
11012	84
11014	84
11015	84
11016	84
11018	84
11020	84
11022	84
11028	84
11032	84
11035	84
11038	84
11040	84
11042	84
11044	33
11045	33
11052	84
11053	84
11054	84
11055	84
11056	84
11057	84
11058	84
11059	84
11062	84
11063	84
11078	87
11086	87
11087	87
11089	87
11093	87

No.	Page
11323	86
11325	86
11328	86
11332	86
11335	86
11336	86
11342	86
11346	86
11348	86
11358	86
11362	86
11364	86
11376	86
11380	86
11400	85
11955	86
11958	86
11962	86
11968	86
11975	86
12001	89
12013	88
12017	89
12018	89
12078	89
12080	89
12097	89
12400	82
12408	84
12410	84
12412	84
12414	84
12415	84
12416	84
12418	84
12420	84
12422	84
12428	84
12432	84
12435	84
12438	84
12440	84
12442	84
12452	84
12453	84
12454	84
12455	84
12456	84
12457	84
12458	84
12459	84
12462	84
12463	84
12500	83
12503	83
12505	83
12509	83
12511	83
12517	83
12518	83
12521	83
12522	83
12524	83
12526	83
12535	83
12536	83
12537	83
12538	83
12541	83
12601	91
12602	91
12604	91
12605	91
13002	88
13100	88
14000	35
14122	35
14126	35
14250	35
14707	122, 123
14708	117 - 123
14709	122, 123
14822	117 - 123
14823	117 - 123
14824	117 - 123
14825	117 - 123
14826	117 - 123
14832	118 - 123
14833	118 - 123
14834	118 - 123
14835	118 - 123
14836	118 - 123
14837	118 - 123
14838	118 - 123
14842	119 - 123
14843	117 - 123
14844	117 - 123
14845	117 - 123
14846	117 - 123
14847	117 - 123
14848	117 - 123
14849	114
14852	118
14853	118
14854	118
14855	118
14863	117 - 123
14864	122, 123
14865	117 - 123
14866	122, 123
14867	122, 123
14868	117 - 123
14869	114
14882	118 - 123
14883	118 - 123
14884	118 - 123
14885	118 - 123
14886	118 - 123
14895	114
15705	111
15730	111
15740	111
15750	111
15760	111
19166	334
100108	315
100109	315
100110	315
111405	328
111411	328
111419	328
111424	328
111429	51, 328
111447	328
111452	328
111455	328
168605	289
168713	289, 290
169200	287
170016	279, 292
170501	282
170502	282
170545	282
170546	282
170547	282
170600	282
170601	282
170602	282
170604	283
170605	283
170606	282
170607	282
170608	282
170912	291
170932	291
170950	292
170960	291
170961	291
171505	282
173204	292
173205	292
173206	292
175001	99, 292, 314
1000000046	16
1000000124	117
1000000125	117
1000000138	279
1000000145	221
1000000173	117 - 123
1000000190	221, 222
1000000212	146
1000000222	96
1000000223	96
1000000224	99
1000000225	99
1000000230	96
1000000231	96
1000000235	117 - 123
1000000236	117 - 123
1000000328	303
1000000383	258
1000000445	61
1000000529	168
1000000532	271
1000000539	281
1000000540	281
1000000541	281
1000000558	168
1000000563	256
1000000569	281
1000000570	281
1000000572	281
1000000620	168
1000000629	168
1000000633	173
1000000642	168
1000000720	146
1000000721	146
1000000722	146
1000000723	146
1000000743	168
1000000762	173
1000000764	173
1000000842	209
1000000850	146
1000000860	208
1000000861	210
1000000999	265
1000001000	265
1000001001	110
1000001068	306
1000001126	116
1000001134	220
1000001231	287
1000001256	234
1000001257	234
1000001273	115, 117, 119 - 123
1000001274	115, 117, 119 - 123
1000001275	234
1000001276	234
1000001308	234
1000001391	116, 117
1000001392	116, 117
1000001393	116, 117
1000001394	116, 117
1000001425	334
1000001426	282
1000001427	282
1000001431	61
1000001500	116
1000001501	116
1000001502	115
1000001545	72
1000001549	72
1000001550	72
1000001551	72
1000001552	72
1000001553	72
1000001554	72
1000001559	72
1000001561	73
1000001563	73
1000001564	72
1000001565	72
1000001566	72
1000001567	72
1000001630	155
1000001647	321
1000001648	324
1000001649	325
1000001650	327
1000001651	328
1000001652	105, 107, 109, 329
1000001653	31, 72, 105, 107, 109, 215, 329
1000001654	31, 72, 105, 107, 109, 215, 329
1000001691	105, 107, 109
1000001711	236
1000001712	236
1000001713	236
1000001714	236
1000001727	237
1000001728	237
1000001729	237
1000001730	237
1000001731	237
1000001732	237
1000001734	328
1000001738	72
1000001745	334
1000001747	19
1000001748	15
1000001762	226
1000001786	107
1000001807	115
1000001808	115
1000001810	115, 117
1000001811	115, 117
1000001836	215

Index

Numerical

No.	Page
1000001840	109
1000001856	109
1000001877	110
1000001879	109
1000001898	107
1000001923	109
1000001924	109
1000001925	109
1000001926	109
1000001927	109
1000001932	109
1000001955	337
1000001959	111
1000001989	106
1000002002	15
1000002011	135
1000002016	135
1000002035	321
1000002036	324
1000002037	325
1000002038	327
1000002065	115
1000002067	115
1000002068	115
1000002069	115
1000002077	19
1000002085	215
1000002108	336
1000002109	336
1000002111	105
1000002112	105
1000002113	105
1000002114	105
1000002115	105
1000002116	105
1000002117	105
1000002118	105
1000002119	105
1000002120	105
1000002121	106
1000002123	105
1000002124	105
1000002125	106
1000002134	114
1000002135	114
1000002136	114
1000002180	322
1000002181	322
1000002182	322
1000002188	306
1000002189	306
1000002194	308
1000002207	106
1000002222	15
1000002242	105
1000002262	147
1000002263	147
1000002264	147
1000002266	113, 117, 119 - 123
1000002267	113, 117, 119 - 123
1000002268	206
1000002298	229
1000002299	229
1000002307	105
1000002358	156
1000002359	157
1000002360	157
1000002364	155
1000002366	155
1000002368	155
1000002369	153
1000002370	153
1000002371	153
1000002399	287
1000002400	107
1000002548	31, 105, 107, 109, 329
1000002549	31, 105, 107, 109, 329
1000002560	280
1000002561	280
1000002625	336
1000002627	337
1000002628	337
1000002630	266
1000002631	266
1000002655	113
1000002683	109
1000002697	302
1000002698	302
1000002699	302
1000002700	302
1000002701	302
1000002702	302
1000002704	302
1000002705	302
1000002713	287
1000002714	287
1000002809	105
1000002945	106
1000002946	106
1000002964	261
1000002967	261
1000002970	262
1000002971	262
1000003011	23
1000003104	23
1000003165	31
1000003199	193
1000003229	288
1000003230	288
1000003231	288
1000003233	288
1000003345	231
1000003346	231
1000003347	235
1000003348	235
1000003371	235
1000003372	231
1000003374	31
1000003391	72
1000003392	72
1000003393	72
1000003394	72
1000003398	31
1000003532	106
1000003536	106
1000003622	280
1000003623	280
1000003624	106
1000003625	106
1200000526	271
1300003334	335
1300003336	335
1300003337	335
1300003338	335
1300003541	25, 335
1300003542	65
1300003649	335
1300004002	65
1300005045	93
1300005046	93
1300005047	93
1300005048	93
1300005049	93
1300005050	93
1300005051	93
1300005052	93
1300005054	93
1300005055	93
1300005056	93
1300005057	93
1300005058	93
1300005059	93
1300005060	93
1300005061	93
1300005062	93
1300005063	93
1300005064	93
1300005065	93
1300005067	93
1300005506	335
1300005864	25
1500000024	283
1500000025	283
1500000026	283
1500000027	283
1500000028	283
1500000029	283
1500000030	283
1500000031	283
1500000032	283
1500000052	209
1500000057	210
1500000087	333
1500000115	224
1500000116	224
1500000117	224
1500000120	215
1500000122	214
1500000123	214
1500000134	147
1500000135	225
1500000136	225
1500000157	222
1500000200	222
1500000201	222
1500000202	222
1500000203	221, 222
1500000236	17, 20, 33, 62, 63
1500000237	17, 20, 33, 107
1500000439	239
1500000696	208
1500000789	271
1500000790	271
1500000792	271
1500000793	271
1500000794	271
1500000795	271
1500000817	215
1500000914	224
1500000922	192
1500001235	225
1500001236	225
1500001299	333
1500001320	333
1500001324	228
1500001351	147
1500001352	147
1500001353	147
1500001355	155
1500001509	314
1500001510	314
1500001547	319
1500001548	319
1500001583	319
1500001711	147
1500001990	147
1500002182	333
1500002230	333
1500002239	336
1500002241	285
1500002253	237
1500002254	237
1500002255	237
1500002256	237
1500002257	237
1500002258	237
1500002259	237
1500002260	237
1500002261	237
1500002262	237
1500002263	237
1500002264	237
1500002265	237
1500002266	237
1500002267	237
1500002268	237
1500002271	237
1500002449	336
1500002450	336
1500002453	322
1500002454	322
1500002613	212
1500002614	212
1500002615	213
1500002616	213
1500002637	290
1500002641	336
1500002677	188
1500002763	336
1500002824	327
1500002825	327
1500002826	327
1500002827	327
1500002828	327
1500002829	327
1500002845	191
1500002846	191
1500002847	191
1500002848	191
1500002851	191
1500002852	191
1500002869	156
1500002876	191
1500002921	157
1500002922	157
1500003000	197
1500003001	198
1500003163	320
1500003164	320
1500003166	320
1500003167	320
1500003168	320
1500003169	320
1500003170	310
1500003296	213
1500003374	320
1500003381	292
1500003464	326
1500003465	326
1500003517	221
1500003533	192

No.	Page
1500003535	192
1500003621	31
1500003673	31
1500003674	31
1500003693	31
1500003694	31
1500003703	241
1500003704	241
1500003705	249
1500003706	235
1500003707	235
1500003708	235

2

21300	323
21316	323
21329	323
21334	323
21335	323
21395	323
21500	27
21505	27
21575	94
21583	94
21651	34
21652	17, 19, 21, 25, 34
21655	17, 20, 34
21660	17, 20, 34, 107
22010	93
22012	93
22014	93
22015	93
22016	93
22018	93
22028	93
22035	93
22038	93
22042	93
22050	93
22054	93
22060	93
22061	93
22062	93
22063	93
22064	93
22065	93
22066	93
22068	93
22080	94
22100	92
22101	92
22103	92
22109	92
22111	92
22121	92
22124	92
22126	92
22127	92
22135	92
23001	59
23002	59
23003	59, 60
23004	59
23005	59, 60
23006	59
23007	59
23008	59
23009	60
23010	59
23011	59
23012	59
23013	59
23014	59
23047	59
23050	60
23051	60
23052	60
23053	60
23065	60
23076	60
23080	60
23083	60
23095	60
24001	58
24006	58
24007	58
24008	58
24048	58
24049	58
24131	58
24132	58
24133	58
24134	58
24500	65
24501	65
24502	65
24503	65
24504	65
24505	65
24508	65
24510	65
24512	65
24514	65
24515	65
24516	65
24518	65
24519	65
24522	65
24552	65
25075	65
25076	65
25078	65
25120	62, 63, 65
25130	62
25131	62
25132	62
25133	62
25134	62
25135	62
25136	62
25137	62
25140	62
25142	62
25150	62
25151	62
25181	63
25182	63
25183	63
25185	63
25186	63
25190	63
25308	65
25310	65
25312	65
25313	65
25314	65
25315	65
25316	65
25318	65
25319	65
25322	65
25401	61
25402	61
25403	61
25404	61
25405	61
25406	61
25441	63
25442	63
25443	63
25445	63
25446	63
25612	73
25614	73
25615	73
25616	73
25618	73
25619	73
25620	73
25622	73
25625	73
25626	73
25628	73
25652	73
25684	73
25685	73
26001	95
26002	95
26003	95
26004	95
26005	95
26010	95
26011	95
26013	95
26015	95
26016	95
26017	95
26020	98
27180	94, 312
27181	94
222401	97
222402	97
222403	97
222412	97
222413	97
222601	98
224500	293
252100	319
259008	284
259010	284
259060	284
211111116	163
211121116	163
221031500	161
221031800	161
221131416	160
221131616	160
221131916	160
221132216	160
223090716	162
223090916	162
223214500	162
223215100	162
223215700	162
223216300	162
231010000	162
232010000	162
233510000	162
236010000	162
242206000	163
252010000	162
263005400	169
263005600	169
263005700	169
263005800	169

3

30101	163
30102	163
30913	160
30914	160
30915	160
30916	160
30925	163
30927	163
30954	162
30957	162
31032	161
31042	175
31043	175
31050	175
31090	161
31091	160
31092	160
31094	161
32077	173
32081	163
32088	173
32201	163
32207	163
32223	163
33079	163
33310	163
33311	172
35012	156
35016	156
35178	172
35179	172
35188	172
35189	172
35199	173
35210	172
35221	172
35222	172
35223	172
35300	166
35303	166
35304	166
35306	166, 167
35307	166, 167
35308	166, 167
35309	166, 167
35312	166, 167
35313	166, 167
35314	166, 167
35315	166, 167
35324	171
35325	171
35326	171
35327	171
35328	171
35329	171
35334	171
35338	171
35339	171
35341	171
35344	171
35345	171
35347	171
35348	171
35354	172
35400	170
35401	170
35403	170
35436	153
35475	171
35476	171
35477	171

Index

Numerical

No.	Page
35479	171
35480	171
35580	169
35585	169
35611	178
35629	167
35634	173
35635	172
35636	163
35651	169
35655	167
35695	169
35696	169
35697	169
35698	168
35713	169
35750	168, 172
35782	169
35785	169
35794	173
35800	171
36700	165
36702	165
36710	165
36711	165
36715	165
36720	165
36721	165
300013	29
310411	262
321216	260
321218	260, 264
322823	330
322922	330
323126	317
350850	310
350900	310
351043	312
351044	312
351050	315
351220	191
351221	191
351222	191
351223	191
351225	191
351226	191
351227	191
351228	191
351231	191
351232	191
351233	191
351257	191
351260	191
351261	191
351262	191
351263	191
351265	191
351271	191
351272	191

4

No.	Page
40005	180
40015	180
40094	179
40202	179
40212	179
40213	179
40500	178
40502	180
40514	178
40515	178
40528	178
44915	181
44916	181
44917	181
45055	181
45056	181
45220	177
45225	177
45250	177
45252	177
45255	177
45257	177
45266	177
45268	107, 175
402308	333
402311	333
402312	333
462212	61
462215	61
462218	61
462222	61

5

No.	Page
52000	24
52005	24
52010	24
52011	24
52015	24
52016	24
52030	24
52031	24
52040	24
52041	24
52042	24
53200	270
53210	270
53220	270
53240	270
53250	270
53251	270
53252	270
53253	270
53254	270
53255	270
53256	270
53258	270
53259	270
53260	270
53261	270
53262	270
53263	270
53271	270
53272	270
53273	270
53274	270
53275	270
53276	270
53277	270
53278	270
53279	270
53280	270
53281	270
53282	270
53283	270
53285	270
53511	268
53512	268
53513	268
53514	268
53515	268
53516	268
54005	262
54020	264
54040	262
54080	262
54082	262
54083	262
54084	262
54085	262
54086	262
54087	262
54088	262
54089	262
54090	262
54091	262
54950	26
54960	26
54961	26
55005	24
55006	24
55007	24
55015	24
55018	25
55019	26
55020	26
55021	26
55022	26
55023	26
55024	26
55025	26
55026	26
55027	26
55029	26
55030	26
55031	26
55032	26
55033	26
55035	25
55047	26
55048	26
55050	272
55051	272
55058	272
55063	25
55075	311
55076	311
55119	260
55120	260
55121	260
55122	260
55124	260
55125	260
55126	260
55127	260
55128	260
55129	260
55130	260
55132	260
55133	260
55134	260
55152	260
55163	264
55199	260
55316	262, 269
55317	264, 269
55318	260
55319	260
55321	269
55324	260
55505	271
55517	269
55518	269
55524	260, 269
55536	269
55539	269
55546	269
55585	269
55587	269
55588	269
55589	269
55590	269
55591	269
55592	269
55593	269
55594	269
55595	269
55596	269
55597	269
55598	269
55684	262
55685	262
55686	262
55717	264
55718	264
55719	264
55721	264
55742	264
55743	264
55744	264
55745	264
55746	264
55747	264
55748	264
55749	264
55750	264
55751	264
55752	264
55753	264
55759	264
55768	263
55787	260
55795	263
55807	260
55808	260
55809	260
55826	260
55832	260
55844	259
55851	262, 269
55854	264, 269
55918	260
55924	259
56001	144
56003	144
56006	144
56007	144
56008	144
56032	144
56045	141
56047	145
56049	141
56050	141
56051	141, 262
56052	144
56053	144
56054	144
56056	145
56057	141
56058	144
56059	144
56060	145
56061	145
56062	145
56063	145
56064	145
56065	145
56076	144
56077	144
56097	144

No.	Page
56098	144
56104	144
56110	144
56111	144
56112	144
56114	144
56118	144
56121	144
56122	144
56135	144
56150	143
56153	144
56156	144
56175	143
56180	144
56181	144
56183	144
56184	144
56198	143
56199	143
56200	143
56235	144
56236	144
56237	144
56238	144
56250	143
56253	143
56254	143
56255	143
56266	144
56268	144
56269	144
56271	144
56288	144
56289	144
56291	144
56294	144
56295	144
56296	144
56335	145
56369	144
56372	144
56373	144
56374	144
56379	144
56380	144
56465	143
56466	143
56475	143
56488	141, 143
56500	145
56501	145
56504	146
56505	146
56506	146
56507	146
56508	146
56509	146
56510	146
56511	146
56512	146
56514	146
56521	146
56522	146
56523	146
57050	143, 147
57979	67, 69
57981	67, 69
57983	67, 69
57985	67, 69
57986	67, 69
57987	67, 69
57988	67, 69
57989	67, 69
57990	67, 69
57991	67, 69
58010	67, 69
58011	67, 69
58012	67, 69
58013	67, 69
58014	67, 69
58015	67, 69
58016	67, 69
58182	67, 69, 238
58185	67, 69
510105	174
510106	174
511427	173
511428	173
530250	174
540360	173
540365	173
540620	174
540621	174
540622	174
540625	174
540626	174
540627	174
540640	174
540675	174
540851	174
540855	174
561351	175

6

No.	Page
60200	185
60201	185
60203	185
60250	187
60251	187
60999	185
61001	186
61011	191
61014	191
61017	191
61018	191
61030	191
61041	191
61100	223
61105	224
61106	224
61115	224
61120	224
61130	187
61185	186
61186	186
61190	223
61316	185
61700	190
61701	190
61702	191
62211	199
62212	199
62213	199
62214	199
62215	199
62216	199
62217	199
62219	199
62221	199
62224	199
62226	199
62227	199
62230	198
62231	199
62232	199
62233	199
62234	199
62235	199
62236	199
62237	199
62291	199
65000	193
65008	139
65010	139
65013	139
65015	139
65030	200
65035	201
65036	201
65037	201
65038	201
65039	201
65040	201
65041	201
65042	201
65044	201
69111	215
69112	215
69113	215
69117	215
69118	215
69119	215
69601	208
69603	208

7

No.	Page
70006	21
70010	16, 21
70011	16, 21
70015	16, 21
70023	21
70027	15, 107
70029	15, 21
70030	17, 21
70031	21, 27
70032	21, 27
70033	21, 27
70040	20, 21
70041	16, 17, 18, 21
70042	17, 21
70045	20, 21
70047	21
70052	21
70053	20, 21
70055	15, 19, 21
70060	20, 21
70063	21
70064	20, 21
70065	17, 21
70067	21
70068	21
70070	15, 19, 21
70072	15, 21, 28
70074	141
70080	16, 21
70081	21
70086	20, 21
70087	20, 21
70105	16, 21
70108	15, 21, 28
70109	15, 21, 28
70113	307
70114	307
70115	309
70116	309
70125	307
70142	17, 21
70148	308
70150	308
70151	308
70152	308
70153	308
70154	308
70155	308
70156	308
70157	308
70158	308
70159	308
70160	308
70161	308
70162	308
70163	308
70166	309
70167	309
70168	308
70169	308
70189	308
70190	308
70191	308, 309
70192	308, 309
70193	308
70194	308, 309
70195	308
70196	308
70197	308
70198	308
70199	308
70200	308
70201	308, 309
70202	308
70203	308, 309
70204	308, 309
70205	308
70206	308
70207	308
70208	308
70225	315
70226	315
70227	315
70228	315
70235	309
70240	311
70241	311
70242	309
70243	309
70244	309
70245	309
70246	309
70247	309
70263	309
70264	309
70265	309
70266	309
70267	309
70268	311
70269	311
70285	17, 21
70286	17, 21
70289	145
70296	145
70340	19, 21
70341	19, 21
70350	308
70351	308
70352	308
70353	308
70354	308

Index

Numerical

No.	Page
70355	308
70356	308
70374	308
70375	308
70376	308
70377	308
70378	308
70379	308
70380	308
70401	16, 21
70402	16, 21
70413	313
70414	313
70415	310
70416	310
70418	314
70419	314
70420	314
70421	314
70422	314
70423	314
70424	314
70425	314
70426	314
70427	314
70439	313
70490	313
70521	305
70522	305
70523	305
70527	304
70528	304
70529	304
70545	310
70548	310
70571	309
70572	309
70573	309
70574	309
70575	309
70591	305
70592	305
70593	305
70600	131
70623	333
70661	318
70665	318
70667	318
70670	331
70671	331
70672	331
70696	332
70698	332
70700	331
70710	331
70711	331
70712	331
70713	331
70714	331
70715	331
70721	331
70722	331
70731	331
70732	331
70733	331
70734	331
70740	332
70751	146, 332
70752	332
71019	17, 21
71085	18, 21
71206	29
71213	29
71215	29
71216	29
71217	29
71222	29
71250	135
71251	135
71256	135
71257	135
71258	135
71259	135
71271	138
71272	131
71453	133
71454	133
71470	133
71975	228
71976	228
71991	226
72003	228
72005	227
72016	228, 234
72071	226
72072	226
72073	226
72090	227
72095	227
72100	228, 239
72101	239
72102	239
72110	239
72111	239
72112	239
72120	239
72121	239
72130	239
72135	239
72140	239
72142	239
72150	249
72151	249
72154	244
72158	243
72159	243
72161	243
72162	243
72163	243
72164	244
72165	243
72166	244
72168	246
72169	244
72170	244
72171	244
72172	246
72175	244
72176	228, 244
72177	244
72178	244
72185	245
72186	245
72187	245
72188	245
72193	246
72203	243
72208	243
72210	249
72211	249
72221	243
72222	243
72223	246
72224	246
72226	246
72227	246
72228	246
72229	244
72234	244
72250	246
72251	246
72261	244
72263	243
72264	243
72265	246
72266	246
72275	244
72276	244
72277	244
72278	245
72284	245
72285	245
72286	245
72289	245
72295	246
72299	245
72321	243
72322	243
72324	246
72325	243
72326	246
72327	246
72328	246
72329	244
72341	245
72348	245
72350	246
72351	246
72360	244
72363	243
72365	246
72366	246
72375	244
72376	244
72377	244
72398	246
72412	249
72413	229, 249
72414	249
72415	249
72420	249
72421	249
72422	249
72423	249
72424	249
72425	229
72428	241
72431	241
72433	241
72435	241
72441	241
72442	241
72443	241
72444	241
72451	241
72452	241
72453	241
72455	241
72460	249
72461	249
72463	249
72490	241
72494	228
72514	238
72515	238
72522	249
72536	238
72538	238
72540	238
72541	238
72542	229
72559	238
72561	238
72562	238
72563	238
72638	238
72666	238
72686	230
72687	230
72688	232
72689	232
72820	251
72915	238
72918	237
72936	247
72937	247
72938	247
72939	247
72942	229
73280	312
73297	312
73298	312
73570	316
73571	316
73575	317
74629	208, 209
76020	250
76065	251
76068	251
76070	250
76088	251
76089	251
77050	330
77397	319
77506	251
78551	228
701011500	20, 21
750004100	17
751004200	17, 21
753000700	21
762955300	73
762955700	73
766004016	58
766100016	59
767050016	61
767750016	61
775004000	67, 69
775504100	67, 69

8

80679	21
85800	292
87800	293
88812	18
88815	18
88818	18
88822	18
88832	18
89501	292
89503	292
842100	29
854181	175
854183	175
854185	175
854186	175
854187	175
854390	318
856907	333
856911	333
865008700	133

No.	Page
9	
996277400	67, 69
F	
F80053	93
F80054	93
F84215	191
FF00025	50
FF00030	50
FF00045	50
FF00050	50
FF00055	50
FF00065	50
FF00075	50
FF00100	50
FF00110	50
FF00120	50
FF00130	50
FF00140	50
FF00150	50
FF00160	50
FF00200	50
FF00250	50
FF00280	50
FF00300	50
FF00350	50
FF00500	50
FF00610	50
FF00612	50
FF00616	50
FF00618	50
FF00620	50
FF00625	50
FF00632	50
FF00640	50
FF00645	50
FF00650	50
FF00655	50
FF00665	50
FF00675	50
FF00680	50
FF00700	50
FF00710	50
FF00730	50
FF30030	47
FF30150	43
FF30250	45
FF34150	43
FF34160	43
FF34200	45
FF34260	45
FF34500	47
FF35015	51
FF35028	41, 43, 45, 47, 52
FF35029	47
FF35040	52
FF35045	52
FF35050	52
FF35055	52
FF35060	52
FF35065	52
FF35070	52
FF35075	52
FF35080	51
FF35092	51
FF35093	51
FF35095	51
FF35120	51
FF35121	51
FF35122	51
FF35126	51
FF35129	51
FF35130	51
FF35136	47
FF35144	43, 45, 47, 53
FF35190	47, 51
FF35200	43, 45, 51
FF35301	41, 52
FF35302	41, 52
FF35700	41, 43, 45, 52
FF35710	51
FF35730	52
FF35740	51
FF35751	41
FF40056	53
FF40150	41, 43, 45
FF40165	43
FF40220	43, 45
FF40400	45, 47
FF44030	49
FF44040	49
FF44050	49
FF44060	49
FF44070	49
FF44080	49
FF44090	49
FF44100	49
FF44110	49
FF44120	49
FF44130	49
FF44140	49
FF44150	49
FF44160	49
FF44170	49
FF44180	49
FF44200	49
FF44220	49
FF44250	49
FF44300	49
FF44620	49
FF44630	49
FF44640	49
FF44650	49
FF44660	49
FF44670	49
FF44680	49
FF44690	49
FF44700	49
FF44710	49
FF44720	49
FF44730	49
FF44806	48
FF44808	48
FF44810	48
FF44812	48
FF44814	48
FF44815	48, 51
FF44816	48
FF44820	48, 51
FF44822	48
FF44824	48
FF44830	48
FF44835	48
FF44840	48
FF44850	48
FF44860	48
FF44867	48
FF50007	51
FF50008	51
FF55131	52
FF55201	52
FF55374	53
FF55388	53
FF44867	48
FF50007	51
FF50008	51
FF55131	52
FF55201	52
FF55374	53
FF55388	53
R	
R17300416	291
R2301500	59
R2403200	58
R2403300	58
R2403400	58
R2403500	58
R6112500	185, 187
V	
V12102000	186
V12110016	186

Legend

Abbreviations

Abbreviation	Description
A/S	Acetylene / Oxygen
ABS	Acrylonitrile-Butadiene-Styrene
ADR	Accord européen relatif au transport international des merchandises 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 Hydroflurocarbons
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

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	Obital 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 [1]

Miscellanezous

- 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 [2]
- eTOOL (NFC tag)
- ROBOX Sorting system
- Product apps for Android and iOS
- Eco-friendly refrigerant

[1] More information at cordless-alliance-system.com

[2] Detailed guarantee terms at rothenberger.com/de-de/5-jahres-umtauschgarantie

ROTHENBERGER Enclosed Power Transmision

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

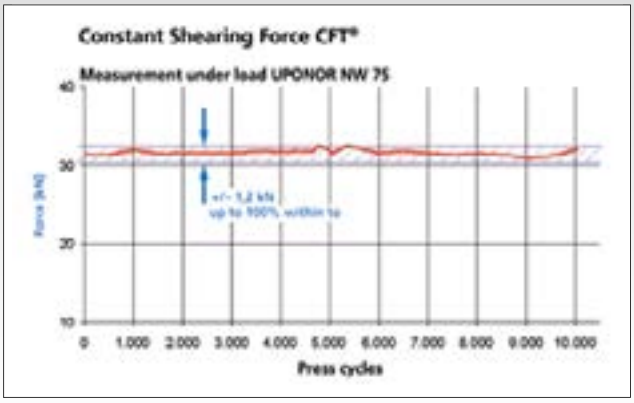
The golden **TiN Coating** **(Titannitrid-coating)** of the expander head offers the following technical benefits:

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

DURAMAG
HI-Tec magnesium body

Packaging units Packaging unit

General conditions for the sale of Goods

§ 1 Scope

1. These General Terms and Conditions of Sale apply to all business relationships between ROTHENBERGER Werkzeuge GmbH, Industriestr. 7, 65779 Kelkheim, Germany ("we" or "us") with our customers ("Buyer" or "Purchaser"). The General Terms and Conditions of Sale (GTCs) shall only apply if the Buyer is a company, an entrepreneur, a legal person under public law or federal special funds (B2B business).

2. The GTCs apply, in particular, to contracts on the sale and/or delivery of movable items ("Goods") without consideration given to whether we manufacture the Goods or purchase these from suppliers (§§ 433, 651 BGB). Unless otherwise agreed, the GTCs in the version valid at the time of the Buyer's order or in any case in the version last notified to him in text form shall also apply as a framework agreement for similar future contracts, without us having to refer to them again in each individual case.

3. Our GTCs apply exclusively. Deviating, conflicting or supplementary general terms and conditions of the Buyer shall only become an integral part of the contract if and insofar as we have expressly agreed in writing to the validity of such conditions. In particular, no consent can be seen in the acceptance of the subject matter of the contract or the payment, even if the acceptance or payment is made with knowledge of conflicting or supplementary general terms and conditions of the Buyer. Similarly, any previously agreed general terms and conditions of the Buyer that conflict with or supplement these GTCs shall no longer be recognized.

4. Individual agreements entered into with the Buyer in individual cases (including subsidiary agreements, supplementary information and amendments) shall have preference over these GTCs. Subject to proof to the contrary, a written contract or our written confirmation shall be decisive for the content of such agreements.

§ 2 Conclusion of contract

1. All offers are subject to change without notice. Catalogue and leaflet details are only approximate. Constructive changes are reserved. Technical documentation (e.g. drawings, plans, calculations, references to DIN standards) are not binding for us unless otherwise agreed in writing.

2. The Buyer shall be bound by his pending order for 4 weeks after receipt by us. The contract of purchase shall be deemed entered into if the order has been accepted in text form within this period or the delivery has been performed.

3. Supplementary information, amendments and subsidiary agreements are subject to written confirmation by us.

§ 3 Prices and terms of payment

1. Unless otherwise agreed or stated, the prices apply EXW (INCOTERMS 2020), based on our respective location, excluding packaging, freight, postage, customs duties, surcharges and insurance etc. plus VAT. These costs shall be charged separately.

2. Insofar as the agreed prices are based on our list prices and the delivery takes place more than 2 months after conclusion of the contract, the list prices valid at the time of delivery shall apply.

3. For orders that do not exceed an order value of 250.00 € net, we charge a minimum quantity surcharge of 15.00 €.

4. For orders that are sent to an address that differs from the Buyer's address (so-called drop shipment), we charge a surcharge of 5.00 €.

5. Unless advance payment has been agreed, the payment of deliveries within the EU, EFTA and UK must be made within 30 days of the invoice date without deduction to one of our named accounts.

6. Payment for deliveries outside the EU, EFTA and UK shall be made exclusively by advance payment.

7. In the event of default in payment on the part of the Buyer, we shall at least be entitled to the statutory default interest. This does not affect additional claims for default, for example against merchants in respect of the commercial interest after the due date (§ 353 HGB), remain unaffected.

8. Except in cases of a fixed price agreement, the parties undertake, at the request of a party, to agree, based on good faith principles, on an appropriate price correction if, in the case of a contract with term of at least 12 months, at least three months after entering into the contract order-related costs increase or drop for us, in a manner that is verifiable and significant (more than 5%) for reasons that are not our responsibility, e.g. as a result of increased raw material prices or energy costs.

9. In the event of default in payment on the part of the Buyer or in the case of reasonable doubt about the Buyer's creditworthiness (including facts that already applied at the time of entering into the contract) and which we were not aware of (or which we should have been aware of), we shall be entitled, prior to further performing the contract, to request advance payment for outstanding services or request the provision of security. Following the lapse in vain of a reasonable additional period for providing such securities, we shall be entitled (irrespective of further statutory rights) to withdraw from the contract.

10. Where the Buyer has authorized us to use SEPA direct debiting, such a direct transfer order collection shall normally be announced in advance in conjunction with the invoicing at the latest 1 (one) calendar day prior to the due date of the direct debit (pre-notification).

§ 4 Setting off, right of retention

The Buyer may only have the right to offset if his counterclaims have become res judicata, are not disputed or have been recognized by us. The Buyer shall only be entitled to exercise a right of retention insofar as his counterclaim is based on the same contractual relationship.

§ 5 Scope of delivery, deviation from the order, procurement risk

1. Our written order confirmation is decisive for the scope of the delivery. Partial deliveries are permitted and shall be noted on the delivery note.

2. Where special tools or parts are ordered, and production based on a specific quantity is not economically possible, we shall be entitled to increase or decrease the order quantity in a manner that is customary in trade by up to 10%, at least however by two items. The actual delivery quantity shall be charged.

3. Where products can only be delivered in a certain packaging unit, we reserve the right to round up to the amount for the next higher quantity of packaging unit.

4. We do not accept any procurement risk for the Goods to be delivered.

5. The cost of dead freight that is the responsibility of the Buyer or his shipping agent shall be borne by the Buyer.

§ 6 Delivery and performance time

1. Binding delivery times must be expressly agreed upon as such in writing. Other delivery time details that are not expressly agreed upon as binding are non-binding or approximate delivery time details, and we shall endeavour to honor these, but from which the Buyer cannot derive any claims for compensation.

2. If, in exceptional cases, binding delivery periods have been agreed, they run from the date on which we confirm an order but not, however, before all technical and commercial details of the order including delivery have been clarified and all the preconditions to be met by the Buyer have been met. Where the Buyer requests amendments after placing an order, and we consent to the amendment or if amendments become absolutely necessary for reasons for which we are not responsible, a new reasonable delivery period shall start to run.

3. The day of collection from us shall be deemed to be the day of delivery, but at the latest 2 days after notification of readiness for dispatch, the Goods shall be deemed to have been delivered. Deliveries prior to expiry of the agreed delivery time are permitted.

4. If events of force majeure (e.g. warlike events, terrorist attacks, natural disasters, nuclear accidents), labor disputes, official measures and other unforeseeable, unavoidable, serious events outside the scope of risk occur to us or the Buyer, the respective contractual party shall be released from its performance obligations for the duration of the disruption and to the extent of its effect. The occurrence of an event of force majeure shall be notified to the respective other party within 3 working days. If the hindrance lasts longer than 3 months, the respective other contracting party shall be entitled, after setting a reasonable grace period, to withdraw from the contract with regard to the part not yet fulfilled. Other rights of termination shall remain unaffected by this provision.

5. In the case of so-called call-off orders, we may request a binding classification two weeks after confirmation of order. If the Buyer fails to honor this request within three weeks, or if the Buyer defaults in acceptance, we shall be entitled to set an additional period of two weeks and once such a period has lapsed withdraw from the contract and claim for damages. Where not agreed to the contrary, as a matter of principle, deliveries ordered by way of a call-off are to be accepted within six months following confirmation of order.

6. Insofar as we are responsible for the failure to meet delivery dates that have been assured with binding force in exceptional cases, the Buyer shall be entitled to compensation of the proven damage sustained by the Buyer as a result of the default but, however, in terms of amount limited at most to 0.5% of the Goods value that is in default for each full week of the default and at most shall be entitled to 5% of the Goods value affected by the default. Compensation for further damage, in particular the loss of expected profit and other indirect damage, is excluded in accordance with Section 9 of these GTCs ("Limitation of Liability").

§ 7 Dispatch and transfer of risk

1. Unless otherwise agreed or stated (e.g. for deliveries within Germany), all deliveries apply ex warehouse or ex works (see Section 3 of these GTCs), which is also deemed the place of performance for potential subsequent performance. As a result, the Buyer is responsible for transport/shipping and the risk of accidental loss or accidental deterioration shall pass to the Buyer upon handover to the carrier/the person otherwise determined in respect of performing the consignment. This also applies to drop shipments.

2. Similarly, the risk of accidental loss/accidental deterioration shall pass to the Buyer upon dispatch if we send the Goods to the Buyer at the Buyer's request. We reserve the right to select the transport route and the means of transport. We are entitled, but do not undertake, to insure deliveries in the name and on account of the Buyer.

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 transfer of risk. By contrast, the statutory period applies with respect to claims resulting from the German Product Liability Act or claims attributable to the loss of life, physical injury or detrimental effects on health. 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 recognition or acceptance of a defect.

2. If the Buyer grants his customer a longer warranty period, this has no effect on the period according to paragraph 1 of this Section.

3. Returns that are not based on a faulty object of sale are not permitted. In the event that a return is permitted in an exceptional case as a result of an express, written agreement, a credit note shall only be issued by way of deducting at least 25% of the purchase price. All return delivery costs shall be borne by the Buyer.

4. In respect of the Buyer's warranty claims, it is required that the Buyer has honored his obligations to inspect and provide notification of defects. We are to be notified in text form of obvious defects within eight calendar days from delivery and notified of hidden 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.

5. If the delivered item is faulty, we may choose whether to provide subsequent performance by way of rectifying the defect (subsequent improvement) or by delivering a fault-free items (replacement). Subsequent performance shall neither entail the dismantling of the faulty item nor new installation if we did not originally undertake to provide installation. The Buyer is to give us the necessary time and opportunity to provide the due subsequent performance, in particular handover the Goods for which notification of defects has been provided for inspection purposes. In the event of replacement, the Buyer is to return the faulty item to us. The limitation period does not begin to run again after subsequent performance.

6. If it becomes clear following an inspection that an item was not faulty, we may request compensation from the Buyer for the costs arising from the unjustified complaint (in particular inspection and transport costs) unless the Buyer could not recognize that the item was not faulty.

7. The Buyer's claims for compensation for loss suffered or reimbursement of expenses incurred in vain shall only apply, including in the case of defects, in accordance with Section 9 and in other respects are excluded.

8. The above limitation periods of the sales law also apply to the Buyer's contractual and non-contractual claims for damages that are based on faulty Goods unless application of the normal statutory limitation period (e.g. §§ 195, 199 BGB) would, in an individual case, result in a shorter limitation period.

§ 9 Limitation of liability

1. Claims for compensation for loss suffered, irrespective of on which legal grounds these are based, are excluded unless we are to be accused of intent or gross negligence or of violating a key contractual obligation (see paragraph 2 of this Section) more than just insignificantly. Where we are liable for simple negligence, the liability shall be limited to compensation of foreseeable, typical and direct damage. Compensation for indirect or collateral damage such as the loss of expected profit, loss of production and use and pecuniary damage regarding third party claims is excluded.

2. Essential contractual obligations are a) obligations that protect the Buyer's essential contractual legal positions that are to be granted to him in accordance with the content and purpose of the contract and b) such contractual obligations, the honoring of which is required to properly execute the contract and compliance with which the Buyer can normally expect.

3. The aforementioned liability limitations also apply in the case of violations of obligations by, or in favor of, persons whose culpability is our responsibility in accordance with legal requirements. They do not apply if we have fraudulently concealed a defect, in the case of guaranteed provided in an exceptional case, to the Buyer's claims in accordance with the German Product Liability Act or as a result of loss of life, physical injury or detrimental effects on health.

§ 10 Rental containers and pallets

1. If we make the ordered Goods available to the Buyer on Euro pallets or other re-usable packaging, these are to be replaced by the Buyer within 7 calendar days with replacement items of the same type and value, or are to be returned to us. If this does not occur, we shall be entitled to invoice the Buyer for the used pallets/packaging at the replacement price.

2. In the case of gas deliveries, rental containers or pallets shall only be handed over to the Buyer on a rental basis for the transport, storage and for the Buyer's own use of the acquired gasses. Any other use, or forwarding to third parties, is prohibited. After emptying, the Buyer is to return the containers and pallets to us without delay at his own cost.

3. The Buyer shall be liable for any damage, pollution or loss of rental containers or pallets, and in such cases undertakes to inform us without delay.

4. In respect of surrendered rental containers that are not contrasted with appropriate gas containers for longer than three months, we may request as security an amount in the sum of the respective list price of similar, new, containers. Such an amount falls due for payment immediately. As soon as the Buyer returns a container for which security has been provided, the security shall be returned to the Buyer without interest and less potential repair costs. If the Buyer fails to return the containers, the security amount shall be set off against the compensation for damages payable by the Buyer. Potential residual content in returned containers shall not be remunerated.

§ 11 Product Discontinuations

We reserve the right to cancel products with 6 months' notice.

§ 12 Reservation of title

1. We reserve title to the supplied Goods up until all existing claims resulting from the business connection (current account reservation) against the Buyer have been settled in full. Processing/finishing or conversion shall apply at all times in our name and by our order for us, however without any obligation for us, and without loss of our ownership.

2. The parties agree that the reservation of title also applies as extended reservation of title. The Buyer is entitled to sell the Goods during the course of normal business activities. Other disposal is prohibited, in particular an agreement on assignment prohibition with customers is prohibited that could result in the loss of our ownership.

3. The Buyer assigns to us at this point in time any claims to which the Buyer is entitled resulting from the use of the reserved Goods. If the Goods are sold with external items, or used as a substance, the assignment only applies to the revenue part that corresponds to the joint ownership part.

4. The entitlement to resell the object of sale shall become inapplicable if the Buyer discontinues his payment or defaults in payment. In such cases, we shall be entitled to disclose the assignment and collect the claim. The Buyer is to notify us without delay if an application is filed for the institution of insolvency proceedings regarding his assets.

5. The Buyer is only entitled to collect assigned claims during the ordinary course of business activities. The Buyer is to provide notification of third party access to the reserved Goods without delay, and carry the cost of potential intervention. The Buyer is to insure the reserved Goods at replacement value and at its own cost, in particular against theft, water, breakage, fire and other damage. The Buyer is to treat the reserved Goods with due care, in particular comply with the proposed maintenance and use notices.

6. We undertake at the Buyer's request to release securities insofar as the realizable value of the security exceeds the claims that are to be secured by more than 10%. We are free to choose the securities that are to be released.

7. In the event of non-payment of the due purchase price irrespective of a reasonable additional period or if this can be dispensed with, we shall be entitled, in accordance with the statutory requirements, to withdraw from the contract and/or demand return of the Goods as a result of the reservation of title. The demand for the return of the Goods does not simultaneously contain a statement of withdrawal. Moreover, we are entitled to merely demand the return of the Goods and reserve the right to withdraw.

8. For the duration of the reservation of title, in the event of the occurrence of damage we shall be entitled to all rights resulting from insurance policies entered into by the Buyer. In the absence of agreements to the contrary, benefits resulting from the comprehensive insurance are to be used in full for the repair of the delivery item. If a repair is waived following our approval in the case of severe damage, we shall use the insurance benefit to repay the purchase price and the cost of ancillary performance.

§ 13 Resale and export restrictions

1. Subject to deviating individual agreements, the Goods purchased from us are only intended for use within the territorial scope of the legal framework existing at the place of delivery. The catalogued offer of a product as a country version for a specific country or territory is equivalent to an individual agreement in this respect.

2. The transfer of the Goods purchased from us to a country other than that of the place of delivery is prohibited if the transfer violates an existing and subsequent export ban. This applies in particular to legal export restrictions, war weapons control, boycotts, embargoes and US sanctions.

3. Failure to comply with the limitation of paragraph 2 of this Section constitutes a serious breach of contract which entitles us to withdraw from the contract or to terminate the contract and obliges the customer to compensate for all damages and disadvantages incurred by us.

§ 14 Applicable law, place of jurisdiction

1. The law of the Federal Republic of Germany applies to these General Terms and Conditions of Sale and the legal relations between us and the Buyer, by way of exclusion of international uniform law, in particular the UN Convention on Contracts for the International Sale of Goods (CISG) and the conflict of laws.

2. The place of business stated in paragraph 1 of this Section is deemed the exclusive, including the international, place of jurisdiction for all disputes resulting directly or indirectly from the contractual relationship. However, in all cases we are also entitled to bring legal action at the place of performance of the delivery obligation in accordance with these General Terms and Conditions of Sale or at the Buyer's general place of jurisdiction. This does not affect prior-ranking statutory requirements, in particular in respect of exclusive places of jurisdiction.

§ 15 Severability clause

In the event that individual provisions of these General Terms and Conditions of Sale are or become invalid, this shall not affect the validity of the other provisions. The parties undertake to replace the invalid provision with a legally valid regulation that comes closest to the economic objective of the invalid provision.

Date: June 2022

Additional terms of delivery and payment for Germany

The following terms apply in addition to the general conditions for the sale of Goods (pages 354–355):

Surcharges:

Hazardous material	€ 9.50 surcharge for dangerous Goods, per delivery
Solder material	The prices for solder material depend largely on the current silver and copper prices. Price surcharges due to increased raw material prices are reserved; please ask for the current prices.
Route delivery	€ 5.00
Minimum quantities	For orders under € 250.00 net surcharge of € 15.00

Shipping / Shipping costs flat rate within Germany:
Shipping is carried out by us via transport carriers of our choice.
We charge a flat rate for this:

Goods value	Surcharge	Flat rates
Up to € 250.00	€ 15.00	€ 12.00 net
Up to € 399.99	–	€ 12.00 net
As of € 400.00	–	free house

Payment of deliveries within EU, EFTA and UK:
30 days net from invoice date (no discount)

Payment of deliveries outside the EU, EFTA and UK:
prepayment

Notes



Imprint

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