ROTHENBERGER
pipetool technologies at work



MAIN CATALOG 2018







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 tradespeople, 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.

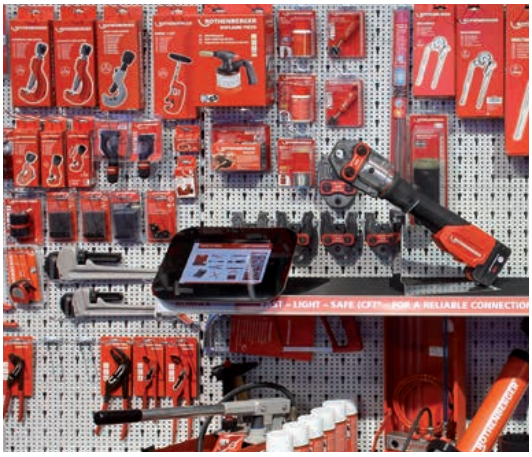



ROTHENBERGER
HENBERGER

Focused on our users

Solutions for professionals: systems that fit.

Our system solutions extend beyond tools: the ROCASE case system is suitable for the transportation and storage of equipment. Our ROBOX packaging can be re-used as containers for consumables in the ROCASE. With our batteries, you can operate several pieces of equipment so that your construction site is never at a standstill. And the equipment management ensures that you always know where your tools are.







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.*





People are fans of quality. All over the world.

Tradesmen all over the world use millions of ROTHENBERGER tools. You have a choice of over 6000 tools and machines. We endeavour to ensure that our technology, products, apps and services exceed your expectations – and therefore set standards.





We are here for you.

You can reach us through many channels – the website www.rothenberger.com, by email at info@rothenberger.com, by phone on our customer hotline and on our technical customer service hotline. Also, visit us on Facebook and YouTube!

RO SERVICE+ ROTHENBERGER

* Complete terms and conditions at www.rothenberger.com/service. RO SERVICE+ only valid in participating countries.

rothenberger.com



We connect people with water and energy. Safe. Sustainable.







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*Detailed guarantee terms can be found at https://rothenberger.com/de-de/5-jahres-umtauschgarantie.



Cutting

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System Overview Cutting Tools

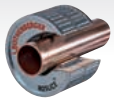
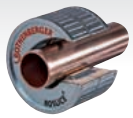
Pipe Cutter Steel, Plastic, MSR

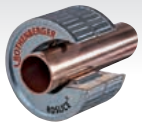
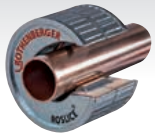
	TC 35 DURAMAG®	TC 35 C	TC 35 DURAMAG® MSR	INOX TC 35 PRO DURAMAG®	TC 42 PRO
					
Working range:	Ø 6-35 mm (1/4-1.3/8")	Ø 6-35 mm (1/4-1.3/8)	Ø 6-35 mm (1/4-1.3/8")	Ø 6-35 mm (1/4-1.3/8")	Ø 6-42 mm (1/4-1.5/8")
Dimensions:	150 x 60 x 40 mm	150 x 60 x 40 mm	150 x 60 x 40 mm	150 x 60 x 40 mm	160 x 60 x 40 mm
Weight:	255 g	470 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	Internal pipe deburrer, Spare cutter wheel
Suitable for:	Cu, Brass, Al, Thin-walled steel pipes	Refrigeration technology	PE-,PP-, PVDF-, PVC, Plastic coated pipes	Stainless steel	Cu, Brass, Al, Thin-walled steel pipes
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	TC 42 PRO MSR	TC 42 PRO PVC	INOX TC 42 PRO	MINICUT I PRO	MINICUT II PRO
					
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 3-16 mm (1/8-5/8")	Ø 6-22 mm (1/4-7/8")
Dimensions:	160 x 60 x 40 mm	160 x 60 x 40 mm	160 x 60 x 40 mm	46 x 35 x 22 mm	55 x 38 x 22 mm
Weight:	550 g	550 g	550 g	110 g	125 g
Extras:	Internal pipe deburrer, Spare cutter wheel	Internal pipe deburrer, Spare cutter wheel	Internal pipe deburrer, Spare cutter wheel	Spare cutter wheel Spare axle	Spare cutter wheel Spare axle
Suitable for:	PE-,PP-, PVDF-, Plastic coated pipes	PE-,PP-, PVDF-, Plastic coated pipes	Stainless steel	Cu, Brass, Al, Thin-walled steel pipes	Cu, Brass, Al, Thin-walled steel pipes
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	MINICUT 2000	MINI MAX	TUBE CUTTER 30 PRO	TUBE CUTTER 50 PRO	INOX TUBE CUTTER 30 PRO
					
Working range:	Ø 6-22 mm (1/4-7/8")	Ø 3-28 mm (1/8-1.1/8")	Ø 3-30 mm (1/8-1.3/8")	Ø 12-50 mm (1/2-2")	Ø 3-30 mm (1/8-1.1/8")
Dimensions:	70 x 40 x 30 mm	80 x 60 x 30 mm	150 x 60 x 28 mm	175 x 75 x 30 mm	150 x 60 x 28 mm
Weight:	140 g	270 g	305 g	520 g	305 g
Extras:	Spare cutter wheel Spare axle	Spare cutter wheel Spare axle	Internal pipe deburrer, Spare cutter wheel	Internal pipe deburrer, Spare cutter wheel	Internal pipe deburrer, Spare cutter wheel
Suitable for:	Cu, Messing, Al, Thin-walled steel pipes	Cu, Messing, Al, Thin-walled steel pipes	Cu, Brass, Al, Thin-walled steel pipes	Cu, Brass, Al, Thin-walled steel pipes	Stainless steel Thin-walled steel pipes
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Pipe Cutter Steel

	Automatic Pipe Cutter sz. 1	Automatic Pipe Cutter sz. 2	Chain Pipe Cutter	ROSLICE 12 mm	ROSLICE 15 mm
					
Working range:	Ø 6-67 mm (1/4-2.5/8")	Ø 50-127 mm (2-5")	Ø 20-100 mm (1-4")	Ø 12 mm (1/2")	Ø 15 mm (5/8")
Dimensions:	240 x 110 x 50 mm	360 x 80 x 70 mm	370 x 280 x 250 mm	175 x 100 x 45 mm	175 x 100 x 45 mm
Weight:	755 g	755 g	575 g	230 g	240 g
Extras:	Internal pipe deburrer Spare cutter wheel	Internal pipe deburrer	–	–	–
Suitable for:	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	Cu	Cu
Page	**17**	**17**	**17**	**18**	**18**

	ROSLICE 18 mm	ROSLICE 22 mm	INOX TUBE CUTTER	ENORM 4"	SUPER 1.1/4"
					
Working range:	Ø 18 mm (3/4")	Ø 22 mm (7/8")	Ø 6-60 mm (1/4-2.3/8")	Ø 60-115 mm (2-4")	Ø 10-42 mm (1/8-1.1/4")
Dimensions:	175 x 100 x 55 mm	175 x 100 x 45 mm	230 x 110 x 40 mm	600 x 175 x 55 mm	270 x 80 x 35 mm
Weight:	250 g	260 g	780 g	7,105 g	1,040 g
Extras:	–	–	–	–	–
Suitable for:	Cu	Cu	Stainless steel	Steel	Steel
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	SUPER 2"	INOX SUPER 1.1/4"	INOX SUPER 2"
			
Working range:	Ø 10-60 mm (1/8-2")	Ø 10-42 mm (3/8-1.1/4")	Ø 10-60 mm (3/8-2")
Dimensions:	370 x 100 x 55 mm	280 x 110 x 40 mm	370 x 100 x 55 mm
Weight:	2,155 g	1,040 g	2,155 g
Extras:	–	–	–
Suitable for:	Steel	Stainless steel	Stainless steel
Page	**20**	**20**	**20**

System Overview Cutting Tools

Plastic Pipe Cutter

	TC 67 PL	TC 125 PL	TC 168 PL	PLASTICUT PVC 32 mm	PLASTICUT PVC 40 mm	PLASTICUT PVC 50 mm
						
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")	Ø 32 mm	Ø 40 mm	Ø 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	55 g	70 g	115 g
Extras:	Internal pipe deburrer Spare cutter wheel	Internal pipe deburrer	IInternal 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	PVC	PVC	PVC
Page	**24**	**24**	**24**	**25**	**25**	**25**

Plastic Shears

	ROCUT® TC 26	ROCUT® TC 32	ROCUT® PS 35	ROCUT® PS 26/42 S	ROCUT® TC 42
					
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")	Ø 0-42mm (0-1.5/8")
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	210 x 100 x 25 mm
Weight:	370 g	220 g	740 g	950 g	447 g
Suitable for:	PP,PE,PEX, PB, PVDF, MSR	PP,PE,PEX, PB PVDF, MSR	PP,PE,PEX, PB PVDF, MSR	PP,PE,PEX, PB PVDF, MSR	PP,PE,PEX, PB PVDF, MSR
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	ROCUT® TC 50	ROCUT® TC 63	ROCUT® TC 75
			
Working range:	Ø 0-50 mm (0-2")	Ø 0-63 mm (0-2.1/2")	Ø 0-75 mm (0-3")
Dimensions:	260 x 120 x 25 mm	280 x 130 x 30 mm	480 x 165 x 35 mm
Weight:	600 g	700 g	1,740 g
Suitable for:	PP, PE, PEX, PB, PVDF, MSR	PP, PE, PEX, PB PVDF, MSR	PP, PE, PEX, PB PVDF, MSR
Page	**22, 23**	**22, 23**	**22, 23**

Pipe Saws

	ROTIGER VARIO ELECTRONIC	UNIVERSAL ROTIGER VARIO ELECTRONIC
		
Working range:	up to Ø 6"	–
Power:	1,500 Watt (230V, 110V)	1,600 Watt (230V), 1,300 Watt (110V)
Speed:	0 - 2,200 rpm	1,000 - 2,800 rpm
Weight:	4.3 kg	3.7 kg
Hub:	26 mm	26 mm
Dimensions:	491 x 94 x 108 mm	440 x 120 x 80 mm
Saw blade holder:	Universal, U-shaft, special pipe saw blades	Quick tensioning for universal saw blades
Extras:	Chain tensioning device up to Ø 6"	-
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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

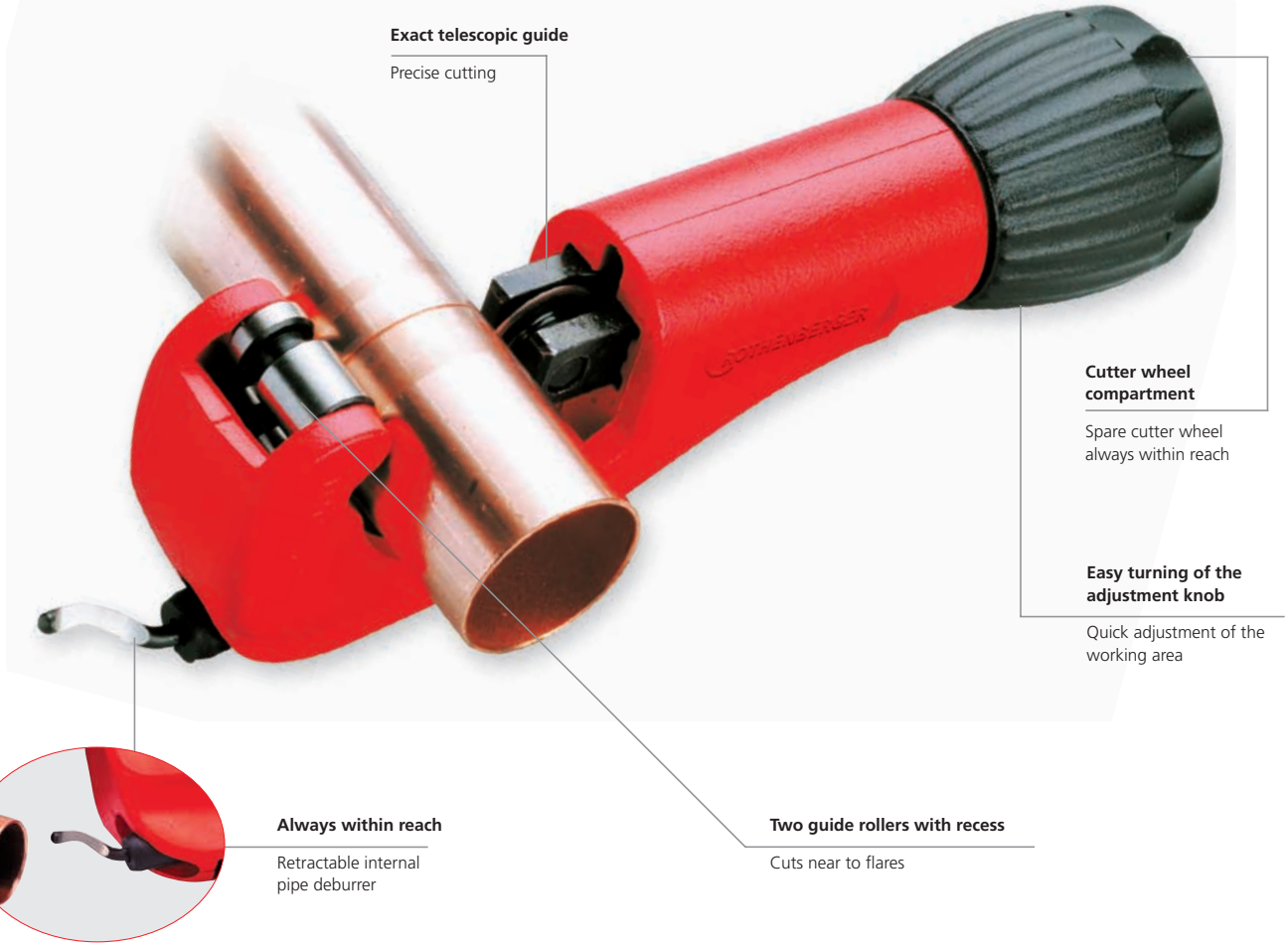
TC 35 MSR / TC 42 Pro MSR
PE-, PP-, PVDF-, plastic coated pipes, PVC hard plastic pipes TC 35 MSR Ø 6 - 35 mm / TC 42 Pro MSR Ø 6 - 42 mm

INOX TC 35 / INOX TC 42 Pro
Stainless steel pipes INOX TC 35 Ø 6 - 35 mm / INOX TC 42 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
- Robust and extremely stable

Metal casing with DURAMANT® coating: Robust and extremely stable!



For copper and aluminium



TC 35 (70027)
TC 42 PRO (70029)

For MSR-pipes



TC 35 MSR (70108)
TC 42 PRO MSR (70109)

For INOX (Stainless Steel)-pipes



INOX TC 35 (70055)
INOX TC 42 (70070)

For refrigeration technology



TC 35 C (070027C)

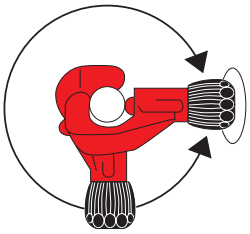
TUBE CUTTER 35 DURAMAG® Counter Display

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

100% magnesium body up to 30% lighter compared to previous model!



No. 1000002190



No. 1000002002



No. 070027DB

Scope of delivery (No. 1000002190): TUBE CUTTER 35, 6 - 35mm (No. 70027), Cutter wheel for TC 35, Cu-Ms-Al-Fe, 5pcs. (No. 070017D), ROBOX B2350 (No. 1500002641)

Scope of delivery (No. 1000002002): TUBE CUTTER 35, 6 - 35mm (70027), Internal & External Deburrer 6 - 35mm (No. 1500000237), Permanent-Marker Prepare to Press (No. 1500002640), ROBOX B2350 (No. 1500002641)

Scope of delivery (No. 1000002222): TUBE CUTTER TC 35 INOX, 6 - 35mm, 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	1	4	70027
TUBE CUTTER 35 + CUTTER WHEEL SET, ROBOX 5	6 - 35	1/4" - 1.3/8"	360	1	20	1000002190 *
Handtool Set Prepare to Press	6 - 35	1/4" - 1.3/8"	460	1	20	1000002002
TUBE CUTTER 35 DURAMAG® Display	6 - 35	1/4" - 1.3/8"	1,700	1	6	070027DB
TUBE CUTTER 35 C (for refrigeration)	6 - 35	1/4" - 1.3/8"	470	1	4	070027C
TUBE CUTTER 35 DURAMAG® MSR	6 - 35	1/4" - 1.3/8"	255	1	4	70108
INOX TUBE CUTTER 35 PRO DURAMAG® (Stainless steel)	6 - 35	1/4" - 1.3/8"	255	1	4	70055
INOX TUBE CUTTER 35 + CUTTER WHEEL SET, ROBOX 5	6 - 35	1/4" - 1.3/8"	500	1	20	1000002222
TUBE CUTTER 42 PRO (Cu, brass, thin-walled steel pipe)	6 - 42	1/4" - 1.5/8"	550	1	4	70029
TUBE CUTTER 42 PRO MSR	6 - 42	1/4" - 1.5/8"	550	1	4	70109
TUBE CUTTER 42 PRO PVC	6 - 42	1/4" - 1.5/8"	550	1	4	70072
INOX TUBE CUTTER 42 PRO (Stainless steel)	6 - 42	1/4" - 1.5/8"	550	1	4	70070

* ROBOX System p. 340

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	kg	No.
TUBE CUTTER 42 XL	0.5	1000001748
Spare cutter wheel (contains 5 pcs.)	0.02	070056D



1

ROTRAC 28 / 42

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



KEY FEATURES

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

Model	mm	inch	g	No.
ROTRAC 28	3 - 28	1/8 - 1.1/8"	220	70010
ROTRAC 42	6 - 42	1/4 - 1.5/8"	255	70011
Spare cutter wheel (3 pcs.) Cu, Al, brass			20	070007D
Spare axle			5	70080

MINICUT I PRO / II PRO

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

Ideal for maintenance and repair work!



KEY FEATURES

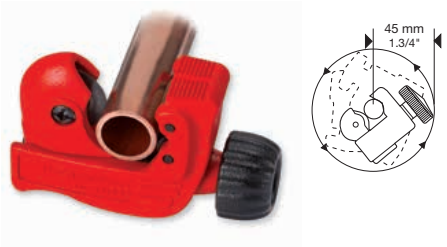
- For copper, brass, aluminium, thin-walled steel pipes
- Handy design with small working radius (38 mm and/or 1.1/2" I PRO/42 mm and/or 1.5/8" II PRO) allows use in hard-to-reach places
- Effortless pressure control with the large knurled knob and handy design
- Two guide rollers with recess for cuts near flares
- Monoblock design allows delivery precision

Model	mm	inch	g			No.
MINICUT I PRO	3 - 16	1/8 - 5/8"	115	1	4	70401
MINICUT II PRO	6 - 22	1/4 - 7/8"	125	1	4	70402
Spare cutter wheel			20	1(5)		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
- Handy 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 handy design
- Two guide rollers with recess for cuts near flares

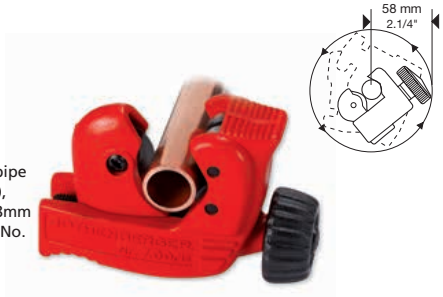
Model	mm	inch	g			No.
MINICUT 2000	6 - 22	1/4 - 7/8"	140	1	4	70105
Spare cutter wheel			20	1(5)		070017D
Spare axle			5	1		70041

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

Scope of delivery (No. 1000002191): Minicut I Pro pipe cutter, 3 - 16mm (No. 70401), MINI MAX pipe cutter, 3 - 28mm (No. 70015), ROBOX B2350 (No. 1500002641)



KEY FEATURES

- For copper, brass, aluminium, thin-walled steel pipes
- Handy 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 handy 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	1	4	70015
MINICUT I PRO + MINI MAX, ROBOX 5						1000002191*
Spare cutter wheel			20	1(5)		070017D
Spare axle			5	1		70041

* ROBOX System p. 340

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



Model	mm	inch	g			No.
TUBE CUTTER 30 PRO	3 - 30	1/8 -1.3/8"	305	1	4	71019
TUBE CUTTER 50	12 - 50	1/2 -2"	520	1	4	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



Model	mm	inch	g	No.
Sz. 1	6 - 67	1/4 - 2.5/8"	755	70030
Sz. 1 Spare deburring blade			5	21652
Sz. 1 Spare cutter wheel (5 Pcs.)			20	070017D
Sz. 2 Spare cutter wheel (2 Pcs.)			20	070057D
Sz. 2 Spare deburring blade			5	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
- Stable chain with 15 mini cutter wheels, two-step adjustment, chrome plated with plastic covered handles

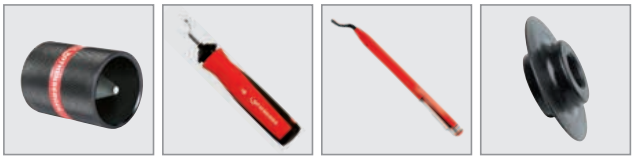




Model	mm	inch	g	No.
Chain pipe cutter	20 - 100	1 - 4"	575	70285
Spare cutter wheel chain			180	70286

ACCESSORIES

Model		No.
Internal / External deburrer, Ø 6 - 35 mm	31	1500000237
Internal / External deburrer, Ø 10 - 54 mm	31	1500000236
GRATFIX	32	21655
UNIGRAT	32	21660
Spare cutter wheels	21	

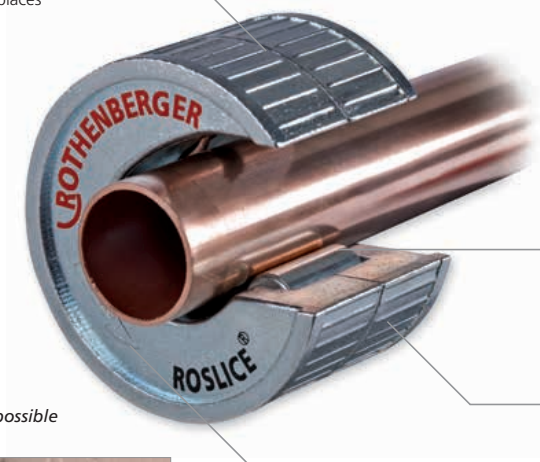


1 ROSLICE®

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

Ergonomic form

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



Self-clamping and self-alignment

Prevents the deformation of the pipe

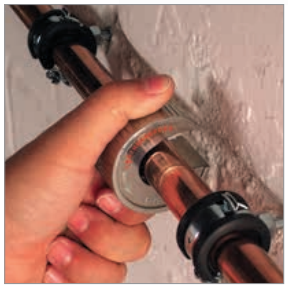
Non-slip surface

Reliable grip

Indicates rotating direction

Quick cutting with just a few turns

Pipe cutting possible near the wall



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	1	240	88812
ROSLICE®	15 mm	1	230	88815
ROSLICE®	18 mm	1	260	88818
ROSLICE®	22 mm	1	250	88822
Spare cutter wheel	1/2", 12 mm	5	36.3	088840D
Spare cutter wheel	5/8"-7/8", 15-22 mm	5	34.6	088841D
Spare cutter wheel	1/2"-3/4", 18 mm	5	37.4	088842D

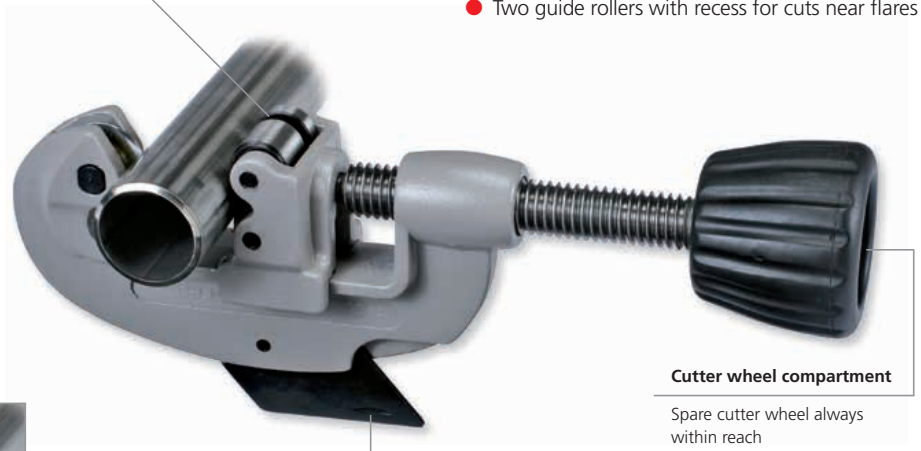
INOX TUBE CUTTER 30 PRO

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

INOX

2 guide rollers with recess

Cut near flares



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.
INOX TC 30 PRO	3 - 30	1/8 - 1.1/8"	305	4	71085
Spare cutter wheel (5 pcs.)			20	1(5)	070056D
Spare axle			5		70041

INOX TUBE CUTTER

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.
INOX TUBE CUTTER	6 - 60	1/4 - 2.3/8"	305	4	70340
INOX TUBE CUTTER + CUTTER WHEEL SET, ROBOX 5			1		1000002192*
Spare cutter wheel			20	1(2)	70341

* ROBOX System p. 340



INOX TUBE CUTTER 35 / 42 PRO

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 rollers
- Stainless steel guide rolls, cuts near flares possible
- Optimum use in tight places
- Quick adjustment of the working area
- Retractable pipe internal deburrer
- Robust and extremely stable

Model	mm	inch	g	No.
INOX TC 35	6 - 35	1/4 - 1.3/8"	440	70055
INOX TUBE CUTTER + Cutter wheel set, ROBOX 5				1000002222*
INOX TC 42 PRO	6 - 42	1/4 - 1.5/8"	510	70070

* ROBOX System p. 340

Scope of delivery (No. 1000002222): 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	g	No.
Spare cutter wheel (5 pcs.)	20	070056D
Spare deburring blade	10	21652

TUBE CUTTER CSST

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

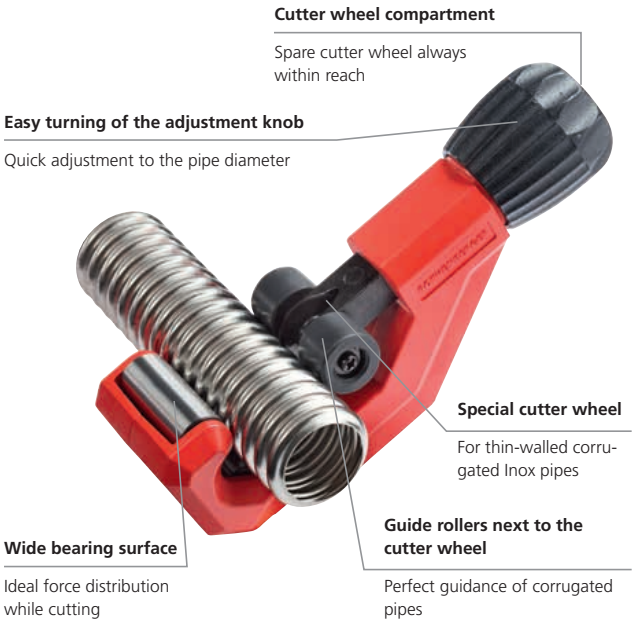
KEY FEATURES

- 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	1000001747
Cutter wheel CSST pipe (contains 5 pcs.)		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 alloy 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”	7105	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/INOX SUPER)

- 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

INOX SUPER 1.1/4” and 2”

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

KEY FEATURES (SUPER/INOX SUPER)

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

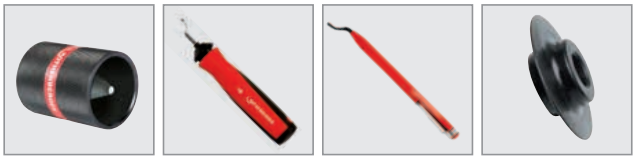
INOX

Precise cutting of stainless steel pipes



Model	mm	inch	g	No.
INOX SUPER 1.1/4”	10 - 42	1/8 - 1.1/4”	1,040	70086
INOX SUPER 2”	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

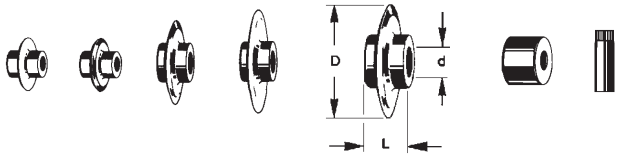
ACCESSORIES



Model		No.
Internal / External deburrer, Ø 6 - 35 mm	31	1500000237
Internal / External deburrer, Ø 10 - 54 mm	31	1500000236
GRATFIX	32	21655
UNIGRAT	32	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	5 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	6 - 22 mm	70105	070017D	4.8 / 5.90 / 18.5	5	3.0	70041	4.7 / 14 / M3	-	-	
MINIMAX	3 - 28 mm	70015	070017D	4.8 / 5.90 / 18.5	5	3.0	70041	4.7 / 14 / M3	-	-	
TUBE CUTTER 30 PRO	3 - 30 mm	71019	070017D	4.8 / 5.90 / 18.5	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	5 5	3.0 3.0	70041 70041	4.7 / 14 / M3 4.7 / 14 / M3	70067 70067	21652 21652	
TUBE CUTTER 35 MSR TUBE CUTTER 42 PRO MSR	6 - 35 mm 6 - 42 mm	70108 70109	070188D 070188D	4.8 / 5.90 / 19.3 4.8 / 5.90 / 19.3	5 5	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	5	3.0	70006	4.7 / 16 / M4	-	-	Multi-layered composite pipe
AUTOMATIK Size 1 Pipe Cutter	6 - 67 mm	70030	070017D	4.8 / 5.90 / 18.5	5	3.0	70042	4.7 / 16 / M4	-	21652	Cu, Ms, Al, Fe thin-walled
		70031	070028D	4.8 / 5.90 / 23.6	3	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	2	7.0	751004200	7.9 /23.5/1/4"	-	21652	thin-walled Cu, Ms, Al, Fe
		70032	055054D	8.0 / 13.0 / 40.0	3	13.0	751004200	7.9 /23.5/1/4"	-	21652	PE-, PP- VPE, PB- and PVDF pipes
			055053D	8.0 / 13.0 / 30.5	2	8.0	751004200	7.9 /23.5/1/4"	-	21652	thin-walled PP pipes
			055074D	8.0 / 11.0 / 45.0	2	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	2	16.0	751004200	7.9 /23.5/1/4"	-	21652	PE-, PP- VPE, PB- and PVDF pipes
			055053D	8.0 / 11.0 / 30.5	2	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	3 3	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	3	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	3 3	5.5 6.0	70048 70053	7.4 / 30 / - 8.9 / 35 / -	70047 70052	- -	Steel pipe Steel pipe
Steel Pipe Cutter ENORM	2" - 4"	70060	070061D	9.7 / 20.0 / 41.0	2	8.0	70064	9.4 / 52 / -	70063	-	Steel pipe
INOX TUBE CUTTER 30 PRO	3 - 30 mm	71085	070056D	4.8 / 5.9 / 18.5	5	5.5	70041	4.7 / 14 / M3	70068	-	Stainless steel pipe
INOX TUBE CUTTER	10 - 54 mm	70340	70341	5.0 / 21.0 / 30.0	2	3.5	70041	4.7 / 14 / M3	70068	21652	Stainless steel pipe
INOX TUBE CUTTER 35 INOX TUBE CUTTER 42 PRO	6 - 35 mm 6 - 42 mm	70055 70070	070056D 070056D	4.8 / 5.90 / 18.5 4.8 / 5.90 / 18.5	5 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
INOX SUPER	1/8" - 1.1/4" 1/8" - 2"	70086 70087	070088D 070089D	4.8 / 5.90 / 19.3 9.0 / 19.0 / 31.5	2 2	4.0 7.0	70048 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 the highest quality requirements. Knife blades deliver clean and straight cuts on pipe diameters up to 75 mm and especially for all the current plastic types used in installations. The aluminium construction guarantees precise operation and long professional service use.

Product Profile

APPLICATION AREA

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

KEY FEATURES

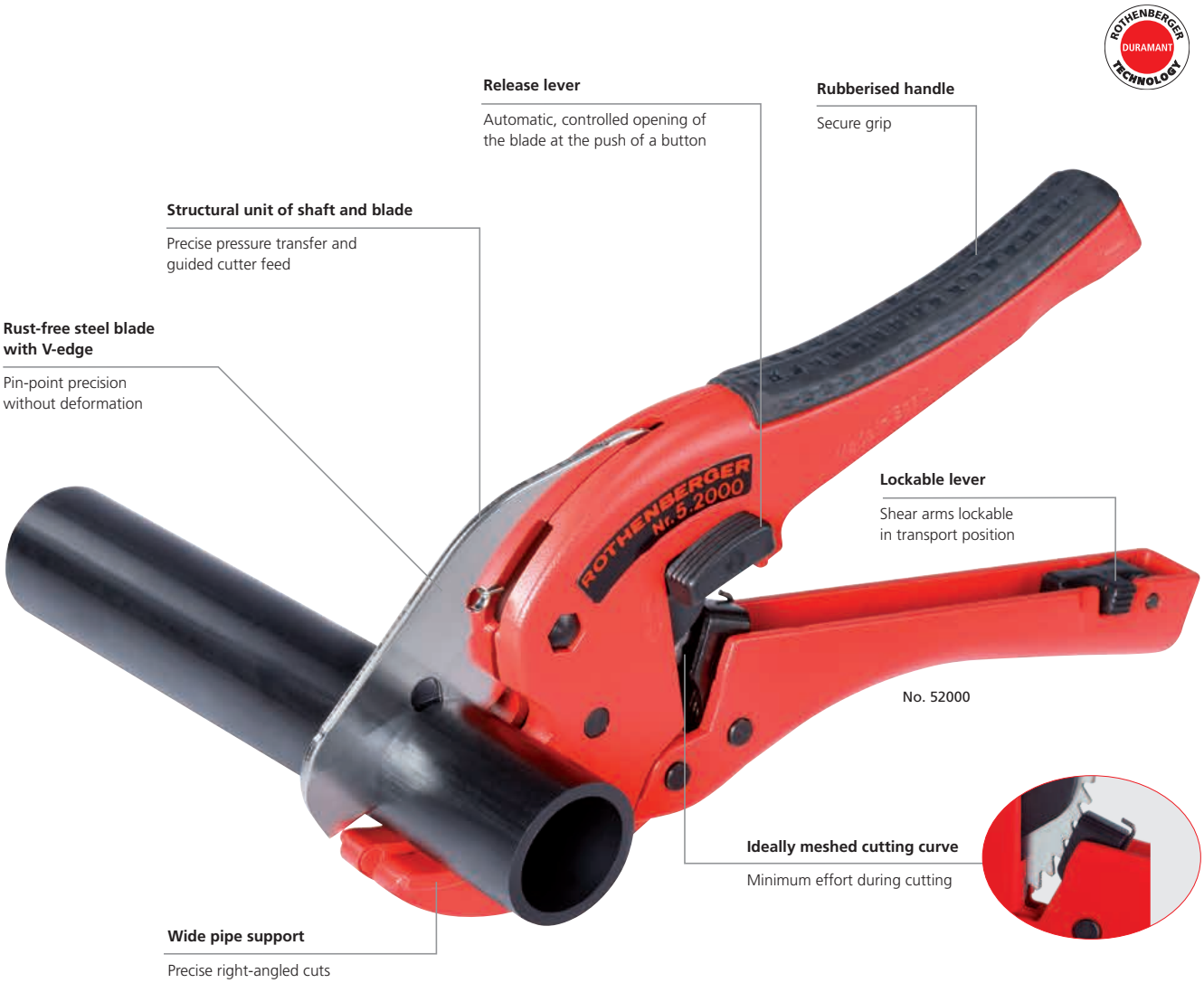
- Minimum effort during cutting
- Precise right-angled cuts
- Pin-point precision without deformation
- Precise pressure transfer and guided cutter feed
- Automatic, controlled opening of the blade at the push of a button

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



Scope of delivery (No. 1000002193): ROCUT TC 42, 0 - 42mm (52000), ROBOX B2650 (1500002763)

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 MSR)



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	1	4	52005
ROCUT® TC 32	0 - 32	0 - 1.1/4"	220	1	4	52040
ROCUT® PS 35	6 - 35	1/4 - 1.3/8"	740	1	20	55005
ROCUT® PS 26 / 42 S adjustable	6 - 42	1/4 - 1.5/8"	950			55015
ROCUT® TC 42 Professional	0 - 42	0 - 1.5/8"	447	1	4	52000
ROCUT® TC 42 Professional, ROBOX 5	0 - 42	0 - 1.5/8"	590	1	12	1000002193 *
ROCUT® TC 50 Professional	0 - 50	0 - 2"	600	1	4	52010
ROCUT® TC 63 Professional	0 - 63	0 - 2.1/2"	700	1		52030
ROCUT® TC 75 Professional	0 - 75	0 - 3"	1,600	1		52015

* ROBOX System p. 340

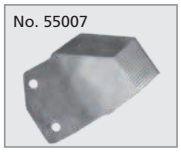
ACCESSORIES



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	1	52016

1 TUBE CUTTER 67 / 125 / 168 PL Automatic

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

Product Profile

APPLICATION AREA

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

KEY FEATURES

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

TECHNICAL DATA

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



No. 70033



No. 070031D

Removable internal pipe deburrer





Model	mm	inch	Cutting-depth	kg		No.
TC 67 PL	6 - 67	1/4 - 2.5/8"	7.0	0.7	1	**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**
Counter display TC 67 PL					1 (4)	**070031D**

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 and can be used everywhere
- Simple and precise use
- Saves huge amounts of time in comparison to conventional use of a blade

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

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

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

Product Profile

APPLICATION AREA

TUBE CUTTER 35 MSR and 42 PRO MSR 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, integrated, retractable internal pipe deburrer
- Spare cutter wheel in the handle

TECHNICAL DATA

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



Model	mm	inch	g			No.
TC 35 MSR	6 - 35	1/4 - 1.3/8"	440	1	10	**70108**
Spare cutter wheel TC 35/42 MSR			19	1	5	**070188D**

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

PLASTICUT PVC

For quick, clean and right angled cuts on PVC pipes

KEY FEATURES

- Fast Cut: Quick cutting with just a few turns
- Flexible casing, allows cutting on smaller diameters
- Less space required, ideal for hard-to-reach places
- No deformation of the pipe: self-clamping and self-alignment
- Readjustment not necessary

• No deformation of the pipe!
• No fraying of the cut edge!
• Chipless pipe cutting!

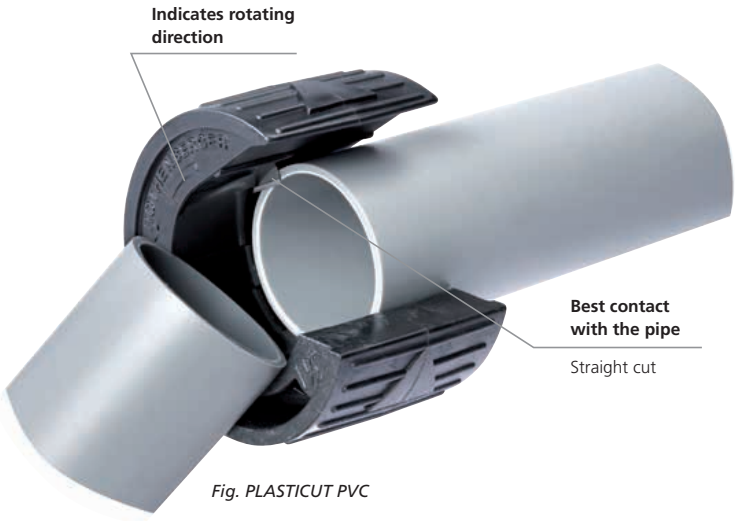


Fig. PLASTICUT PVC

Model	mm	No.
PLASTICUT PVC	32 mm	**59035**
PLASTICUT PVC	40 mm	**59042**
PLASTICUT PVC	50 mm	**59050**
Spare blade plastic type A (3 pcs.)		
10 mm, 15 mm, 20 mm, 22 mm, 32 mm, 40 mm, 50 mm		**59000**
PLASTICUT Plus, MSR	16 mm	**88716**
PLASTICUT Plus, MSR	20 mm	**88720**
PLASTICUT Plus, MSR	26 mm	**88726**
PLASTICUT Plus, MSR	32 mm	**88732**
PLASTICUT Plus Set, MSR	16 - 20 - 25/26 mm	**88700**
PLASTICUT Plus Set, MSR	16 + 20 mm	**88701**
Cutter wheel PLASTICUT Plus MSR	16 - 32 mm	**88777**

Instructions:
Click PLASTICUT on the pipe, gently press closed and then turn PLASTICUT around the pipe (please pay attention to the direction of rotation!).



1

ROBO Super

Safety saw frame

- Reduces accidents: 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

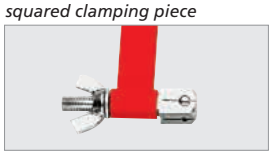


Model	Clamping width mm	g	No.
ROBO Mini including UNIVERSAL saw blade (No. 71217)	150	160	71222

Metal Saw Frame

- Solid design, massive, stable holder
- With cross-slotted squared clamping elements
- Reliable captive blade holding pin
- Firm wooden handle

Cross-slotted squared clamping piece





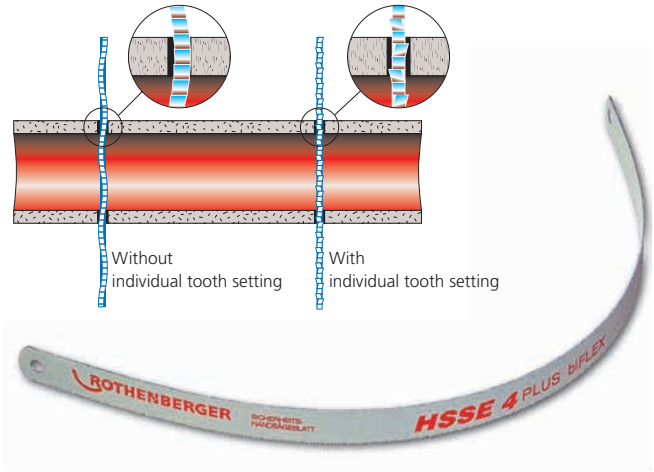
Model	Clamping width mm	g	No.
Metal saw frame without saw blade	300	530	300013

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 ZpZ)	20	71217
Saw blade for wood	150 (14 ZpZ)	20	71216



At ROTHENBERGER hand saw blades with single offset teeth cuts free the hand saw blade optimally. 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	1	100	71213

PORTACUT 185 BSR / PORTACUT 185 BSP

Light, precise building-site and workshop band saw up to Ø 180 mm

KEY FEATURES

- For quick and precise angled cutting of steel pipes, plastic pipes, profiles and solid materials
- **High torque** with the 420 W induction motor
- **Safer work** with the automatic shut-off and overload protection
- **Preserves saw blade life** with the 4-way adjustable cutting pressure

PORTACUT 185 BSR

- With safety chain quick-grip system

PORTACUT 185 BSP

- With parallel vice for clean, exact cuts and mitred cuts up to 45°

Cutting power	Straight Cuts		45° Cuts	
Machine Type	O mm	□ mm	O mm	□ mm
185 BSR	180	150	–	–
185 BSP	180	150	85	75

Scope of delivery: PORTACUT 185 BSR and/or BSP, 2 band saw blades HSS Bi-Metal 14 TPI (No. 56605)

Model	kg	230 V	110 V
PORTACUT 185 BSR	43	56710	56717
PORTACUT 185 BSP	49	56711	56718



Fig. PORTACUT 185 BSR



Fig. PORTACUT 185 BSP

Band Saw Blades for PORTACUT 185 BSR / BSP

Dimensions mm	TPI	Material		for pipes and profiles Steel	INOX	g	No.
1,640 x 13 x 0.65	8	SS	starting from	10.0 mm	-	100	56602
1,640 x 13 x 0.65	10	SS	starting from	8.0 mm	-	100	56603
1,640 x 13 x 0.65	14	SS	starting from	6.1 mm	-	100	56604
1,640 x 13 x 0.65	14	Bimetal	starting from	6.1 mm	from 2.0 mm	100	56605
1,640 x 13 x 0.65	24	SS	up to	3.6 mm	to 1.6 mm	100	56607
1,640 x 13 x 0.65	18	Bimetal	up to	3.6 mm	to 1.6 mm	100	56608



TRENNBOY 300

Pipe cutter up to Ø 300 mm

For cutting of SML cast iron /steel pipes up to Ø 300 mm, profiles / solids up to Ø 70 mm. For use with market-standard angle grinders and cut-off wheels Ø 230 mm.

KEY FEATURES

- For quick, precise, right-angled cutting
- Basic model with right and left telescopic extension
- Extendable to a total support length of 1,680 mm
- Mountable as desired with "C" clamp
- Easy mounting of the angle grinder with the toggle screw

Model	kg	No.
TRENNBOY 300 (without angle grinder)	13.5	58520
Double telescoping extension rail, r. (300 mm)	1.9	58527
Double telescoping extension rail, l. (300 mm	1.9	58528
"C"clamp	0.4	58529



TRENNBOY 300 (No. 58520) with double telescoping extension rail, right (No. 58527) and left (No. 58528), "C" Clamp (No. 58529) Angle grinder and cut-off wheel (not included in delivery)

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

1

ROTIGER VARIO Electronic

Pipe saw

Powerful and quick cutting universal saw for the professional use during installation, demolition and repair work.

Product Profile

KEY FEATURES

- The special chain tensioning device enables precise 90° cuts on all types of pipe
- Ideal for free-handed cutting of wood (even with nails), steel, stainless steel, cast iron, steel plate, metal pipes and profiles, plastic and building materials
- Flush to wall cutting in confided spaces, such as in shafts or when working overhead

TECHNICAL DATA

Performance:	1,500 W
Speed:	0 - 2,200 rpm (adjustable per wheel)
Weight:	4.3 kg
Distance:	26 mm
Dimensions:	491 x 94 x 108 mm
Cutting blade attachment:	Universal, U-shaft, special pipe saw blades



Speed thumbwheel
Simple speed adjustment for various applications

Double insulation
Better protection against moisture

Robust universal saw blade attachment
For universal, U-shaft and special saw blades

Chain tensioning device attachment
Very robust, casted in housing



Fig. Tension device 2 in 1 (No. 50312)



Fig. Chain tensioning device (No. 50311)

Chain tensioning device
Enables precise 90° cuts



Carbon brush
Simple exchange with the exterior screw joint

Supporting shoes
Reliable guidance of the saw

L- and U-Shaft attachments



Precise 90° cuts



Set (No. 50305/50306) includes: ROTIGER VARIO Electronic, chain tensioning device, 5 x HSS Bimetal saw blades

Model	kg	230 V	110 V
ROTIGER VARIO Electronic	7.0	50306	50305
Chain tensioning device up to 6"			50311
Tensioning device 2 in 1			50312
(Chain tensioning device up to 6" + collet chucks up to 2")			



Fig. ROTIGER VARIO Electronic

Universal ROTIGER VARIO Electronic

Universal electronic saw

Universal electric saw for the sanitary and heating technology professional for installations or repair work

Product Profile

KEY FEATURES

- POWER FEED SYSTEM for a consistent cutting speed (while idling as well as during use), less wear of the saw blades and longer motor life
- Ideal for free-hand cutting of wood (also with nails), steel, stainless steel, cast iron, steel plate
- With the continuously adjustable speed regulation, it is perfect for use with all materials

TECHNICAL DATA

Performance:	1,600 W with 230 V / 1,300 W with 110 V
Speed:	1,000 - 2,800 rpm (adjustable with wheel)
Weight:	3.7 kg
Distance:	26 mm
Dimensions:	440 x 120 x 80 mm
Saw blade attachment:	Quick tensioning for universal saw blades



Universal-shaft attachment



Working in confined spaces



Set (No. 50301/50302 includes: Universal ROTIGER VARIO Electronic, 5 x HSS Bimetal saw blades

Model	kg	230 V	110 V
UNIVERSAL ROTIGER VARIO Electronic	7.0	**50301**	**50302**



Fig. Universal ROTIGER VARIO Electronic

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

1 UNIVERSAL HSS Bimetal / TCT TIGER SAW BLADES

For 1/2" universal seating, also suitable for Flex, Bosch, B&D, Skil, Hitachi, Makita, Ridgid, Roller, Rems!

Cuttable materials	material	L x B x thickness mm	TPI		reference	*	No.	
	HSS Bimetal	100 x 20 x 0.9	24	L	S 522 AF	1 (5)	865783	
	HSS Bimetal	150 x 20 x 0.9	24	L	S 922 AF	1 (5)	865784	
	HSS Bimetal	150 x 20 x 0.9	18	L	S 922 EF	1 (5)	865785	
	HSS Bimetal	150 x 20 x 0.9	14	L	S 922 BF	1 (5)	865786	
	HSS Bimetal	200 x 20 x 0.9	18	L	S 1022 EF	1 (5)	865787	
	HSS Bimetal	200 x 20 x 0.9	14	L	S 1022 BF	1 (5)	865788	
PVC	HSS Bimetal	300 x 20 x 0.9	10 - 14	L	S 1222 VF	1 (5)	865789	
PVC	HSS Bimetal	150 x 20 x 1.25	6	L	S 611 DF	1 (5)	865781	
PVC	HSS Bimetal	300 x 20 x 1.25	6	L	S 1411 DF	1 (5)	865782	
	HSS Bimetal	150 x 22 x 1.6	8 - 10	L	S 920 CF	1 (5)	865790	
	HSS Bimetal	200 x 22 x 1.6	8 - 10	L	S 1120 CF	1 (5)	865791	
	TCT coated	225 x 20 x 1.5	30er grain	L	S 1130 RF	1 (5)	865793	

HSS Bimetal

Special saw blades with U-shaft

Suitable ROTHENBERGER-ROTIGER VARIO for quick and exact, right-angle sawing of steel pipes up to 4" with chain pipe clamp (absolutely necessary)

Cuttable materials	material	L x B x thickness mm	TPI		reference	*	No.	
	HSS Bimetal	140 x 25 x 1.6	8	U	S 920 CF	1 (5)	865795	
	HSS Bimetal	200 x 25 x 1.6	8	U	S 1120 CF	1 (5)	865796	
PVC	HSS Bimetal	150 x 25 x 1.0	10 - 14	U		1 (5)	865798	
PVC	HSS Bimetal	200 x 25 x 1.0	10 - 14	U		1 (5)	865799	

***5 pcs.** in plastic carrying case (minimum purchase)

Special Pipe Saw Blades

For exact, right-angle sawing with chain pipe clamp (absolutely necessary), extra strong and warp resistant guidance for straight cuts and long operational life

Cuttable materials	material	L x B x thickness mm	TPI			No.	
	HSS	140 x 25 x 1.6	8	L	1	50260	
	HSS	200 x 25 x 1.6	8	L	1	50261	
	HSS	290 x 25 x 1.6	6 - 8	L	1	50263	
	HSS-E	140 x 25 x 1.6	14	L	1	50264	
	HSS-E	200 x 25 x 1.6	8	L	1	50265	
	HSS	200 x 25 x 1.6	6 - 8	L	1	50266	

Universal Internal & 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	1	25	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 speeds! Max 800 r.p.m.

Product Profile

KEY FEATURES

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



No. 11044



No. 11045

Drive shaft

For the deburring with portable screwdriver or drill





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 slippage out of the hand
- One-handed use with the retractable locking head
- Offset surfaces provide a good torque
- Pluggable handle ends for the storage of associated blades



Nr. 1 (No. 21652)



Nr. 2 (No. 21653)



Nr. 3 (No. 21654)



UNIGRAT (No. 21660)



GRATFIX HSS (No. 21655)

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

Model	g	No.
HSS deburring blade No. 1 Universal	10	21652
HSS deburring blade No. 2 for brass and cast	10	21653
HSS deburring blade No. 3 for straight edges	10	21654

Plastic Pipe Chamfering Unit

With replaceable blades Ø 16 - 160 mm

For 15° outer chamfers on plastic pipe



No. 55051



KEY FEATURES

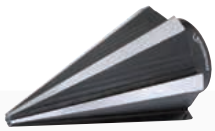
- Flexible in use
- Wall thickness is continuously adjustable

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

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)

Quick adjustment

Handy, lockable reversal of the ratchet direction



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

ROGRAT-MSR Deburrer and Chamfering Tool

For internal and external deburring, chamfering, calibrating and custom milling of PE-X and aluminium multi-layer (MSR) pipes Ø 32 mm

KEY FEATURES

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

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





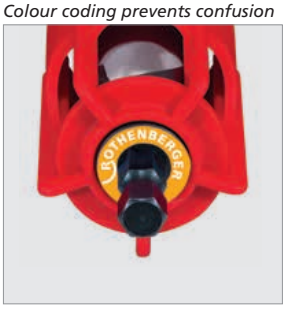
Fig. ROGRAT-MSR Deburrer Set

ROGRAT - MSR System - Manual Chamfering Attachments

ROGRAT-Type	Press-System	Pipe measurement mm	Colour-code	g	No.
G 16		16.0 x 2.25	●	53	14102
G 20	GEBERIT Mepla	20.0 x 2.50	●	93	14104
G 26		26.0 x 3.00	●	108	14106
G 32		32.0 x 3.00	●	162	14107
U 14		14.0 x 2.00	●	51	14111
U 16		16.0 x 2.00	●	53	14112
U 18	UNIPIPE/TIGRIS-S	18.0 x 2.00	●	58	14113
U 25		25.0 x 2.50	●	108	14115
U 32		32.0 x 3.00	●	162	14117
TH 14		14.0 x 2.00	●	51	14121
TH 16	Henco / MHS	16.0 x 2.00	●	53	14122
TH 18	Giacomini	18.0 x 2.00	●	58	14123
TH 20		20.0 x 2.00	●	93	14124
TH 26		26.0 x 3.00	●	108	14126
F 16-1		16.0 x 2.00	●	53	14132
F 18	Fränkische Rohrwerke	18.0 x 2.00	●	58	14133
F 20-1	alpex-therm	20.0 x 2.00	●	93	14134
F 26	alpex-san	26.0 x 3.00	●	108	14136
F 32		32.0 x 3.00	●	162	14137

● black ● brown ● violet ● yellow

Colour coding prevents confusion



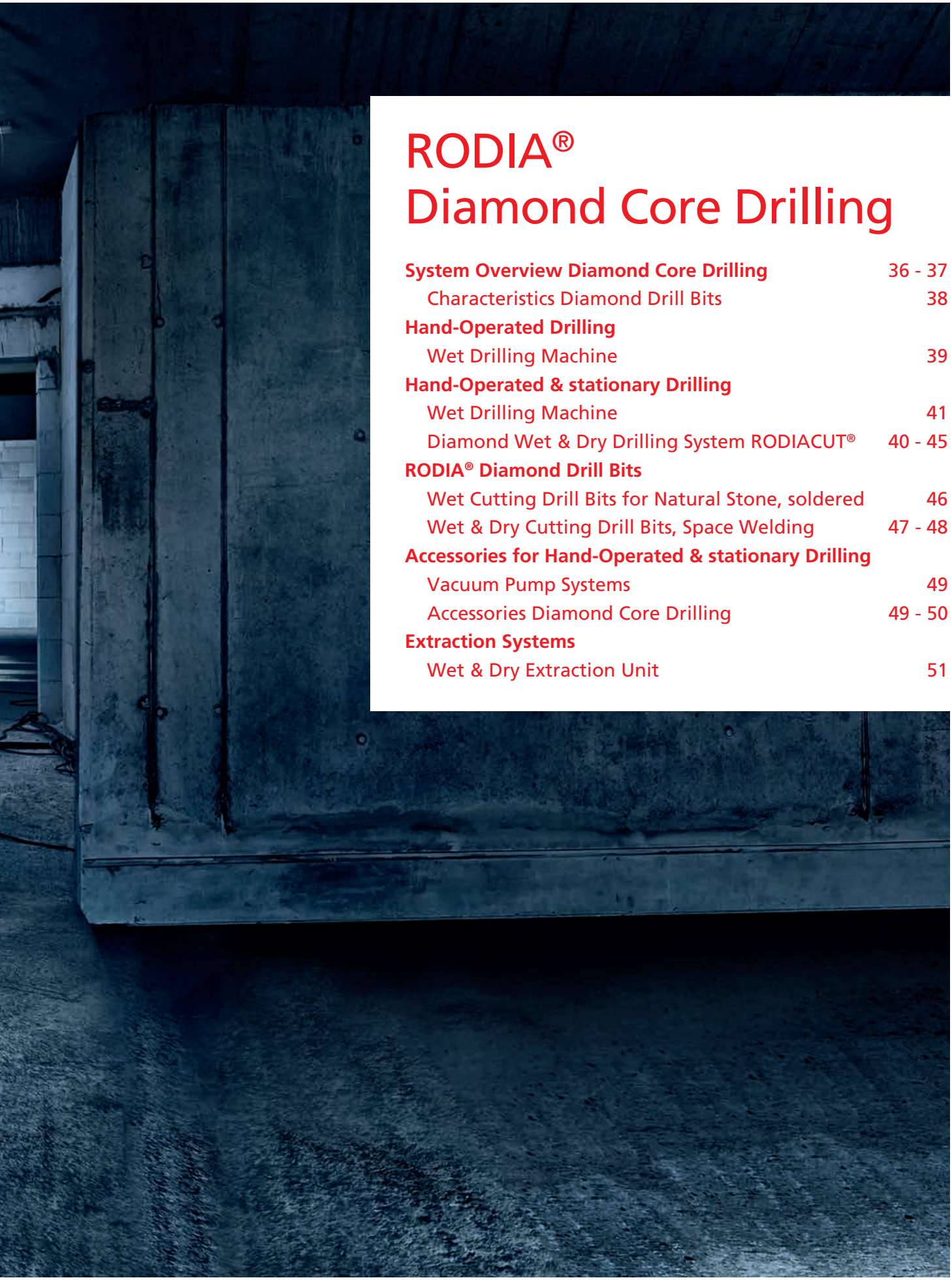
System optimised chamfer



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

Model		For size mm	g	No.
G	Geberit Mepla	16 - 20 - 26	760	14260
U	Unicor/Unipipe	16 - 20 - 25	760	14270
TH	Henco/HMS	16 - 20 - 26	760	14250
F	Fränk. Rohrwerke	16 - 20 - 26	760	14230
Basic handle			250	14000
System carrying case			250	14005


ROTHENBERGER
ROTHENBERGER



RODIA®
Diamond Core Drilling

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RODIA® Diamond Core Drilling

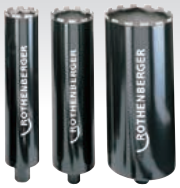
System Overview

2

Hand-Operated-Drilling

	RODIADRILL Ceramic	RODIADRILL 160	RODIADRILL 200	RODIACUT® 150, RODIADRILL 160
				
	Hand-Operated	Hand-Operated	Hand-Operated	Hand-Operated / Stationary
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 watts	1,400 watts	2,400 watts	1,400 watts
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	**39**	**40, 41**	**40, 41**	**40, 41**

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 & dry	wet & dry
Tiles:	♁♁♁	♁	♁♁
Granite:	♁♁♁	♁	♁♁
Marble:	♁♁♁	♁	♁♁
Brick:	♁♁	♁♁♁**	♁♁♁**
Masonry:	♁	♁♁♁**	♁♁**
Lime-sand brick:	♁	♁♁♁**	♁♁**
Asphalt:	♁♁	♁♁♁**	♁♁♁**
Screed:	♁♁	♁♁♁	♁♁
Concrete:	♁♁♁	♁♁♁	♁♁
Reinforced concrete:	♁♁♁	♁♁	♁♁♁
Page	**46**	**47**	**48**

* 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 watts	2,400 watts	3,000 watts	3,000 watts
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	**40, 41**	**42, 43**	**42, 43**	**44, 45**

* Drilling range with distance plate expandable to 500 mm

2

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

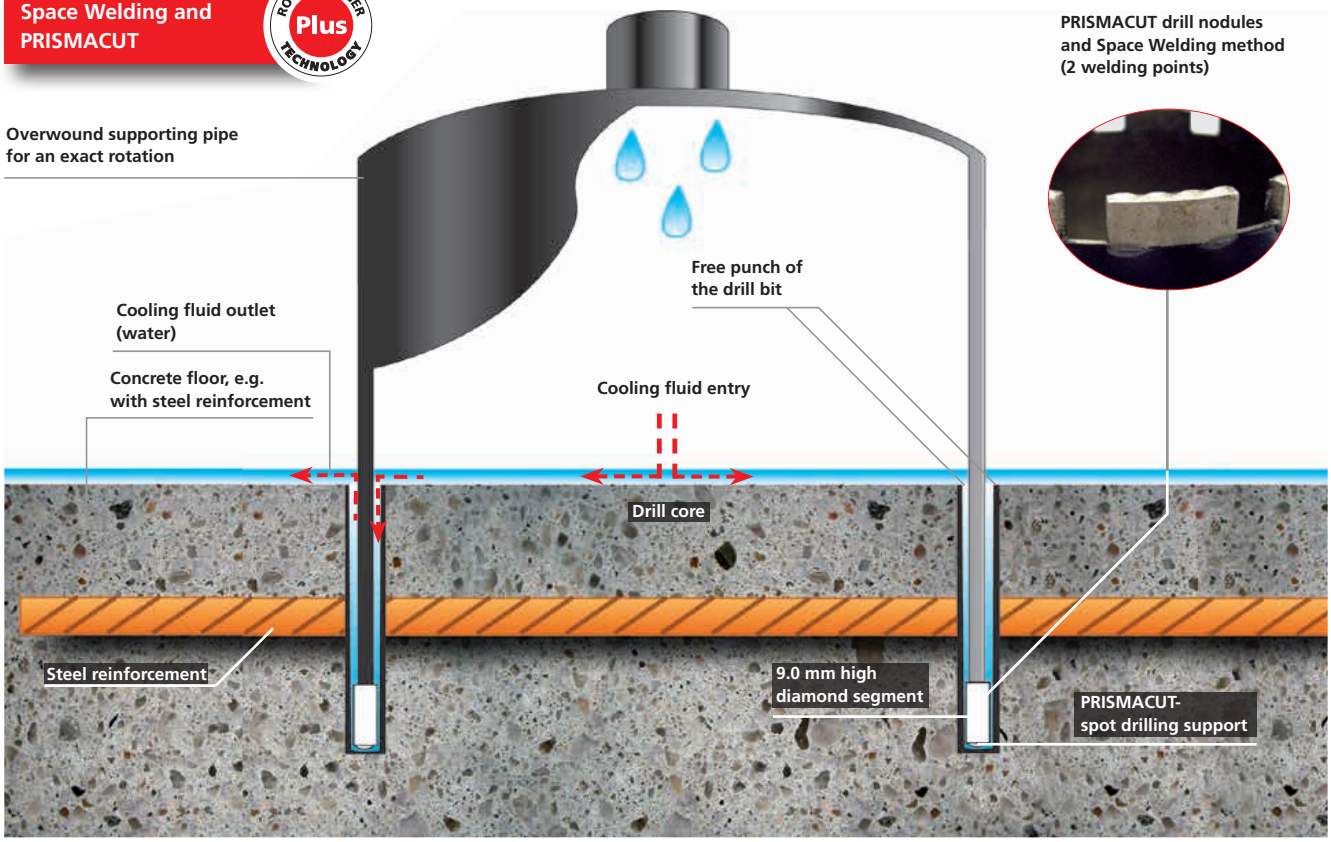
PRISMACUT

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 Ø 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.

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 light weight
- 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

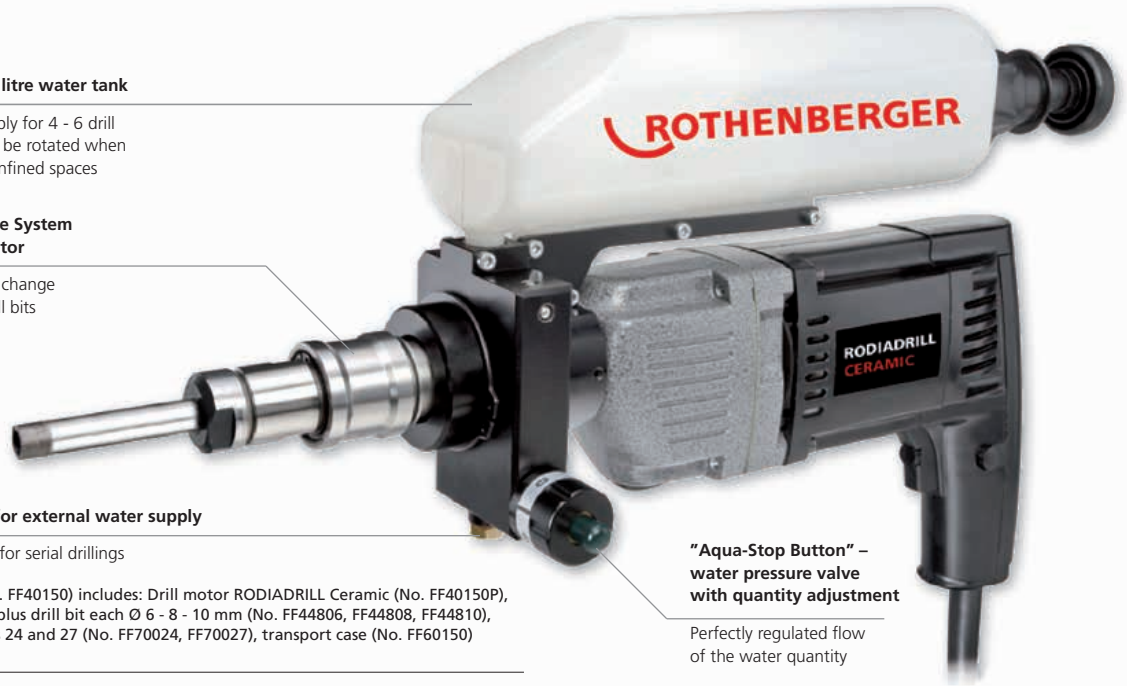
2-speed transmission:	1. Gear speed	2. Gear speed
Nominal speed:	3,600 rpm	6,400 rpm
Drilling range in mm:	Ø 25 - 67	Ø 6 - 25
Voltage:	230 V	
Power input/output:	1,150 watts / 800 watts	
Charging rate:	3.6 A	
Maximum drilling depth:	400 mm (depending on material)	
Minimum distance to wall:	30 mm from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

7-part set (No. FF40150) includes: Drill motor RODIADRILL Ceramic (No. FF40150P), 1 high speed plus drill bit each Ø 6 - 8 - 10 mm (No. FF44806, FF44808, FF44810), spanners sizes 24 and 27 (No. FF70024, FF70027), transport case (No. FF60150)

Model	kg	No.
RODIADRILL Ceramic Set	3.4	FF40150

ACCESSORIES



Model	No.	Model	No.
Freehand drill support up to Ø 83 mm	FF35750	Water supply hose with "aqua-stop"	FF35302
Quick change adaptor	FF35751	HSP Nature stone drill bits	46
Pressurized water container 10 l	FF35026	Water collection ring, stationary	FF35700
Special water supply hose	FF35301	Transport case RODIADRILL Ceramic ECO	FF60150

[1] Complete terms and conditions at www.rothenberger.com/service. 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:	w/o water collection ring max. Ø 152 mm with water collection ring max. Ø 132 mm
Drill motor adaptor:	Ø 60 mm
L x W x H:	280 x 440 x 810 mm
Hub:	480 mm
Weight:	9.7 kg

3 Applications with just one unit



RODIACUT® 150 / RODIADRILL 200

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

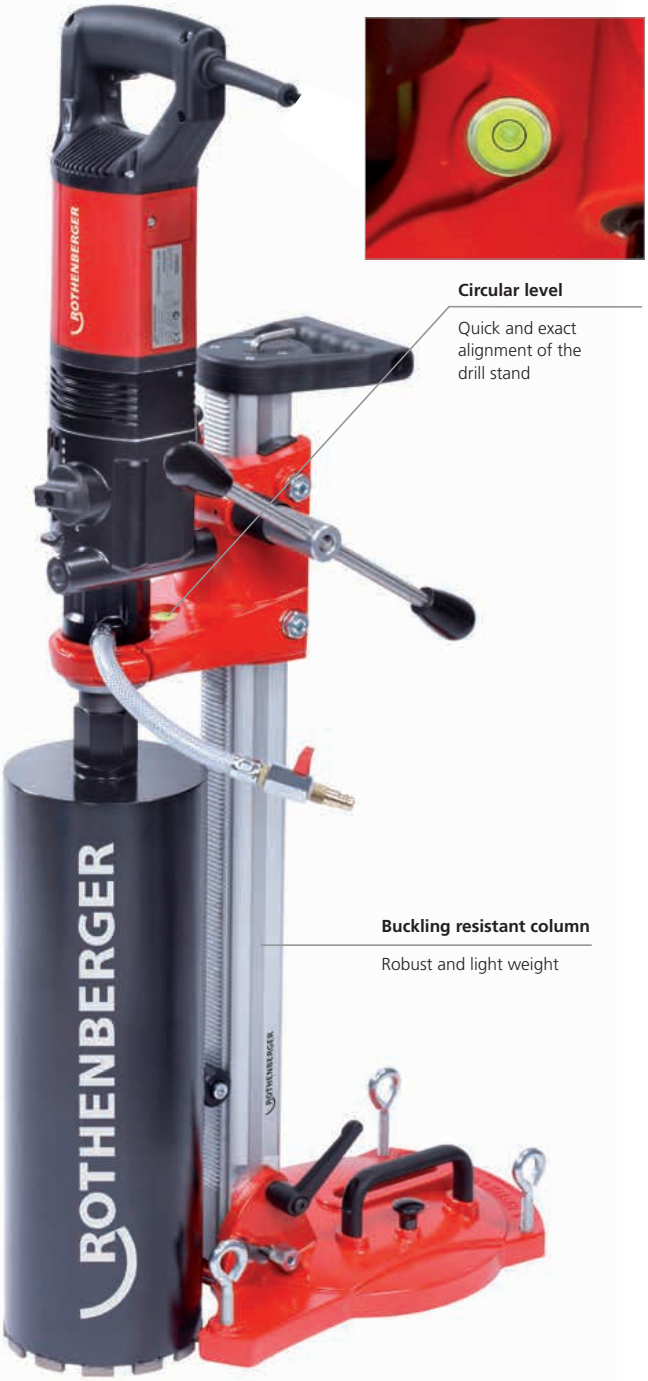
Product Profile

APPLICATION AREA

RODIADRILL 200:

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

3 Applications with just one unit



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 watts / 1,400 watts	
2-speed-transmission:	1. Gear	2. Gear
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 watts / 2,400 watts		
3-speed transmission:	1. Gear	2.Gear	3. Gear
Torque:	71 Nm	34 Nm	17 Nm
Clamping neck:	Ø 60 mm		



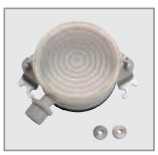
Scope of delivery (No. FF34150): (No. FF30150) Drill stand RODIACUT® 150 (No. FF40165) Drill motor RODIADRILL 160, (No. FF70001) tool bag, (No. FF70019N) Allen key SW19 DIN895 (No. FF70024) Allen key SW24 DIN894 (No. FF70036) Allen key SW36 DIN894 (No. FF70041) Allen key SW41 DIN894 (No. FF35120) Concrete Fixing Set, (No. FF35302) Water supply hose + Adapt. f. Gardena coupling, (No. 111429) Hammer drill SDS Plus, 15x160mm, (No. FF35190) Copper ring 1.1/4", (No. 1300002467) Instruction manual Drill stand RODIACUT® 150-250, (No. 1300002468) Instruction manual RODIADRILL 160+200, (No.4100000439) Earplugs SaveRave, (No.4100000443) rubberized gloves, (No. 4100000441) Safety Goggle HC/AF

Scope of delivery (No. FF34160): (No. FF30150) Drill stand RODIACUT® 150, (No. FF40220) Drill motor RODIADRILL 200, (No. FF70001) Tool bag, (No. FF70019N) Allen key SW19 DIN895, (No. FF70024) Allen key SW24 DIN894, (No. FF70036) Allen key SW36 DIN894 (No. FF70041) Allen key SW41 DIN894, (No. FF35120) Concrete Fixing Set, (No. FF35302) Water supply hose + Adapt. f. Gardena coupling, (No. 111429) Hammer drill SDS Plus, 15x160mm, (No. FF35190) Copper ring 1.1/4", (No. 1300002467) Instruction manual Drill stand RODIACUT® 150-250, (No. 1300002468) Instruction manual RODIADRILL 160+200, (No. 4100000439) Earplugs SaveRave, (No. 4100000443) rubberized gloves, (No. 4100000441) Safety Goggle HC/AF

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	39	FF40150	RODIA® DRY CLEANER 1600	51	FF35144
Pressurized water container 10 l	50	FF35026	Water collection ring, stationary (for FF30150)	50	FF35700
Vacuum pump RODIA-VAC	49	FF35200	Drill Bits	46 - 48	

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

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:	w/o 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



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



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 watts / 2,400 watts		
3-speed transmission	1. Gear	2. Gear	3. Gear
Torque:	71 Nm	34 Nm	17 Nm
Clamping neck:	Ø 60 mm		

RODIADRILL 500

Drill motor

230 V

RO SERVICE+ [1]



TECHNICAL DATA (DRILL MOTOR)

Drill motor:	RODIADRILL 500		
Threaded adaptor:	G 1/2" and 1.1/4" UNC		
Power input / output:	4,000 watts / 3,000 watts		
3-speed transmission	1. Gear	2.Gear	3. Gear
Torque:	185 Nm	107 Nm	55 Nm
Drill motor adaptor:	Quick-change recording via dovetail plate		



Scope of delivery (No. FF34200): (No. FF30250) Drill stand RODIACUT® 250, (No. FF40220) Drill motor RODIADRILL 200, (No. FF70001) tool bag, (No. FF70019N) Allen key SW19 DIN895, (No. FF70024) Allen key SW24, DIN894, (No. FF70036) Allen key SW36 DIN894, (No. FF70041) Allen key SW41, DIN894, (No. FF35120) Concrete fixing-set, (No. FF35302) Water supply hose + Adapt. f. Gardena coupling, (No. 111429) Hammer drill SDS Plus, 15x160mm, (No. FF35190) Copper ring 1.1/4", (No. 1300002467) Instruction manual Drill stand RODIACUT® 150-250, (No. 1300002468) Instruction manual RODIADRILL 160+200, (No. 4100000439) Earplugs SaveRave, (No. 4100000443) rubberized gloves, (No. 4100000441) Safety goggle HC/AF

Scope of delivery (No. FF34260): (No. FF30250) Drill stand RODIACUT® 150, (No. FF40400) Drill motor RODIADRILL 500, (No. FF70001) tool bag, (No. FF70019N) Allen key SW19 DIN895, (No. FF70024) Allen key SW24, DIN894, (No. FF70036) Allen key SW36 DIN894, (No. FF70041) Allen key SW41, DIN894, (No. FF35120) Concrete fixing-set, (No. FF35302) Water supply hose + Adapt. f. Gardena coupling, (No. 111429) Hammer drill SDS Plus, 15x160mm, (No. FF35190) Copper ring 1.1/4", (No. 1300002467) Instruction manual Drill stand RODIACUT® 150-250, (No. 1300002469) Instruction manual RODIADRILL 500-, (No. 4100000439) Earplugs SaveRave, (No. 4100000443) rubberized gloves, (No. 4100000441) Safety goggle HC/AF

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	39	FF40150	RODIA® DRY CLEANER 1600	51	FF35144
Pressurized water container 10 l	50	FF35026	Water collection ring, stationary (for FF30150)	50	FF35700
RODIA-VAC	49	FF35200	Drill Bits	46 - 48	

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



RODIADRILL 500

230 V

Drill motor



Scope of delivery (No. FF34500): (No. FF30030) Drill stand RODIACUT® 400 PRO, (No. FF40400) Drill motor RODIADRILL 500, (No. FF70001) tool bag, (No. FF70019N) Allen key SW19 DIN895, (No. FF70024) Allen key SW24, DIN894, (No. FF70032) Allen key SW32 DIN894, (No. FF70041) Allen key SW41, DIN894, (No. FF35120) Concrete fixing-set, (No. FF35302) Water supply hose + Adapt. f. Gardena coupling, (No. 111429) Hammer drill SDS Plus, 15x160mm, (No. FF35190) Copper ring 1.1/4", (No. 1300002467) Instruction manual Drill stand RODIACUT® 400 PRO, (No. 1300002468) Instruction manual RODIADRILL 500, (No. 4100000439) Earplugs SaveRave, (No. 4100000443) Rubberized gloves, (No. 4100000441) Safety Goggles HC/AF

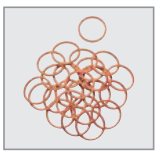
TECHNICAL DATA (DRILL MOTOR)

Drill motor:	RODIADRILL 500
Threaded adaptor:	G 1/2" and 1.1/4" UNC
Power input / output:	4,000 watts / 3,000 watts
3-speed transmission:	1. Gear 2.Gear 3. Gear
Torque:	185 Nm 107 Nm 55 Nm
Drill motor adaptor:	Dovetail plate

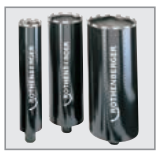
Model	kg	No.
Drill system RODIACUT® 400 PRO / RODIADRILL 500	40.5	FF34500
Drill stand RODIACUT® 400 PRO	28.4	FF30030
Drill motor RODIADRILL 500	12.1	FF40400

ACCESSORIES







Model		No.	Model		No.
Submersible water pump RODIAPUMP	50	FF35029	Drill Bits	46 - 48	
Pressurized water container 10 l	50	FF35026	Distance plate 60 mm		FF35136
RODIA® DRY CLEANER 1600	51	FF35144	Copper rings 1.1/4"	49	FF35190
Mounting articles	49		Extensions	50	

High Speed Plus Natural Stone

Soldered diamond core wet cutting drill bit
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 Granitee tiles

Threaded adaptor G 1/2"

Suitable for all other ROTHENBERGER drilling machines



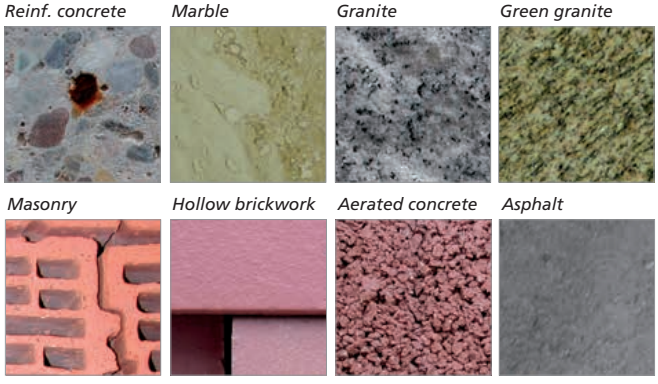


Overwound drill bits

Balanced rotation reduces wear

Drilling of the hardest materials





Suitable for



RD 160



CERAMIC



RD 200

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
15	0.20	FF44815
16	0.20	FF44816

Ø mm	kg	Adaptor G 1/2" No.
18	0.21	FF44818
20	0.22	FF44820
22	0.22	FF44822
24	0.22	FF44824
25	0.23	FF44825
26	0.23	FF44826
28	0.25	FF44828

Ø mm	kg	Adaptor G 1/2" No.
30	0.25	FF44830
32	0.25	FF44832
35	0.30	FF44835
36	0.32	FF44836
38	0.34	FF44838
40	0.34	FF44840
42	0.35	FF44842

Ø mm	kg	Adaptor G 1/2" No.
45*	0.42	FF44845
50*	0.60	FF44850
55*	0.65	FF44855
60*	0.72	FF44860
65*	0.76	FF44865
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 TECHNOLOGY Plus

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 (400 mm effective length)

Drill bit	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



Space welding

Allows wet and dry use

Overwound drill bits

Balanced rotation reduces wear



Extremely easy cuts, safe cuts in hand operated use



Special segment mix

Quicker drilling progress and extremely long service life



Marble



Masonry



Hollow brickwork



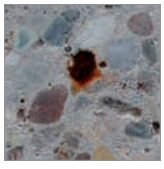
Pavement



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!

SPEED STAR DX

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

Space Welding and PRISMACUT

ROTHENBERGER Plus TECHNOLOGY

2

Product Profile

APPLICATION AREA

Wet and dry drill bits for asphalt, masonry, as well as natural and artificial stone of 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

Suitable for





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

* We recommend the optional extraction rotor when using 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
14	0.4	FF00614
15	0.4	FF00615
16	0.4	FF00616
18	0.4	FF00618
20	0.5	FF00620
24	0.5	FF00624
25	0.5	FF00625
26	0.5	FF00626
28	0.6	FF00628
30	0.6	FF00630
32	0.6	FF00632
35	0.7	FF00635
38	0.7	FF00638
40	0.7	FF00640
46	0.7	FF00645

Ø mm	kg	Adaptor G 1/2" No.
52	0.9	FF00650
56	1.2	FF00655
62	1.2	FF00660
66	1.3	FF00665
72	1.4	FF00670
76	1.5	FF00675
82	1.6	FF00680
87	1.7	FF00685
92	1.9	FF00690
95	2.0	FF00695
102	2.1	FF00700
108	2.3	FF00705
112	2.4	FF00710
117	2.5	FF00715
122	2.6	FF00720
127	2.8	FF00725
132	2.9	FF00730

Ø mm	kg	Adaptor 1.1/4" No.
20	0.5	FF00020
25	0.6	FF00025
30	0.7	FF00030
40	1.2	FF00040
46	1.4	FF00045
52	1.6	FF00050
56	1.7	FF00055
62	1.9	FF00060
66	2.1	FF00065
72	2.3	FF00070
76	2.4	FF00075
82	2.6	FF00080
87	2.8	FF00085
92	3.0	FF00090
102	3.4	FF00100
108	3.6	FF00105
112	3.8	FF00110

Ø mm	kg	Adaptor 1.1/4" No.
122	4.2	FF00120
125	4.3	FF00125
132	4.6	FF00130
142	5.0	FF00140
152	6.4	FF00150
162	7.0	FF00160
172	7.5	FF00170
182	8.0	FF00180
200	9.0	FF00200
220	11.4	FF00220
250	13.6	FF00250
280	17.6	FF00280
300	19.3	FF00300
350	23.6	FF00350
400	28.4	FF00400
450	33.6	FF00450
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, RODIACUT® 131 DWS, 150, 170 C	1.1	FF35710
Spare foamed rubber for drill base RC 150 etc.	0.1	FF50007
Vacuum set RODIACUT® 202 DWS, 250, 270 C	1.1	FF35740
Spare foamed rubber for drill base RC 250 etc.	0.1	FF50008

Concrete / Masonry Fixing Set

Includes (No. FF35120): 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. FF 35122) and drive-in iron (No. FF35128)

Includes (No. FF35121): 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.

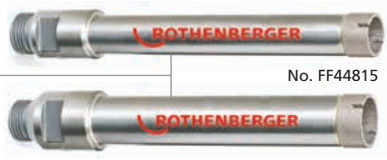


Special Diamond Drills for Tiles and Natural Stone

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
SDS-plus Hammer drill Ø 20 mm, wl. 300 mm	0.22	111449*
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-BI to G 1/2“+ 1.1/4“	0.50	FF35091
Adaptor DD-BU to G 1/2“+ 1.1/4“	0.80	FF35092
Threaded interface WÜRTH to 1.1/4“	0.60	FF35101
Copper ring 1.1/4“	0.05	FF35190

* Cordless Rotary Hammer p.331

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

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

Model	kg	No.
Submersible water pump, 230 Volt	4.40	FF35029
Water supply hose with Aqua-Stop	0.20	FF35302

Manometer

pressure indicator

2.5 meter hose length

Ideal use for ceiling holes



No. FF35026

Connection Quick plug-in coupling

Drip-free connection even under water pressure

Model	kg	No.
Pressurized water container, 10 Liter	5.50	FF35026
Water supply hose f. RODIADRILL	0.20	FF35301

Water Extraction Systems

The dirty cooling water is extracted in connection with a wet and dry vacuum (FF35144, FF35210)



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

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 (FF35144) and increases the drilling process, prevents jamming of drill bit and reduces segment wear.

Model	kg	No.
Extraction Rotor (Drill bit 1.1/4" UNC / motor G 1/2")	1.90	FF40056





RODIA DRY CLEANER 1600

Wet and dry extraction unit

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

Constant extraction power!
Automatic filter-cleaning function!

8 m | 230 V



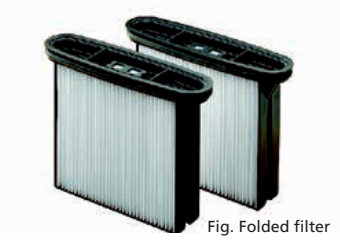


Fig. Folded filter
No. FF55374

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

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

RODIA CLEANER 1400

Water suction unit

230 V

KEY FEATURES

- Easy-to-handle and powerful 1,400 watt water extraction unit
- 35 litre container made of zinc-plated steel plate with acrylate coating: Rust-free
- Separate automatic outlet connection for an additional electrical tools



Set (No. FF35210) includes various extraction tubes and extraction nozzles. Wet-suction is possible when used with the cartridge filter system. When used with a cloth filter, dry suction possible. Suitable for use with our core drilling systems.



Separate automatic outlet

Connection for additional electrical tools

Light and easy-to handle

Impact protective ring at base with 4 double roller wheels, 9 kg weight

Model	kg	No.
RODIA CLEANER 1400, 35 litres	9.0	FF35210
Cartridge filter	1.0	FF55447
Paper filter (5 pieces)	1.0	FF55448





Bending

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Manual

One Handed Bender 56 - 58

Bending Pliers 59 - 60

Tube Bending Springs CU 61

Internal Bending Springs MSR 61

Vice Bender 62 - 63

Manual-Hydraulic

Bender Manual Hydraulic 64 - 65

Electric Hydraulic

Bender Electric Hydraulic 66 - 67

Electric

Bender Electric 68 - 70

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Bending

System Overview

Push bending

	TUBE BENDER	TUBE BENDER Maxi	TUBE BENDER Maxi MSR
			
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	–	Ø 12 - 18 mm (3/8 - 5/8") 1 mm, soft	–
Working range: MSR	–	Ø 14 - 26 mm (5/8 - 7/8") 2 mm	Ø 14 - 32 mm 2 mm
Page	56	57	58

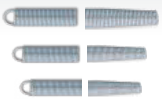
Pull bending

	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: MSR	–	–	–	–
Page	59	59	60	60

Push bending

	ROBULL Typ E	ROBULL MSR Typ E	ROBULL Typ ME	ROBULL MSR Typ ME
				
Method:	Manual hydraulic 90°	Manual hydraulic 90°	Electro 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: MSR	–	Ø 40 - 63 mm	–	Ø 40 - 63 mm
Page	**64, 65**	**64, 65**	**66, 67**	**66, 67**

Pull bending

	Pro Bender	Internal Bending Springs MSR	ROBEND® H+W PLUS	ROBEND® 4000
				
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") 2.0 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") 2.0 mm
Working range: MSR	–	Ø 6 - 20 mm	–	Ø 12 - 32 mm (1/2 - 1.1/4") 3.0 mm
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TUBE BENDER

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

Product Profile

APPLICATION AREA

Suitable for pipes made of:

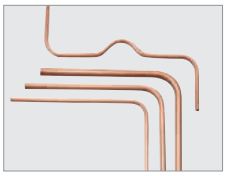
Copper (soft) and aluminium:	Ø 5 - 12 mm, 1/4 - 1/2"
Precision steel (soft):	Ø 5 - 12 mm, 1/4 - 1/2"

KEY FEATURES

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



Various bends possible



TUBE BENDER (No. 24130)



Bending formers (No. 24048)



Back plates (No. 24049)



Bending segments



TUBE BENDER sets includes: basic tool complete with bending segments, back plates, in plastic carrying case (No. 24025)

Model	kg		No.
Basic Set (basic tool, back plates plastic case)	1.00	1	**24010**
TB Set 5 - 6 - 8 - 10 mm	2.84	1	**24131**
TB Set 6 - 8 - 10 - 12 mm	3.03	1	**24132**
TB Set 8 - 10 - 12 mm	2.82	1	**24133**
TB Set 1/4 - 5/16 - 3/8 - 1/2"	2.92	1	**24134**
Basic tool without bending segments	0.36	1	**766004016**
Support segment	0.05	1	**24048**
Back plate without support segment	0.14	1	**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 multi-layered composite pipes (only in
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"
Stainless steel (thin-walled, soft):	Ø 10 - 18 mm, 3/8 - 5/8"
MSR (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. 23001) (MSR Set No. 23001), (MSR-Set No. 24022), plastic carrying case (No. 23097)

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

One-handed bending tool for precision bending of multi-layered composite pipes (MSR), 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 MSR

Universal field operation



Sets (No. 23065 / 23095) include: TUBE BENDER MAXI MSR (No. 23076), support brackets (No. 23080), bending formers in plastic carrying case (No. 995867300)

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

ACCESSORIES







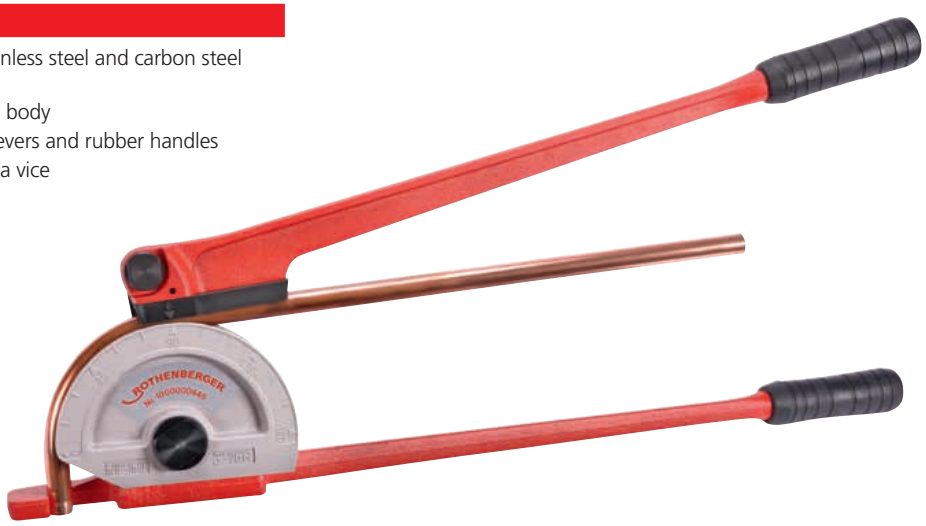

Description	g	No.	Description	g	No.
Bending segment 14 x 2,0 mm	80	23003	Bending segment 26 x 2,0 mm	200	23053
Bending segment 16 x 2,0 mm	100	23005	Bending segment 32 x 2,0 mm	380	23051
Bending segment 18 x 2,0 mm	140	23050	Basic tool 32 without support brackets	1,280	23076
Bending segment 20 x 2,0 mm	150	23052	Support brackets with support segments R/L 23076	790	23080
Bending segment 25 x 2,0 mm	180	23009	Support segment MSR 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



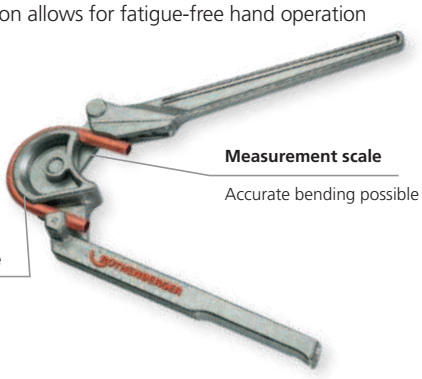
Size	max. mm	R Radius mm	L mm	kg	No.
3/8" / 10 mm	1.0	40	530	2.2	1000001431
1/2"	1.0	47	530	2.1	767050016
5/8" / 16 mm	1.0	76	770	4.0	1000000445
3/4"	1.0	76	770	3.9	767750016

MULTIBEND Standard Bender 180°

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

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

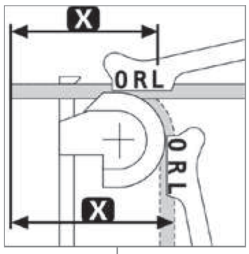
- Universal bender for sanitary and heating installations refrigeration and air-conditioning systems
- Long handles allow for better leverage in the bending of semihard copper pipes
- Bending pliers with sliding carriage for millimetre-exact bending
- Accurate adjustments between the bending radius and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



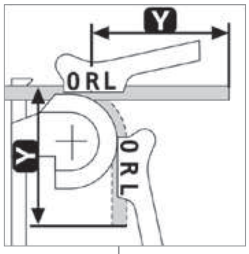
Size	mm	R Radius mm	L mm	kg	No.
12 mm	1.0	43	460	1.4	462212
15 mm	1.0	60	600	2.3	462215
18 mm	1.0	74	860	3.2	462218
22 mm	1.0	87	900	4.3	462222

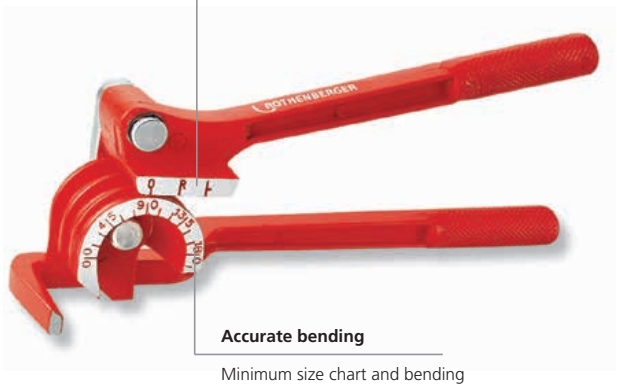
3

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°

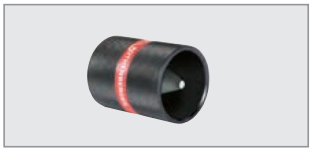
For accurate bending up to 180° of pipes made of soft copper, aluminium and precision steel Ø 6 - 18 mm (1/4 - 5/8")

KEY FEATURES

- Bending 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	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

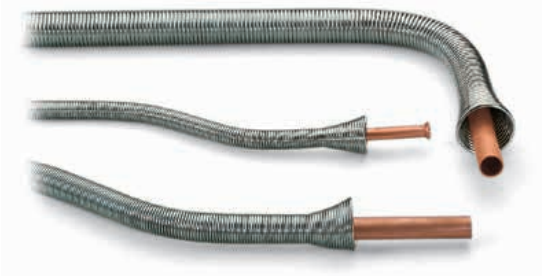




Description		No.
Internal / External deburrer	31	1500000236
Bending spray, 150 ml	61	25120

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

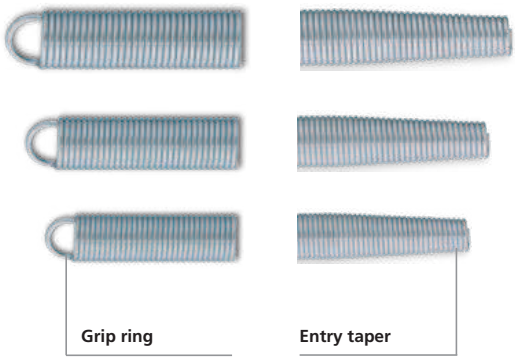
Size	g	No.
5/16"	70	25181
1/2"	130	25190
5/8"	220	25186

MSR Internal Bending Springs

For hand bending of aluminium multi-layer pipes (MSR)
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



Grip ring
for insertion into and retraction out of the pipe

Entry taper
for clean insertion in the pipe

Model	Bending spring	Pipe	g	No.
MSR-internal-bending spring	6.0 mm	12.0 mm	90	25441
MSR-internal-bending spring	8.0 mm	14.0 mm	120	25442
MSR-internal-bending spring	10.0 mm	16.0 mm	150	25443
MSR-internal-bending spring	12.0 mm	18.0 mm	180	25444
MSR-internal-bending spring	13.5 mm	20.0 mm	220	25445
MSR-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



Fig. Bending spray

ACCESSORIES



Description		No.
Internal / External deburrer	31	1500000236

ROBEND® H+W PLUS

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

Product Profile

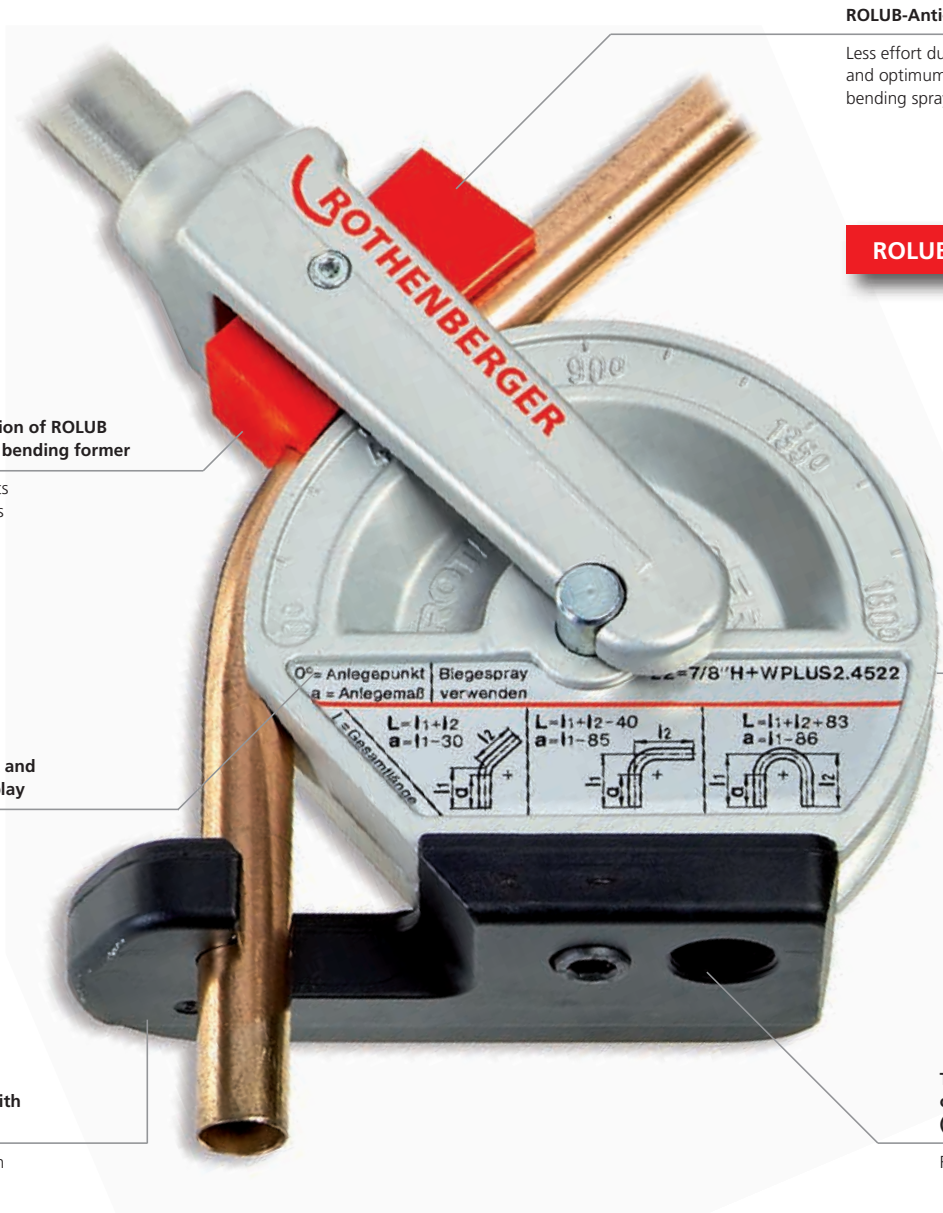
APPLICATION AREA

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-hand 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

Optimum combination of ROLUB guide shoe and the bending former

Perfect bending results without friction marks

Minimum size chart and bending radius display

Accurate bending

Bending formers with base plate

Easy bending through clamping on a vice

Made from high quality forged aluminium

Retains shape and remains stable

Thread for the attachment of the additional lever (accessories)

Free-hand bending possible

ROBEND® H+W PLUS Bender

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

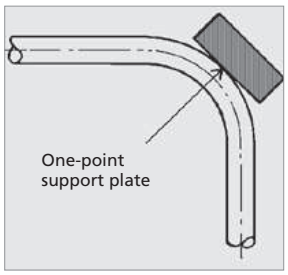


ROBEND® H+W PLUS Bender

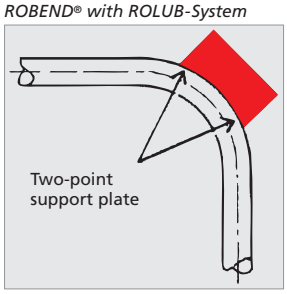
Size	max mm	R Radius mm	g	No.
8 mm	1,0	22	660	24508
10 mm	1,0	32	1,180	24510
12 mm	1,0	38	1,110	24512
14 mm	1,0	45	1,370	24514
15 mm	1,0	45	1,370	24515
16 mm	1,0	64	2,620	24516
18 mm	1,0	64	2,620	24518
22 mm	1,0	81	3,800	24522
5/16″	1,0	22	660	24508
1/2″	1,0	38	1,110	24552
5/8″	1,0	64	2,620	24516
3/4″	1,0	81	3,850	24519
7/8″	1,0	81	3,800	24522
ACCESSORIES (additional lever for two-hand 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
Case ROBEND H+W Plus				1500000255

*Possible from 10 mm

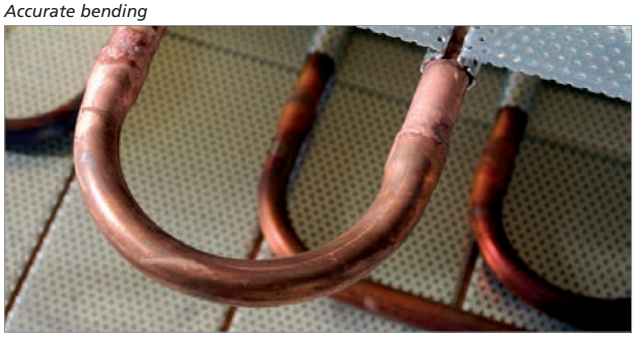
Conventional bender



ROBEND® with ROLUB-System



Accurate bending



ROBEND® H+W PLUS Bending Sets

Sets include: Steel carrying case for a maximum of 5 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

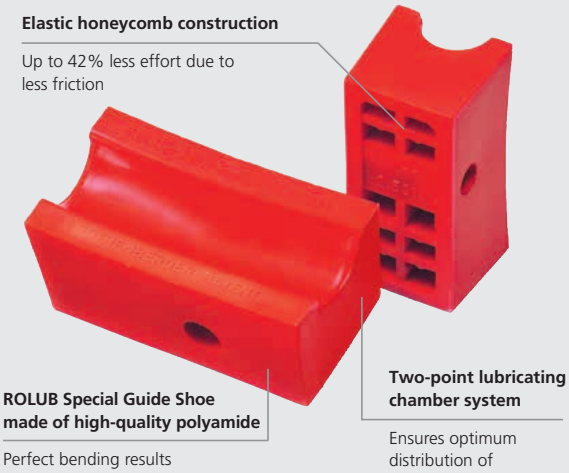
Model	Description	mm	kg	No.
ROBEND® H+W PLUS	12 - 15 - 18 - 22 mm	1.0	16.5	24500
ROBEND® H+W PLUS	10 - 12 - 14 - 16 mm	1.0	16.3	24501
ROBEND® H+W PLUS	12 - 14 - 16 - 18 mm	1.0	13.6	24502
ROBEND® H+W PLUS	15 - 18 - 22 mm	1.0	14.9	24505
ROBEND® H+W PLUS	1/2 - 5/8 - 3/4″	1.0	13.6	24503
ROBEND® H+W PLUS	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 bender the ROLUB guide shoe with two-point lubricating chamber system



3

ROBULL Type E / ROBULL MSR Type E

For precise, manual hydraulic cold bending up to 90°

Product Profile

APPLICATION AREA

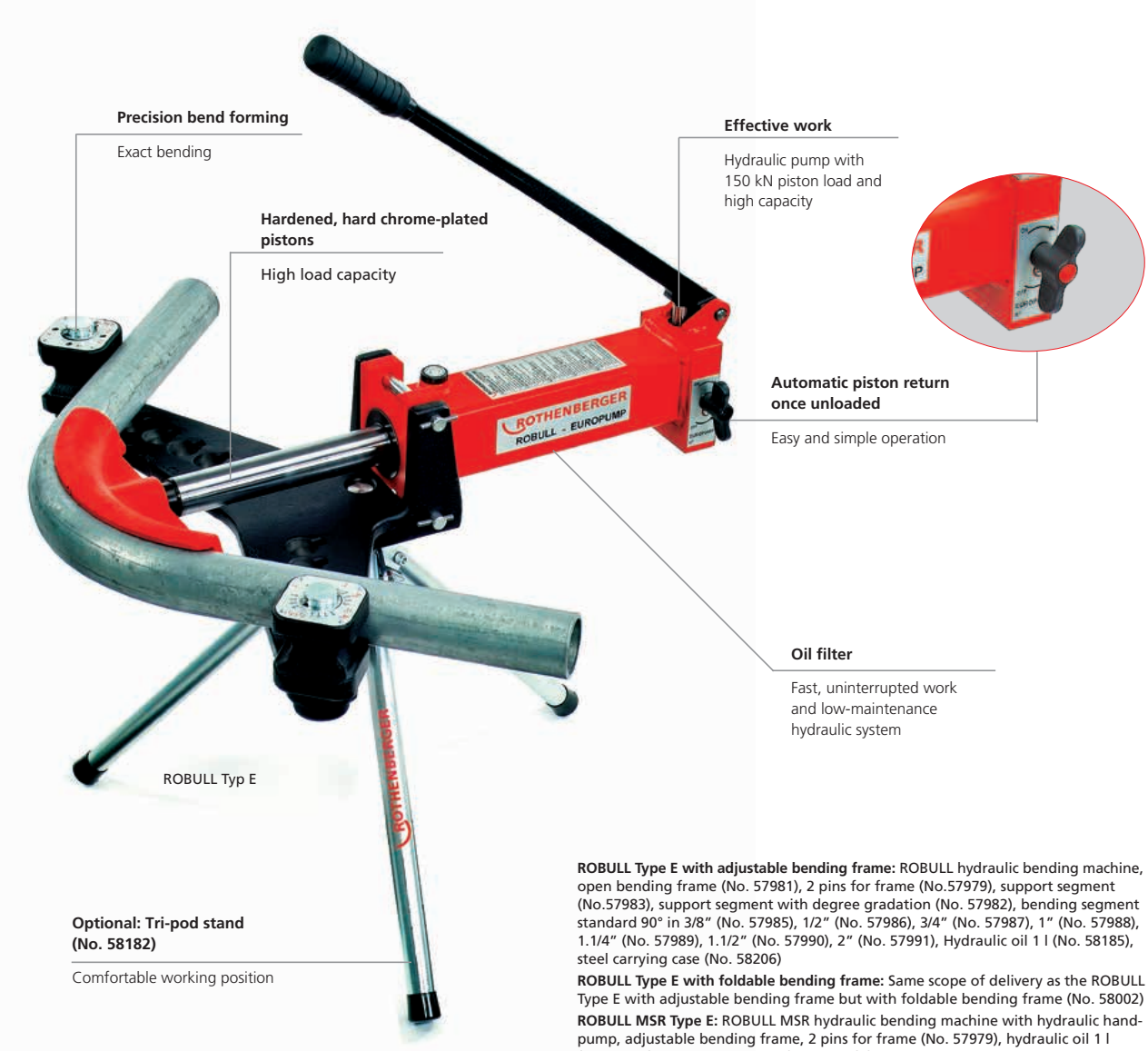
Broadly applicable, universal portable hydraulic bending system for plumbing, sanitary and heating installation on construction sites, for apparatus and boiler construction and for industrial use.
Also suitable for aligning tubes.

ROBULL Typ E:
For accurate bending up to 90° on pipes made of:
Carbon steel suitable for welding and thread-cutting Ø 3/8 - 2"

ROBULL MSR Typ E:
For accurate bending up to 90° on pipes made of:
Multi-layered composite pipe (MSR) Ø 40 - 50 - 63 mm

KEY FEATURES

- Precise bending with the angle scale on the support brackets (not with ROBULL MSR type E)
- 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)

ROBULL MSR Type E: ROBULL MSR hydraulic bending machine with hydraulic hand-pump, adjustable bending frame, 2 pins for frame (No. 57979), hydraulic oil 1 l (No. 58185), steel carrying case (No. 58206) (bending segments and support segments not included)

Model	Description	kg		No.
ROBULL Typ E	without accessories	16.8	1	057950X
ROBULL Typ E	with adjustable bending frame and accessories (see above)	59.8	1	057966X
ROBULL Typ E	with foldable bending frame and accessories (see above)	72.6	1	057961X
ROBULL MSR Typ E	without bending segments and support segments (see above)	54.0	1	57900

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

ROBULL Typ E



ROBULL Type E with foldable bending frame

ROBULL MSR Typ E



Set 40 - 50 - 63 (No. 58020) includes:
Bending segments 40 mm (No. 58021),
Bending segments 50 mm (No. 58022),
Bending segments 63 mm (No. 58023),
Support segments 40 mm (No. 57921),
Support segments 50 mm (No. 57922),
Support segments 63 mm (No. 57923)

ROBULL Typ 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

ROBULL MSR Typ E Bending segments

mm	Wall thickness min. mm	r mm	kg	No.
40	2.35	138	1.2	58021
50	2.65	173	1.7	58022
63	2.65	218	2.3	58023
Set 40 - 50 - 63	see above	see above	9.0	58020



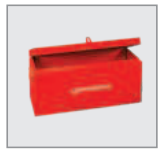


ACCESSORIES







Model	kg	No.
ROBULL Typ E		
Bending frame, adjustable	15.2	57981
Support segment for adjustable bending frame, with degree gradation (1 piece)	2.6	775004000
Support segment for adjustable bending frame, without degree gradation (1 piece)	2.6	57983
Bending frame, foldable	12.5	775504100
Locking pin	0.3	57979

Model	kg	No.
ROBULL MSR Typ E		
Support segments, 40 mm (2 pieces)	1.9	57921
Support segments, 50 mm (2 pieces)	3.2	57922
Support segments, 63 mm (2 pieces)	3.9	57923
ROBULL Typ E / ROBULL MSR Typ E		
Hydraulic oil, 1 litre	1.0	58185
Tripod stand	3.0	58182
Steel case	10.0	996277400

ROBULL Typ ME / ROBULL MSR Typ 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 Typ ME:

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

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

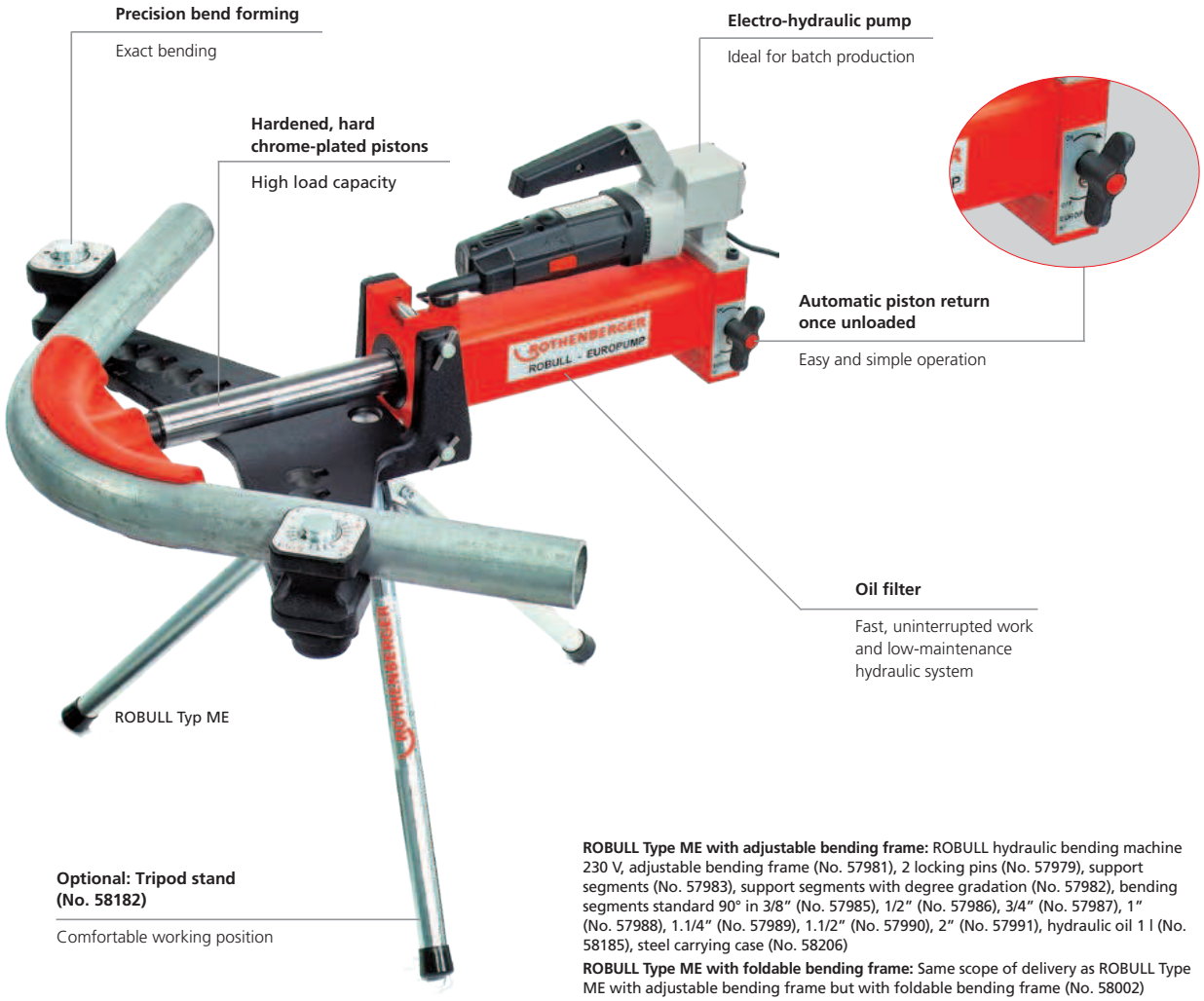
ROBULL MSR Typ ME:

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

multi-layered composite pipe (MSR) Ø 40 - 50 - 63 mm

KEY FEATURES

- Precise bending with the angle scale on the support segments (not with ROBULL MSR type ME)
- 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)

ROBULL MSR Type ME: ROBULL MSR hydraulic bending machine 230 V, adjustable bending frame, 2 locking pins (No. 57979), hydraulic oil 1 l (No. 58185), steel carrying case (No. 58206) (bending segments, support segments not included)

Model	Description	kg		No.
ROBULL Typ ME	without accessories	17.8	1	057969X
ROBULL Typ ME	with adjustable bending frame and accessories (see above)	59.8	1	057973X
ROBULL Typ ME	with foldable bending frame and accessories (see above)	72.6	1	057972X
ROBULL MSR Typ ME	without bending segments and support segments (see above)	54.0	1	57915

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

ROBULL Typ ME



ROBULL Type E with foldable bending frame

ROBULL MSR Typ ME



Set 40 - 50 - 63 (No. 58020) includes:
Bending segment 40 mm (No. 58021),
Bending segment 50 mm (No. 58022),
Bending segment 63 mm (No. 58023),
Support segment 40 mm (No. 57921),
Support segment 50 mm (No. 57922),
Support segment 63 mm (No. 57923)

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

Bending segments ROBULL Typ ME

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

ROBULL MSR Type ME Bending Segments

mm	Wall thickness min. mm	r mm	kg	No.
40	2.35	138	1.2	58021
50	2.65	173	1.7	58022
63	2.65	218	2.3	58023
Set 40 - 50 - 63	see above	see above	9.0	58020





ACCESSORIES



Model	kg	No.
ROBULL Typ ME		
Bending frame, adjustable	15.2	57981
Support segment for adjustable bending frame, with degree gradation (1 piece)	2.6	775004000
Support segment for adjustable bending frame, without degree gradation (1 piece)	2.6	57983
Bending frame, foldable	12.5	775504100
Locking pin	0.3	7979

Model	kg	No.
ROBULL MSR Typ ME		
Support segments, 40 mm (2 pieces)	1.9	57921
Support segments, 50 mm (2 pieces)	3.2	57922
Support segments, 63 mm (2 pieces)	3.9	57923
ROBULL Typ E / ROBULL MSR Typ ME		
Hydraulic oil, 1 litre	1.0	58185
Tripod stand	3.0	58182

ROBEND® 4000

Portable, sturdy and powerful. The successor of the proven ROBEND 3000, now with a higher bending radius: 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 likelyhood 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")
Multi-layered composite pipe (MSR):	Ø 12 - 32 mm, (1/2-1.1/4")

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 watts

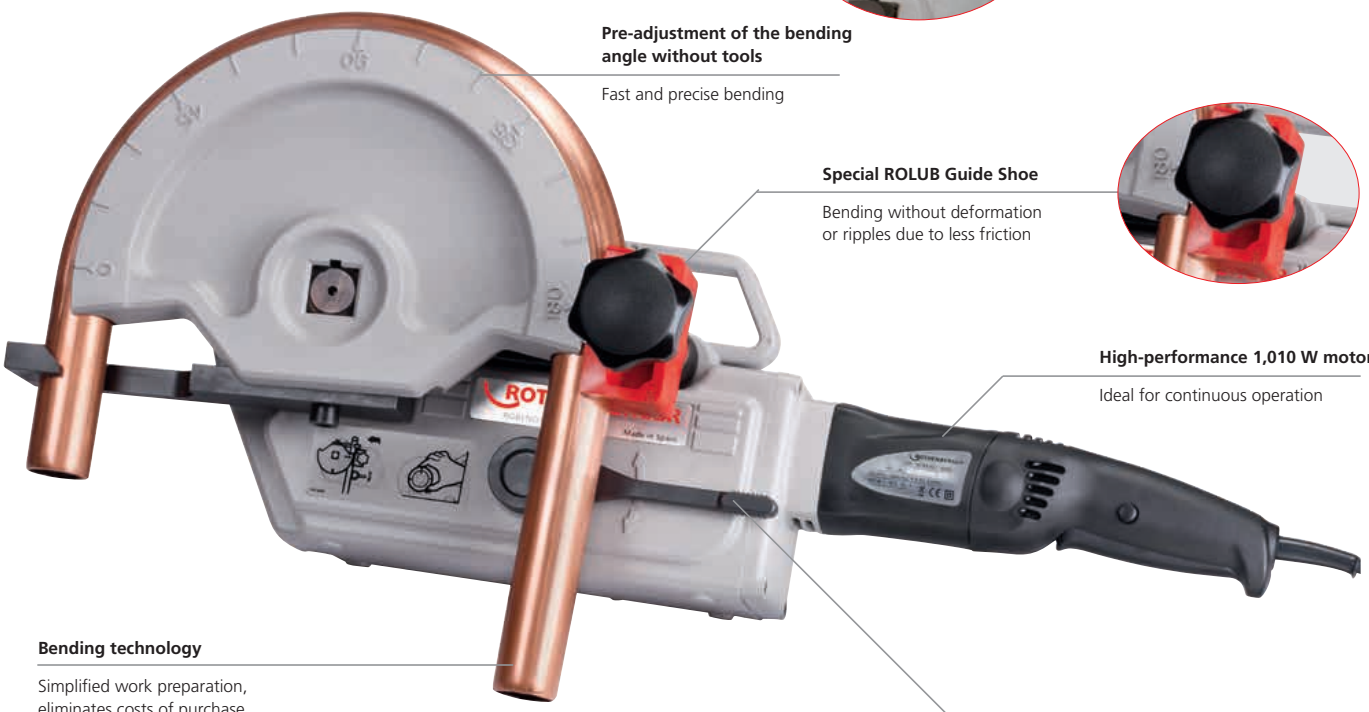


Forged aluminium former with bending radius scale

Easy to use

Pre-adjustment of the bending angle without tools

Fast and precise bending



Special ROLUB Guide Shoe

Bending without deformation or ripples due to less friction

High-performance 1,010 W motor

Ideal for continuous operation

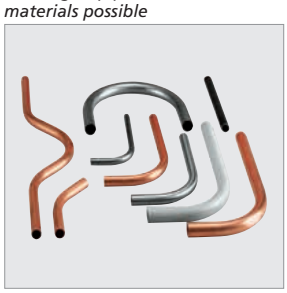
Bending technology

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 stand



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

ROBEND® 4000 Sets

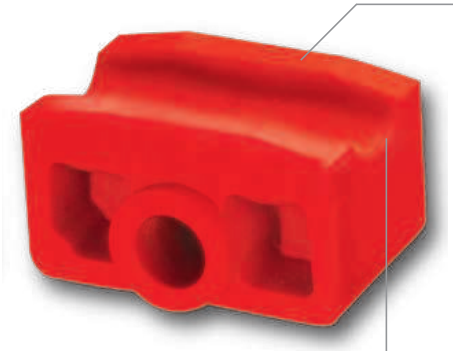
Sets include: Basic 230 V Unit (No. 1000001559), bending formers and guide shoes for respective pipe diameters, guide shoe axle (No. 25743), adaptor for tripod (No. 25748) in basic unit (tripod optional), carrying case

CE 230 V RO SERVICE+ [1)]

ROLUB-Antiblock-System!

ROLUB Special Guide Shoe made of high-quality polyamide

Perfect bending results without friction marks



Two-point lubricating chamber system

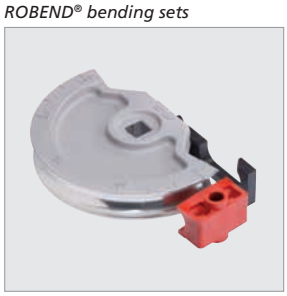
Ensures optimum distribution of lubrication

Optional: Tripod stand



Fig. ROBEND® 4000 Set

ROBEND® bending sets



Forged aluminium former with bending radius display



Pre-adjustment of the bending angle without tools

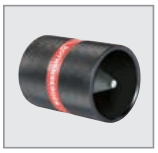


Model	Description	Pipe type	kg	No.
ROBEND® 4000 Set	15 - 18 - 22 mm	Cu, Fe, et al.	24.12	1000001554
ROBEND® 4000 Set	15 - 18 - 22 - 28 mm	Cu, Fe, et al.	24.12	1000001550
ROBEND® 4000 Set	12 - 14 - 16 - 18 - 22 mm	Cu, Fe, et al.	21.90	1000001551
ROBEND® 4000 Set	15 - 22 - 28 mm	Cu, Fe, et al.	21.10	1000001545
ROBEND® 4000 Set	12 - 14 - 16 - 18 - 22 - 28 mm	Cu, Fe, et al.	24.10	1000001552
ROBEND® 4000 Set	12 - 15 - 18 - 22 mm	Cu, Fe, et al.	20.60	1000001548
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

ACCESSORIES









Model	No.	Model	
Bending spray 150 ml	25120	Pipe cutter	14 - 25
Guide shoe axle	25743	Internal / External deburrer	31
ROBEND® carrying case, for 5 segments up to Ø 30 mm	995830200	Hard soldering torch (SUPER FIRE 3 with MAPP®-GAS)	148-157
Tripod stand, foldable	25748	Brazing solder	177
ROBEND® carrying case, for 32 mm (1.1/4") and 35 mm (1.3/8")	1000001564		

ROBEND® 4000 bending sets can be found on 70

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

3

ROBEND® 3000/4000 Bending Formers

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



Fig. ROBEND® 3000 / 4000 bending set with ROLUB 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

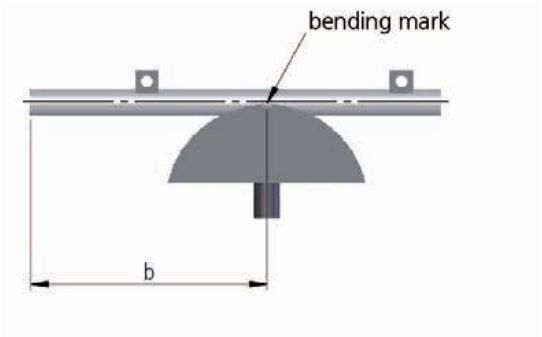
Size	Wall thickness mm	Bending radius mm	kg	No.
12 mm	1.0	42	0.48	25612
14 mm	1.0	49	0.48	25614
15 mm	1.0	52	0.53	25615
16 mm	1.0	56	0.60	25616
18 mm	1.0	72	1.17	25618
20 mm	1.0	80	1.42	25620
22 mm	1.2	88	1.42	25622
28 mm	2.0	112	2.90	25628
32 mm*	2.0	128	3.40	1000001561
35 mm*	2.0	140	3.60	1000001563

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. Only matching with optional plastic carrying case (No. 1000001564).

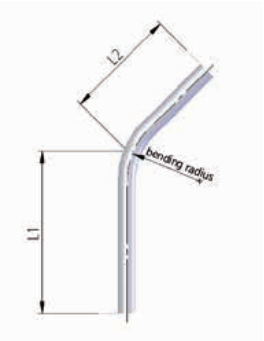
Push bending



Symbols

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

45°- Arc



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

90°- Arc



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

Calculation Examples TUBE BENDER MAXI

Specifications:

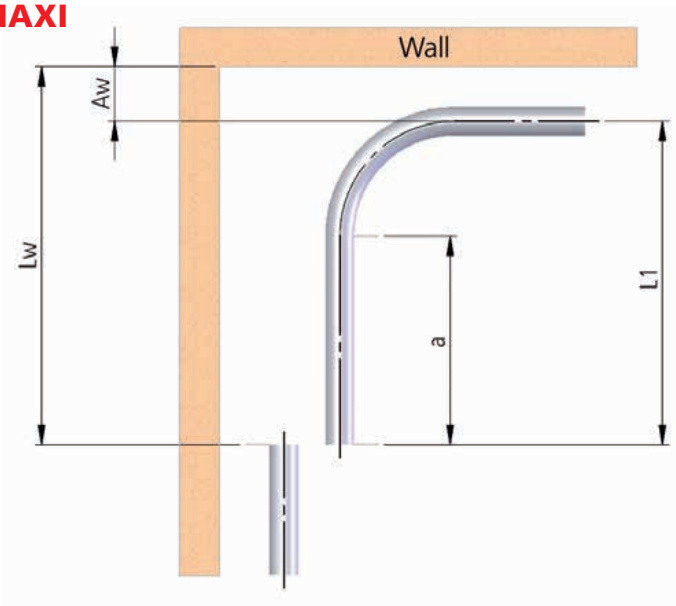
Installation in corner areas
L_W = 1,200 mm
A_W = 30 mm
Pipe-Ø 12 mm, 90°-Arch

Sought after:

Leg length L_1
Applied size b

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 $b = L_1 - L_R = 1{,}170 - 7.5 = 1{,}162.5$ 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	-	-

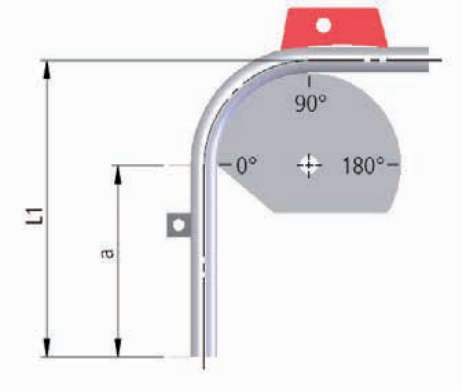
TUBE BENDER MAXI		at 45°		at 90°		at 180°
for Ø mm / inch	Bending radius R (mm)	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm
12	35.0	0.8	10.0	7.5	35.0	-
14	42.5	0.9	12.5	9.0	42.5	-
15	48.5	1.1	14.0	10.5	48.5	-
16	49.0	1.1	14.5	10.5	49.0	-
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		bei 45°		bei 90°		bei 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	-

*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

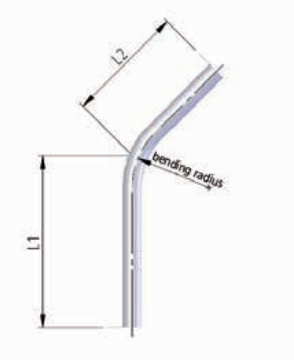
Pull bending



Symbols

L1, L2 = Leg length
a = Lay out length
L = Total length of the pipe piece
L_W = Distance / pipe end - wall
A_W = Distance wall - pipe middle
L_M = Minimum Length*
L_R = Reserve Length*

45°- Arc



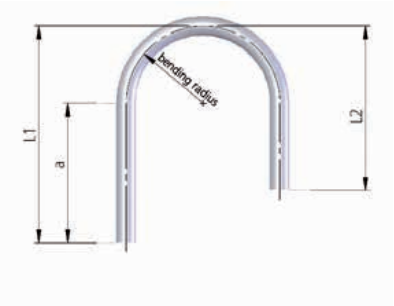
$L = L_1 + L_2$
$a = L_1 - L_R$

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

Specifications:

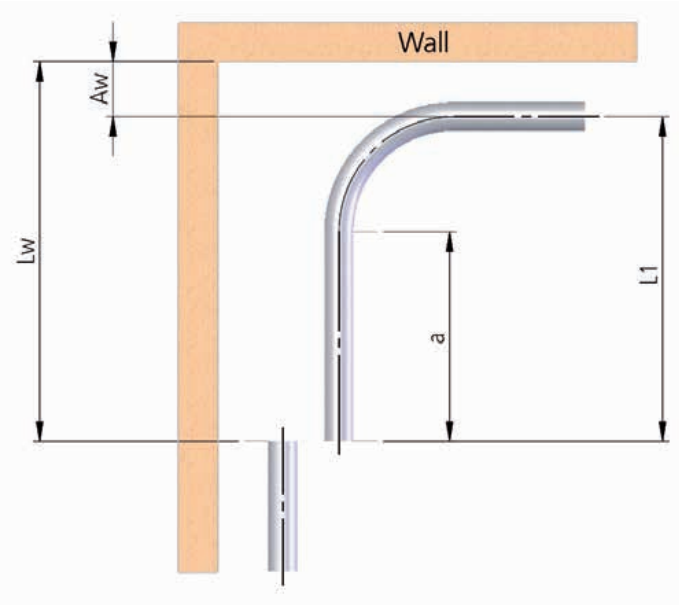
Installation in corner areas
L_W = 1,200 mm
A_W = 30 mm
Pipe-Ø 12 mm, 90°-Arc

Sought after:

Leg length L_1
Applied size a

Solution:

Summary from the ROBEND® 3000/4000 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

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

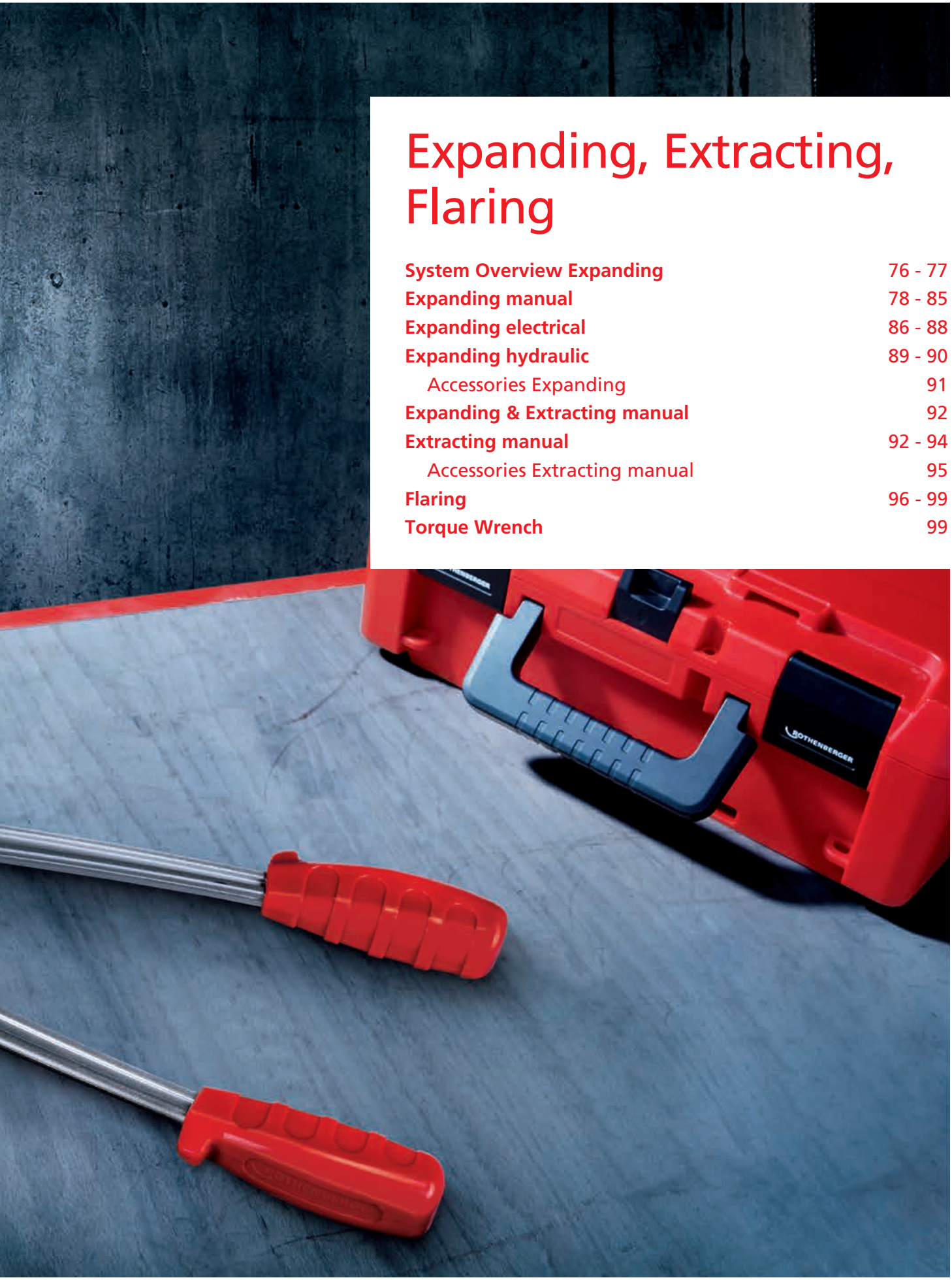
Standard Bender 180°		at 45°		at 90°		at 180°	
for Ø mm / Inch	Bending radius R (mm)	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm	Reserve length L_R mm	Minimum length L_M mm
6	18.0	7.0	0.8	18.5	8.0	18.5	20.0
10	30.0	11.5	1.3	30.5	14.5	30.5	34.0
12	36.0	14.0	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			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

*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


ROTHENBERGER
Power Torque

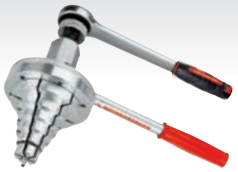


Expanding, Extracting, Flaring

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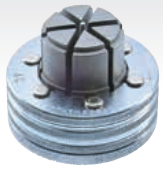
System Overview

Expander

	ROCAM® Expander Power Torque	ROLOCK Expander Power Torque	Expander A0	Step Expander A1
				
Operation mode:	Manual	Manual	Manual	Manual
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 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 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 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	**80, 81**	**80, 81**	**84**	**86**

	ROMAX® Expander AC ECO MAXI	ROMAX® Expander Compact	H 600
			
Operation mode:	Electro-hydraulic	Electro-hydraulic	Hydraulic
Working range: Copper	Ø 35-108 mm (1.3/8-4.1/8") ⇢⊙ 2.5 mm, soft, semi-soft	Ø 8-67 mm (5/16-2.1/2") ⇢⊙ 2.0 mm, soft	Ø 8-110 mm (5/16-4.1/4") ⇢⊙ 3 mm, soft, semi-soft
Working range: Aluminium	Ø 35-108 mm (1.3/8-4.1/8") ⇢⊙ 2.5 mm, soft	Ø 8-67 mm (5/16-2.1/2") ⇢⊙ 2.0 mm, soft	Ø 8-110 mm (5/16-4.1/4") ⇢⊙ 3 mm, soft, semi-soft
Working range: Precision steel	–	Ø 8-67 mm (5/16-2.1/2") ⇢⊙ 1.0 mm, soft	Ø 8-110 mm (5/16-4.1/4") ⇢⊙ 3 mm, soft, semi-soft
Working range: Stainless steel	–	Ø 8-15 mm ⇢⊙ 1.0 mm, soft	Ø 8-110 mm (5/16-4.1/4") ⇢⊙ 3 mm, soft, semi-soft
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Expander Heads

	Expander Head Standard	Expander Head ROLOCK	Expander Head Typ S	Riveted Expander Head
				
Working range: Copper	Ø 8-42 mm (5/16-1.3/4") ⇢ 1.6 mm, soft, semi-soft	Ø 8-42 mm (5/16-1.3/4") ⇢ 1.6 mm, soft, semi-soft	Ø 22-67 mm (1-2.1/2") ⇢ 2.5 mm, soft, semi-soft	Ø 15-38 mm ⇢ 1.5 mm, soft, semi-soft
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	–
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	Expander Head H2, Typ 2	Expander Head H2, Typ 3	Step Expander Head
			
Working range: Copper	Ø 28-70 mm (1.1/8-2.3/4") ⇢ 2.5 mm, soft, semi-soft	Ø 70-110 mm (2.3/4-4.1/4") ⇢ 3.0 mm, soft, semi-soft	Ø 35-108 mm (1.3/8-4.1/8") ⇢ 2.5 mm, soft, semi-soft
Working range: Aluminium	Ø 28-70 mm (1.1/8-2.3/4") ⇢ 2.5 mm, soft, semi-soft	Ø 70-110 mm (2.3/4-4.1/4") ⇢ 3.0 mm, soft, semi-soft	Ø 35-108 mm (1.3/8-4.1/8") ⇢ 2.5 mm, soft
Working range: Precision steel	Ø 28-70 mm (1.1/8-2.3/4") ⇢ 2.5 mm, soft, semi-soft	Ø 70-110 mm (2.3/4-4.1/4") ⇢ 3.0 mm, soft, semi-soft	–
Working range: Stainless steel	Ø 28-70 mm (1.1/8-2.3/4") ⇢ 2.5 mm, soft, semi-soft	Ø 70-110 mm (2.3/4-4.1/4") ⇢ 3.0 mm, soft, semi-soft	–
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Expanding manual

ROCAM® 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-soft):	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
- Fine adjustment of the capillary gap
- **EPT® – 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!





EPT®-Technology – concealed bent lever

ROCAM® EXPANDER Power Torque		kg	No.
Expander tool (without expander heads) for expander heads up to 42 mm / 1.3/4"	1	1.0	12000

ROCAM® EXPANDER Power Torque Sets

ROCAM® EXPANDER Power Torque sets include: Expander heads, ROCAM® EXPANDER Power Torque (No. 12400), internal and external deburrer (No. 11006), in a steel carrying case (No. 24022), plastic inlay (No. 11002)



ROCAM® EXPANDER Power Torque sets Model		kg	No.
12 - 15 - 18 - 22 mm	1	2.9	12300
10 - 12 - 15 - 18 - 22 mm	1	3.3	12302
12 - 15 - 18 - 22 - 28 mm	1	3.3	12303
10 - 12 - 16 - 18 - 22 mm	1	3.3	12304
10 - 12 - 16 - 22 - 28 mm	1	3.3	12305
12 - 14 - 16 - 18 - 22 mm	1	3.3	12309
12 - 14 - 16 - 18 - 22 - 28 mm	1	3.3	12310
10 - 12 - 14 - 16 - 18 - 22 mm	1	3.6	12311
3/8 - 1/2 - 5/8 - 3/4 - 1"	1	3.3	12317
3/8 - 1/2 - 5/8 - 3/4 - 7/8 - 1.1/8"	1	3.6	12318
1/2 - 5/8 - 3/4 - 7/8"	1	2.9	12321
12 - 16 - 18 - 22 - 28 mm	1	3.2	12322
3/8 - 1/2 - 3/4 - 1"	1	3.2	12323
1/2 - 5/8 - 7/8 - 1.1/8"	1	3.0	12324
12 - 15 - 18 - 22 - 28 - 35 - 42 mm	1	4.2	12326
15 - 22 - 28 mm	1	2.9	12327
15 - 22 mm	1	2.5	12328
1/2 - 3/4 - 1"	1	2.9	12335
10 - 12 - 15 - 16 - 18 - 22 - 28 mm	1	3.6	12337
12 - 14 - 16 - 18 - 22 - 28 - 32 mm	1	3.7	12338
15 - 18 - 22 - 28 - 35 - 42 mm	1	4.0	12339

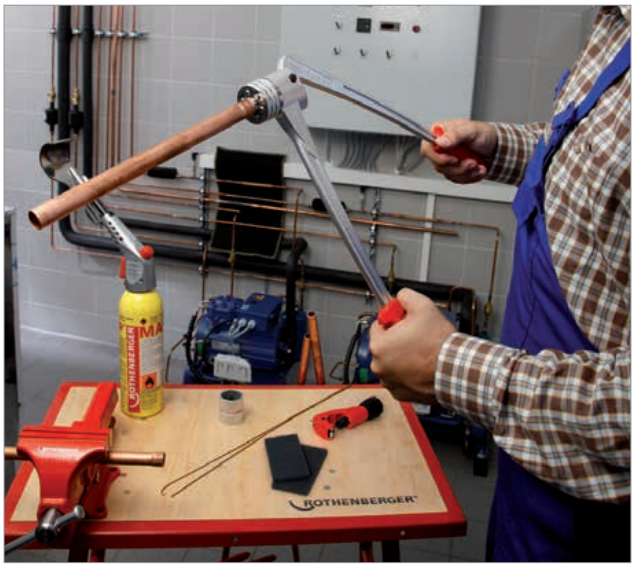
ROCAM® EXPANDER Power Torque sets		kg	No.
3/8 - 1/2 - 5/8 - 3/4 - 7/8 - 1 - 1.1/8"	1	3.7	12336
3/8 - 1/2 - 5/8 - 3/4" - 22 - 28 mm	1	3.6	12320
3/8 - 1/2 - 5/8 - 3/4 - 7/8 - 1.1/8 - 1.3/8"	1	4.5	12341

Quality protection against wear with the TiN sealed pin drive



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



ROCAM® PE-X EXPANDER Power Torque

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

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

Model	kg	No.
ROCAM® EXPANDER PE-X w/o Expander heads	1	12005



* Feasibility, delivery times and price for custom pipe-Ø are available upon request

Expanding manual

ROLOCK EXPANDER Power Torque

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

Product Profile

APPLICATION AREA

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

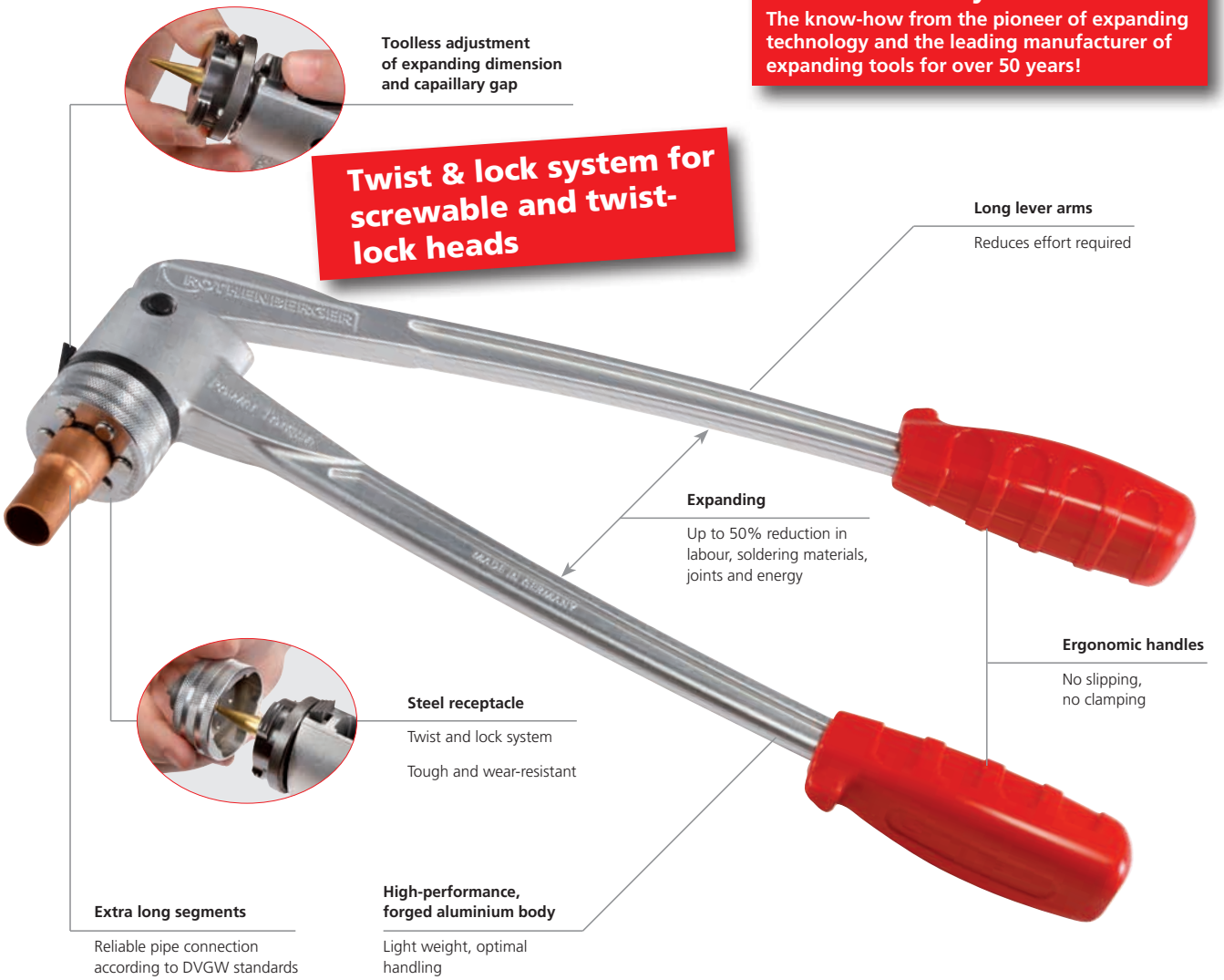
Suitable for pipes made of:

Copper (soft and semi-soft):	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
- Fine adjustment of the capillary gap
- **EPT® – concealed bent lever**

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ROLOCK EXPANDER Power Torque		kg	No.
Expander tool (without expander heads) for expander heads up to 42 mm / 1.3/4"	1	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), in a steel carrying case (No. 24022), plastic inlay (No. 11002)



New expander head for guide change between nominal diameters



Expander heads with screw top applicable

ROLOCK EXPANDER Power Torque sets

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

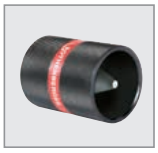
EPT®-Technology (Enclosed Power Transmission)
The expander head offers the following technical benefits:
Concealed bent lever:
Protection against dirt and external mechanical damage
Energy efficient through optimised force transmission:
Ergonomic, highly optimised force flow in relation to the hand force of the user, therefore reducing effort

For efficient, fitting-free installation of pipes



ACCESSORIES







Model		Model	
Expander heads for ROLOCK EXPANDER Power Torque	83	Expander adaptor type S	85
Expander heads type S / riveted expander heads	85	Brazing solder	177 - 179
Pipe cutter	14 - 25	High-Performance torch (SUPER FIRE 3 with MAPP®-GAS)	148 - 151
Internal / External deburrer	31		

Expanding manual

Standard Expander Head

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

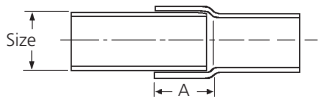
Made in Germany!
The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools for over 50 years!

Product Profile

KEY FEATURES

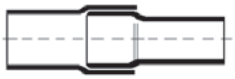
- 50% reduction in labour, soldering materials and soldered joints
- Depth of the flare is consistent with DVGW standards
- Guide guarantees a perfect centred position and uniform capillary gap
- Tough and long lasting with the hardened segments

Expansion of pipe ends



Flare depth in mm

Reduction



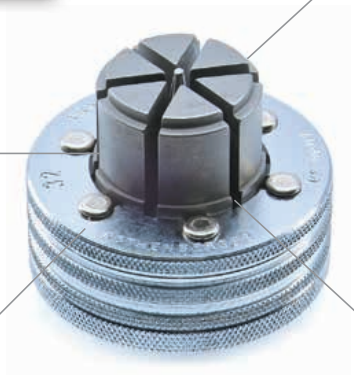
Also suitable for uneven pipes

4

Fits similar expanders from other brands as well!

Step at the end of the segments

Enables re-calibration of irregular pipes and fittings



Specially hardened segments

Tough and long lasting

6 Rivets and guide channels

Guide guarantees a perfect centred position and uniform capillary gap



Extra long segments

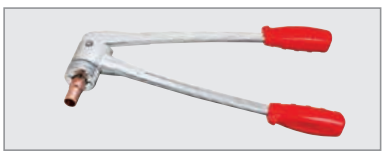
Depth of the flare is consistent with DVGW standards

mm	max. wall thickness mm (soft) Cu	Al	Fe	Inox	A mm	g	No.
8	1.0	1.0	1.0	1.0	6.0	120	11008
10	1.0	1.0	1.0	1.0	10.0	120	11010
12	1.2	1.2	1.2	1.0	12.6	120	11012
14	1.2	1.2	1.2	1.0	12.6	120	11014
15	1.2	1.2	1.2	1.0	15.5	120	11015
16	1.2	1.2	1.2	1.0	15.5	120	11016
18	1.2	1.2	1.2	1.0	17.5	120	11018
20	1.2	1.2	1.2	1.0	17.5	140	11020
22	1.2	1.5	1.5	1.0	20.5	140	11022
28	1.5	1.5	1.5	–	18.5	390	11028
32	1.5	–	–	–	19.5	410	11032
35	1.6	–	–	–	19.5	430	11035
38	1.6	–	–	–	19.5	450	11038
40	1.5	–	–	–	19.5	470	11040
42	1.5	–	–	–	19.5	470	11042

inch	max. wall thickness mm (soft) Cu	Al	Fe	Inox	A mm	g	No.
5/16"	1.0	1.0	1.0	1.0	6.0	120	11008
3/8"	1.0	1.0	1.0	1.0	7.4	120	11052
1/2"	1.2	1.2	1.2	1.0	11.0	120	11053
5/8"	1.2	1.2	1.2	1.0	14.0	120	11054
3/4"	1.2	1.2	1.2	1.0	18.1	120	11055
7/8"	1.2	1.2	1.2	1.0	18.0	140	11056
1"	1.5	1.5	1.5	–	15.8	150	11057
1.1/8"	1.6	1.6	1.6	–	17.0	390	11058
1.1/4"	1.6	–	–	–	17.0	410	11059
1.3/8"	1.6	–	–	–	17.0	430	11035
1.1/2"	1.6	–	–	–	17.0	450	11038
1.5/8"	1.6	–	–	–	17.5	470	11062
1.3/4"	1.6	–	–	–	17.5	500	11063

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

Suitable for ROTHENBERGER ROCAM® EXPANDER Power Torque







Model		Model	
ROCAM® EXPANDER Power Torque	78 - 79	Electro-Hydraulic Expander Pistol H1	90
ROMAX® EXPANDER Compact	87 - 88	COMBI KIT Expander / Tee-Extractor	92

ROLOCK Expander Head

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

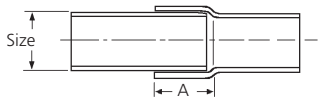
Made in Germany!
The know-how from the pioneer of expanding technology and the leading manufacturer of expanding tools for over 50 years!

Product Profile

KEY FEATURES

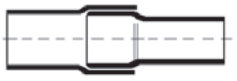
- 50% reduction in labour, soldering materials and soldered joints
- Depth of the flare is consistent with DVGW standards
- Guide guarantees a perfect centred position and uniform capillary gap
- Tough and long lasting with the hardened segments

Expansion of pipe ends



Flare depth in mm

Reduction



Also suitable for uneven pipes

4

Twist & lock heads for ROLOCK EXPANDER Power Torque

Specially hardened segments

Tough and long lasting

6 Rivets and guide channels

Guide guarantees a perfect centred position and uniform capillary gap



Step at the end of the segments

Enables re-calibration of irregular pipes and fittings



Extra long segments

Depth of the flare is consistent with DVGW standards

mm	max. wall thickness mm (soft) Cu	Al	Fe	Inox	A mm	g	No.
8	1.0	1.0	1.0	1.0	6.0	120	12408
10	1.0	1.0	1.0	1.0	10.0	120	12410
12	1.2	1.2	1.2	1.0	12.6	120	12412
14	1.2	1.2	1.2	1.0	12.6	120	12414
15	1.2	1.2	1.2	1.0	15.5	120	12415
16	1.2	1.2	1.2	1.0	15.5	120	12416
18	1.2	1.2	1.2	1.0	17.5	120	12418
20	1.2	1.2	1.2	1.0	17.5	140	12420
22	1.2	1.5	1.5	1.0	20.5	140	12422
28	1.5	1.5	1.5	–	18.5	390	12428
32	1.5	–	–	–	19.5	410	12432
35	1.6	–	–	–	19.5	430	12435
38	1.6	–	–	–	19.5	450	12438
40	1.5	–	–	–	19.5	470	12440
42	1.5	–	–	–	19.5	470	12442

inch	max. wall thickness mm (soft) Cu	Al	Fe	Inox	A mm	g	No.
5/16"	1.0	1.0	1.0	1.0	6.0	120	12408
3/8"	1.0	1.0	1.0	1.0	7.4	120	12452
1/2"	1.2	1.2	1.2	1.0	11.0	120	12453
5/8"	1.2	1.2	1.2	1.0	14.0	120	12454
3/4"	1.2	1.2	1.2	1.0	18.1	120	12455
7/8"	1.2	1.2	1.2	1.0	18.0	140	12456
1"	1.5	1.5	1.5	–	15.8	150	12457
1.1/8"	1.6	1.6	1.6	–	17.0	390	12458
1.1/4"	1.6	–	–	–	17.0	410	12459
1.3/8"	1.6	–	–	–	17.0	430	12435
1.1/2"	1.6	–	–	–	17.0	450	12438
1.5/8"	1.6	–	–	–	17.5	470	12462
1.3/4"	1.6	–	–	–	17.5	500	12463

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

Suitable for ROTHENBERGER ROLOCK EXPANDER Power Torque

Model		Model	
ROLOCK Expander Power Torque	80	COMBI KIT Expander / Tee-Extractor	92

Expanding manual

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

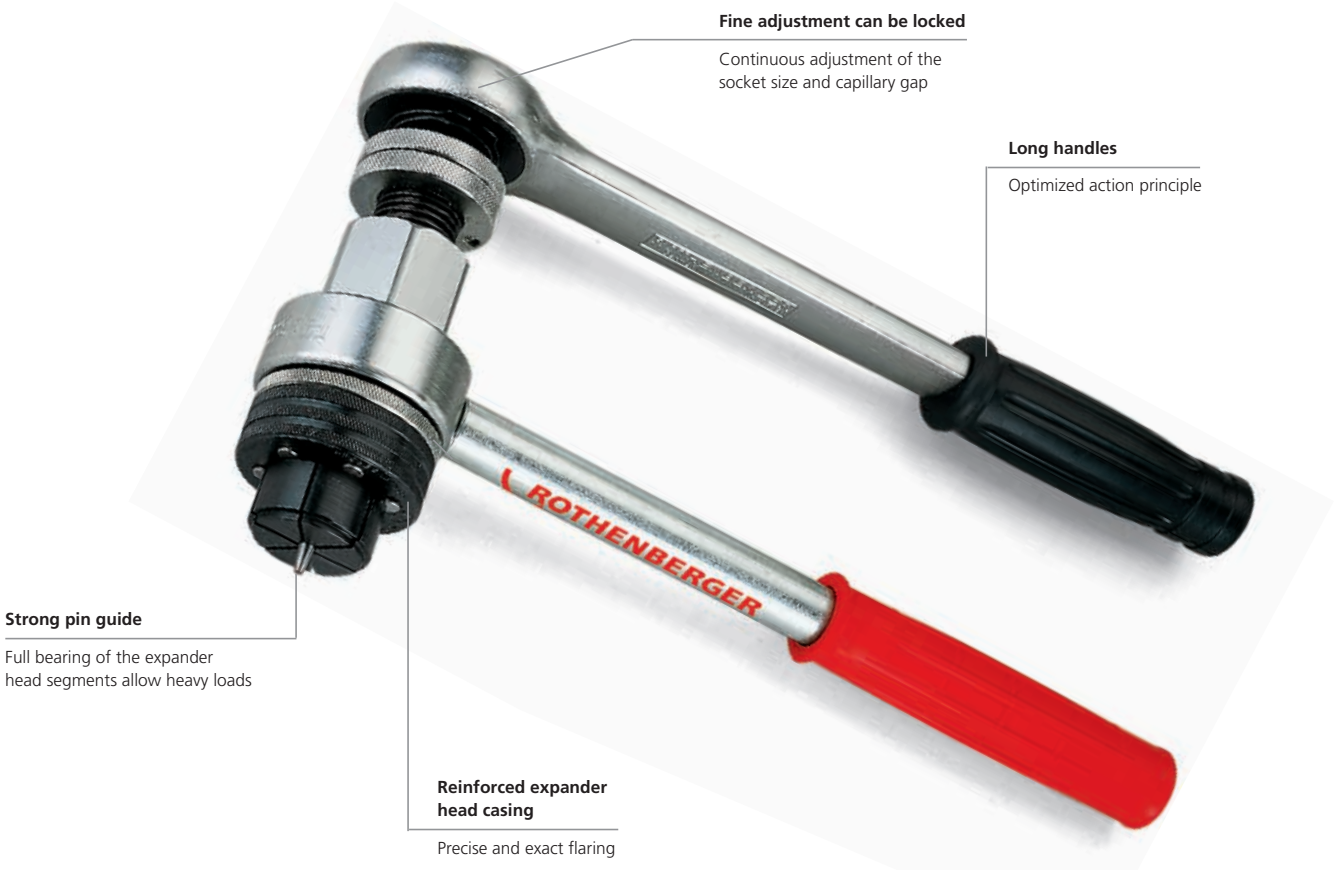
Suitable for pipes made of:

Copper and Aluminium: (soft, semi-soft)	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 ROCAM® EXPANDER power torque
- Precise and exact flaring
- Full bearing of the expander head segments allows heavy loads
- Continuous adjustment of the socket size and capillary gap
- Optimized action principle with long handles



EXPANDER A0 sets (No. 11400) include: Expander head Type S, special ratchet (No. 27181), in steel case (No. 27210)
EXPANDER A0 Basic Unit (No. 11004) scope of delivery: Square drive mechanism 3/4" with handle, without expander head and ratchet

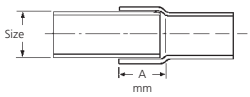
Model	Size	kg	No.
EXPANDER A0 set	35 - 42 - 54 - 64 mm	8.12	11400
EXPANDER A0 basic unit		1.97	11004



Fig. EXPANDER A0 set

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

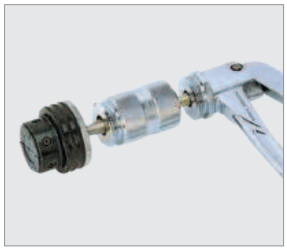
mm	max. wall thickness mm Cu	Al	Fe	Inox	A-size mm		No.
22	2.0	2.0	1.5	1.5	18.5	350	11323
25	2.0	2.0	1.5	1.5	18.5	350	11325
28	2.0	2.0	1.5	1.5	19.5	360	11328
32	2.0	2.0	1.5	1.5	19.5	380	11332
35	2.0	2.0	1.5	1.5	19.5	400	11335
36	2.0	2.0	1.5	1.5	19.5	400	11336
42	2.0	2.0	1.5	1.5	19.5	450	11342
54	2.5	2.5	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		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





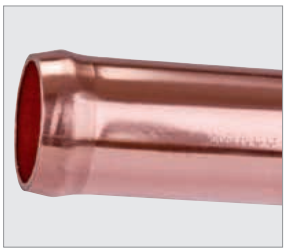
Allows the use of the expander heads Type S with copper pipe (soft) up to 67 mm and/or 2.1/2"!

Model	max.	max. mm	g	No.
Adaptor Typ 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
38	1.5	41	6	430	11978

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

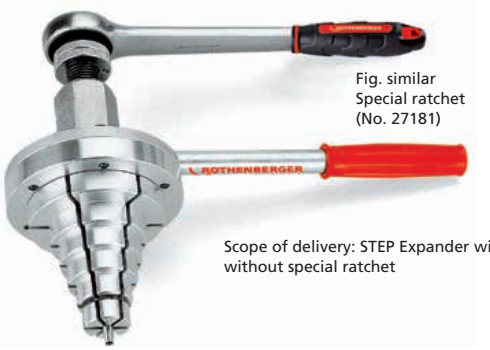


Fig. similar
Special ratchet
(No. 27181)

Scope of delivery: 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

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
- Guide guarantees a perfect centred position and uniform capillary gap with 6 rivets and guiding ridge

ROMAX® EXPANDER AC ECO MAXI

Electro-hydraulic expander with constant axial thrust, 230 Volt connection. For expanding and calibrating pipes up to Ø 108 mm (4.1/8”), as well as producing reductions

Product Profile

APPLICATION AREA

Suitable for pipes made of:

Copper (soft, semi-soft): Ø 35 - 108 mm (1.3/8” - 4.1/8”)
Aluminium: max. wall thickness: 2.5 mm

KEY FEATURES

- Optimally suited for batch production and large building sites
- Constant thrust with CFT®
- User safety with the easy to reach emergency stop switch

KEY FEATURES

- Long service life and high functional safety
- The expansion / calibration takes place after pressing and holding the switch
- Large working radius with the 5 m long cable

TECHNICAL DATA

Weight: ca. 13.7 kg
Motor: 230 V / 50 Hz

Article available upon request![2)]

Balanced weight distribution

Secure hold in every working position, ideal for one-handed use

Emergency stop switch

High user safety due to the interruption of the feed and the discharge of the expander head



Fully automatic expanding process

6-fold step expander

Expands without changing tools from 35 up to 108 mm (1.3/8 - 4.1/8”)

2. Switch directly within reach

Various holding positions possible, even in confined spaces (over head)

CFT®
(Constant Force Technology)

For a constant axial thrust

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

[2)] Availability, delivery time and price of custom products for other pipe diameters available on request

ROMAX® EXPANDER Compact

Compact, electro-hydraulic expander with a constant axial thrust of 19 kN and 12 Volt battery for portable operation, for expanding, reducing and calibrating pipes up to Ø 67 mm (2.1/2")



Product Profile

APPLICATION AREA

Suitable for pipes made of:

Copper, Aluminium (soft):	max. Ø 67 mm or 2.1/2" max. wall thickness 2 mm
Aluminium and Precision steel (soft):	max. Ø 67 mm or 2.1/2" max. wall thickness 1 mm
Stainless steel:	max. Ø 15 mm max. wall thickness 1 mm

Aluminium and precision steel (soft) up to max. 1 mm wall thickness

KEY FEATURES

- Accurate adjustment of the capillary gap
- Specially matched for expander heads Type Standard, Type S or PE-X for excellent expansion results
- User safety with the easy to reach emergency switch
- Reliable hold in any position

TECHNICAL DATA

Dimensions:	only 370 x 70 x 90 mm
Weight:	approx. 2.6 kg
Power supply:	Li-ion battery 14.4 V / 2.6 Ah Mains adaptor 230 V / 50-60 Hz 110 V on request
Working temperature:	– 10° up to + 60° C



CFT® (Constant Force Technology) for a constant axial thrust

Expansion up to Ø 67 mm (copper) on Ø 15 mm (stainless steel)

Internal piston block

Increases the operating life of the expander head, only the actual power needed is conveyed to the expander head

Li-ion technology

Up to 100% more expansions[2)]

Toolless KSO adjustment possible

Accurate adjustment of the capillary gap

Matched pin for each type of expander head

Specially matched for the Expander heads, Type Standard, Type S or PE-X for excellent expansion results

Balanced weight distribution

Reliable hold in any position, ideal for one-handed operation

Emergency stop switch

High user safety with the immediate halt of the feed and reduction of the expander head load

Battery operation

Portable operation with battery and AC adaptor (accessories)

High savings potential

- Efficient, fitting-free installation of pipes in sanitary, heating, gas, refrigeration and air-conditioning systems
- Eliminates the cost of purchase and storage of fittings
- 50% reduction of soldering materials and energy

All-round application

- Expander head receiver is compatible with ROTHENBERGER expander heads
- Choice between the expander head standard, Type S or PE-X

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

[2)] in comparison to ROTHENBERGER NiMh battery

ROMAX® EXPANDER Compact Basic Sets

5-part Basic Set I includes: ROMAX® EXPANDER Compact (No. 015714P), 1 Li-Ion- battery 14,4 V / 2.6 Ah (No. 15418), quick charger (No. 15017), Graphit grease (No. 26498), plastic carrying case (No. 015016L) without expander heads

All ROMAX® EXPANDER Compact with a Li-ion battery!

DUAL-POWER 14.4 or 230 V

4

5 m cable length!

Large working radius



Fig. Power supply unit 230 V (accessory) with 5 m long cable (No. 15037)



Fig. Similar, ROMAX® EXPANDER Set Basic

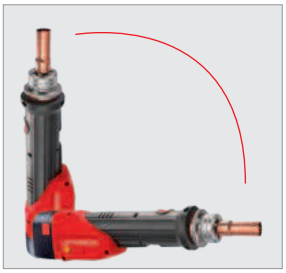
Universal adaptor for ROTHENBERGER Expander Heads



Compatible with ROTHENBERGER Expander Heads



Workbench function with the stable surface support



Emergency stop switch



Model	Description		kg	No.
ROMAX® Expander Compact Basic set I	expander heads standard	1	1.11	15714
ROMAX® Expander Compact Basic set II	expander heads type S	1	1.11	15715
ROMAX® Expander Compact Basic set II	expander heads type S	1	1.11	15716

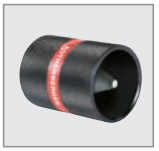
Expander heads / PE-X expander heads see 93

ACCESSORIES













Description	No.	Description	
ROMAX® EXPANDER Compact Li-Ion battery 14.4 V / 2.6 Ah	15418	Internal / External deburrer	31
ROMAX® EXPANDER Compact charger 230 V	15017	Brazing (SUPER FIRE 3 with MAPP®-GAS)	148 - 151
ROMAX® EXPANDER Compact power supply	15037	Brazing solder	177 - 179
		Pipecutter	14 - 25

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 / 1200 W

4



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, 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

Scope of delivery (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)
Scope of delivery (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 System complete, without heads	36.0	13100
Hydraulic Tool H 600	33.1	13002
Foot pedal H 600 with 3 m cable	0.5	12013

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

Expanding hydraulic

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 Typ S: (with adaptor No. 11007)	Ø 22 - 67 mm, 1 - 2.1/2″ max. wall thickness 2.5 mm

Scope of delivery: 2.5 m control cable (No. F88928), hydraulic hose (No. 12023), Adjusting tool (No. 12017), hydraulic oil 1 l (No. 58185)

Model	kg	No.
Electro-Hydraulic Expander Pistol H 1	2.9	12001
S-Head adaptor for H 1	0.6	11007
Adjusting tool for H 1	0.9	12017

ACCESSORIES

Model	kg	No.
Expander head H2/Type 3, 70 - 110 mm	3.0	12080
Expander head H2/Typ 2, 28 - 70 mm	2.5	12078
S-Head adaptor for H 2	1.1	12097
Adjusting tool for H2	0.9	12018



Expander Pistol H
(No. 12001)

Adaptor (No. 11007)



Adaptor
(No. 12097)



Adjusting tool
(No. 12018)



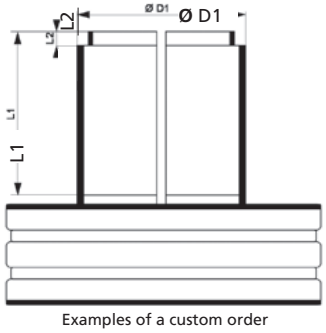
H 2 / Type 3

H 2 / Type 2

Custom-Made Products*
Riveted Expander Heads H2

Only one head necessary for every pipe diameter.
When ordering, please fill out form and state the applicable dimensions L1 / L2 / D1

*** Availability, delivery time and price available on request!**



Examples of a custom order

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″!



No. 11007 Expander adaptor for ROCAM® EXPANDER Power Torque or Expander Pistol H1



No. 12097 Expander adaptor 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 H 2, Typ 2 u. 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  Similar to photo	▢	▢		▢	▢	●	▢

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

4

4

COMBI KIT Expander / Tee-Extractor

Practical, compact and cost-saving set combinations with with ROCAM and 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

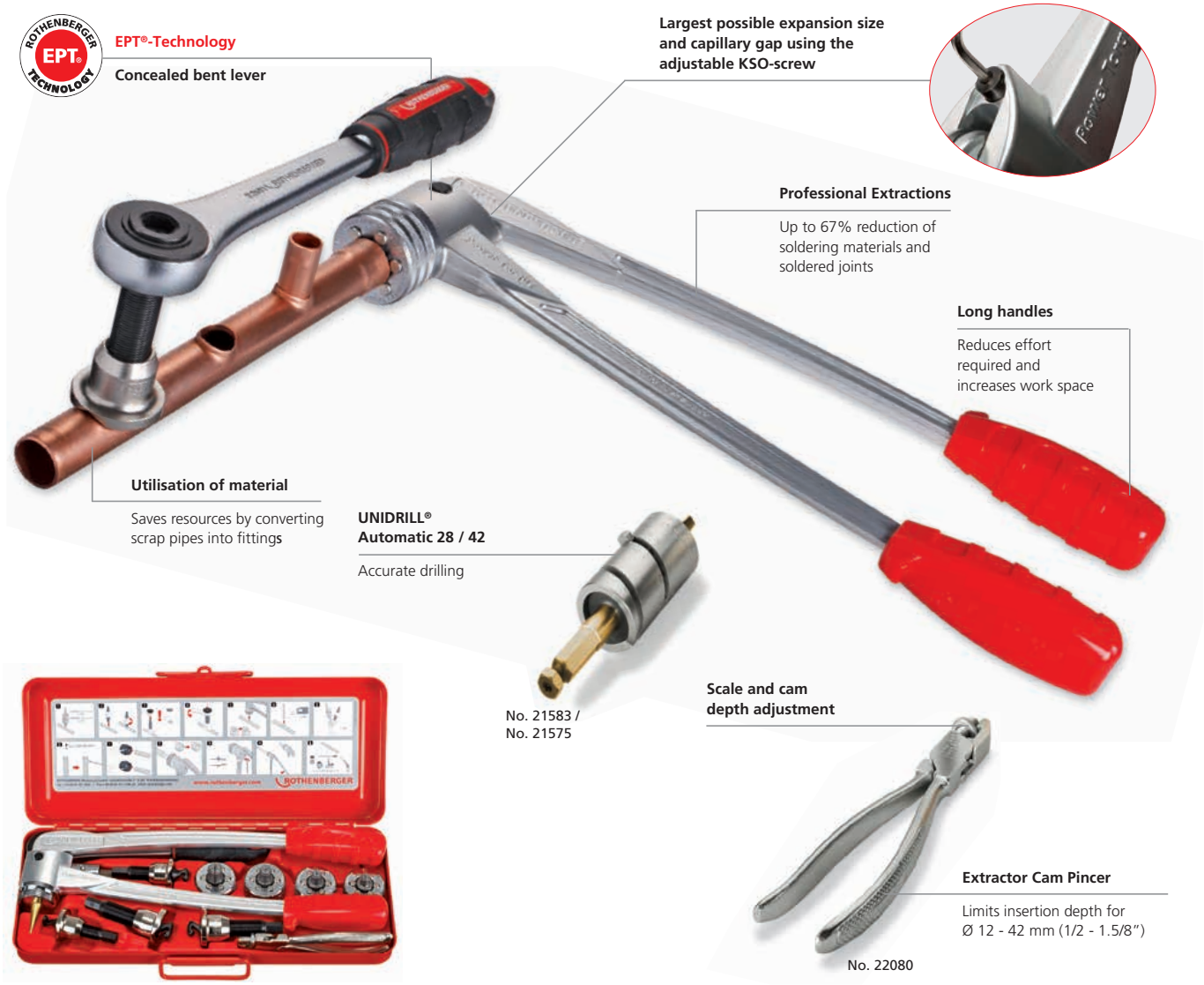
Suitable for pipes made of copper, aluminium and steel (soft): Ø 12 - 28 mm and 1/2 - 1.1/8"

KEY FEATURES

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

KEY FEATURES

- Fine adjustment of the capillary gap using the KSO-screw
- 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



COMBI KIT Set includes: ROCAM® EXPANDER Power Torque (No. 12000), Standard expander heads, tee-extractor, special ratchet (No. 22081), UNIDRILL® Automatic 28 (No. 21583), extractor cam pincer (No. 22080), steel carrying case (No. 24022)

Model	Description	kg		No.
COMBI KIT	12 - 15 - 18 - 22 mm	4.4	1	011180X
COMBI KIT	12 - 14 - 16 - 18 mm	2.6	1	011186X
COMBI KIT	1/2 - 5/8 - 7/8 - 1.1/8"	2.8	1	011194X

COMBI KIT Set includes: ROLOCK EXPANDER Power Torque (No. 12400), ROLOCK expander heads, tee-extractor, special ratchet (No. 22081), UNIDRILL® Automatic 28 (No. 21583), extractor cam pincer (No. 22080), steel carrying case (No. 24022)

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

Tee-Extractor Sets

For efficient production of T-branches (extractions) for fitting-free pipe installations, Ø 12 - 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-soft, hart):	10 - 42 mm, 3/8 - 2.1/8" max. wall thickness 2.5 mm
Aluminium:	10 - 42 mm, 3/8 - 2.1/8" max. wall thickness 2.5 mm
Precision steel:	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. 22081

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



Tee-Extractor sets include: Tee-Extractor according to chart, special ratchet (No. 22081), cam pincer (No. 22080) and special conical drill, UNIDRILL® Automatic 42 (No. 21575), in steel carrying case (No. 24022)

Model	Model	kg		No.
Tee-Extractor set 12 - 15 - 18 - 22 mm		3.4	1	22100
Tee-Extractor set 12 - 15 - 22 - 28 mm		3.6	1	22101
Tee-Extractor set 12 - 15 - 18 - 22 - 28 mm		3.9	1	22103
Tee-Extractor set 10 - 12 - 15 - 18 - 22 mm		3.5	1	22102
Tee-Extractor set 12 - 14 - 16 - 18 - 22 mm		3.6	1	22109
Tee-Extractor set 10 - 12 - 14 - 16 - 18 - 22 mm		3.7	1	22111
Tee-Extractor set 12 - 15 - 18 - 22 - 28 - 35 - 42 mm		5.5	1	22126
Tee-Extractor set 15 - 22 - 28 mm		3.6	1	22127
Tee-Extractor set 1/2 - 5/8 - 3/4 - 7/8"		3.4	1	22121
Tee-Extractor set 1/2 - 5/8 - 7/8 - 1.1/8"		3.7	1	22124
Tee-Extractor set 1/2 - 3/4 - 1"		3.3	1	22135

4

Tee-Extractor

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

Product Profile

KEY FEATURES

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



mm / inch	mm	Drill Ø 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 ■	1380	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

⬢ Sechskant ■ Vierkant

mm	g	No.
10	60	22210
12	70	22212
14	90	22214
15	90	22215
16	140	22216
18	140	22218
22	210	22222
28	220	22228
35	290	22235
38	290	22268
42	320	22242
54	560	22254

inch	g	No.
3/8"	60	22260
1/2"	70	22261
5/8"	140	22216
3/4"	140	22263
7/8"	200	22264
1"	210	22265
1.1/8"	220	22266
1.1/4"	270	22267
1.3/8"	290	22235
1.1/2"	290	22268
1.5/8"	320	22270
2"	520	22246
2.1/8"	560	22254



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.
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 ■	1380	22050
2.1/8"	2.5	30	19 ■	1380	22054
Accessories					
Socket 19 mm					F80053
Square connection 3/4"					F80054

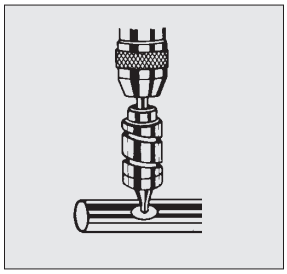
Spare Extractor Hooks

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

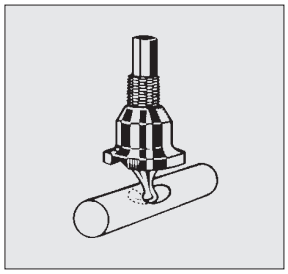


Note: For copper pipes (soft), the use of an extractor support is recommended! (95)

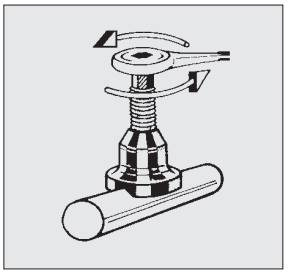
Precise drilling of the pipe without a centre punch – drill stop prevents perforation of the pipe



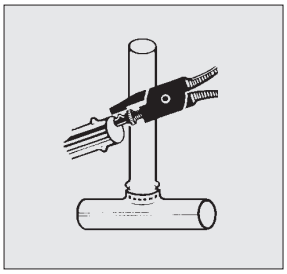
Insert extractor hook into the drilled hole and screw the bell firmly against the drill hole



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. 22081



No. 27181

Model	SW	g	No.
10 - 42 mm, 3/8 - 1.3/4"	11 mm	435	22081
50 - 54 mm, 2 - 2.1/8"	3/4" ■	1140	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

EVERCOOL

Drill and extraction paste

KEY FEATURES

- Longer tool life
- All-purpose use except for drinking water installation
- Suitable for aluminium and precision steel
- Easy application with the integrated pen for applying the paste



Model	Contents	g	No.
EVERCOOL	50 g	80	21549

UNIDRILL® Automatic 28 / 42

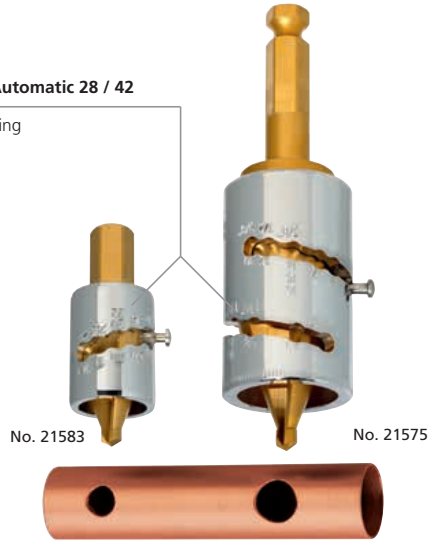
HSS special conical drill

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

Extractor Support

KEY FEATURES

- Prevents deformation during extraction, especially for soft pipe material

Extractor support plates

Prevents deformation during extraction





Main pipe	Branch pipe	g	No.
5/8"	1/2"	170	22153
3/4"	5/8"	250	22172
7/8"	3/4"	250	22157
1.3/8"	1.1/8"	350	22159

4

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

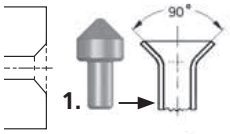
On copper, aluminium and steel pipes, seamless pipes and double-walled pipes, for example Bundy® pipe, and KUNIFER brake pipes

KEY FEATURES

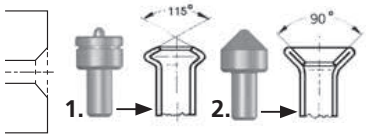
- Ideal for endless pipes
- For several flaring profiles, wall thickness 0.7 - 1 mm
- Universal use with the pluggable pressure cone
- Accurate and reproducible results
- Clamping block for several pipe diameters
- Reliable hold with the 25 mm pipe clamping length
- Suitable for clamping in a vice

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

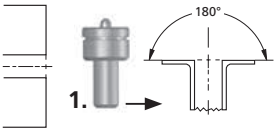
E- contour, simple flare:
- Standard flaring contour

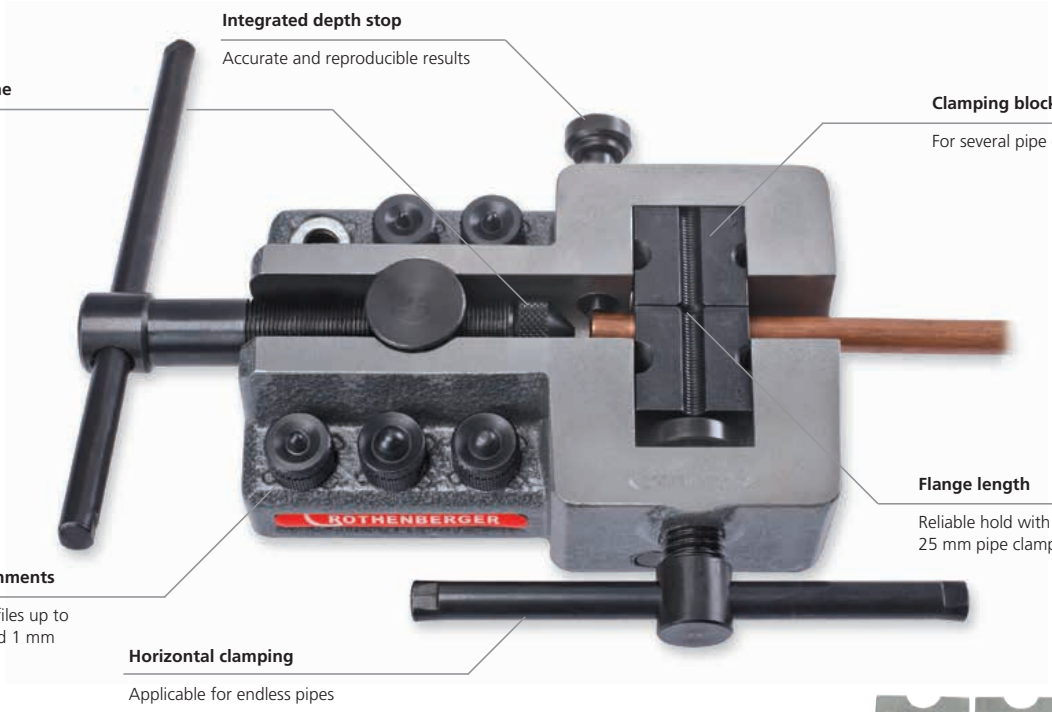


D-contour, double flare:
- Extension of brake and/or hydraulic lines
- Connection by means of coupling rings, sealed by means of flaring surface



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





Integrated depth stop
Accurate and reproducible results

Pluggable pressure cone
Universally insertable

Clamping block
For several pipe diameters

Flange length
Reliable hold with the 25 mm pipe clamping length

Pluggable flaring attachments
For several flaring profiles up to a wall thickness of 0.7 and 1 mm

Horizontal clamping
Applicable for endless pipes



No. 26016 No. 26015 No. 26017



No. 26010



No. 26011



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

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

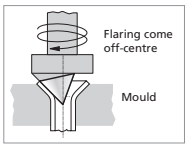
Description	mm	kg	No.
DB 10 set	4.75 - 5 - 6 - 8 - 9 - 10 mm	2.64	26013
Flaring attachment	4.75 / 5 mm	0.20	26001
Flaring attachment	6 mm	0.20	26002
Flaring attachment	8 mm	0.20	26003
Flaring attachment	9 mm	0.20	26004
Flaring attachment	10 mm	0.20	26005

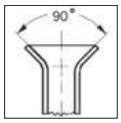
Description	mm	g	No.
Pressure cone		20	26010
Clamping spindle		90	26015
Flaring spindle		300	26016
Distance bolt		30	26017
Set of clamping blocks (2 pc.) for Pipes	4.75 - 5 - 6 - 8 - 9 - 10 mm	190	26011

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"



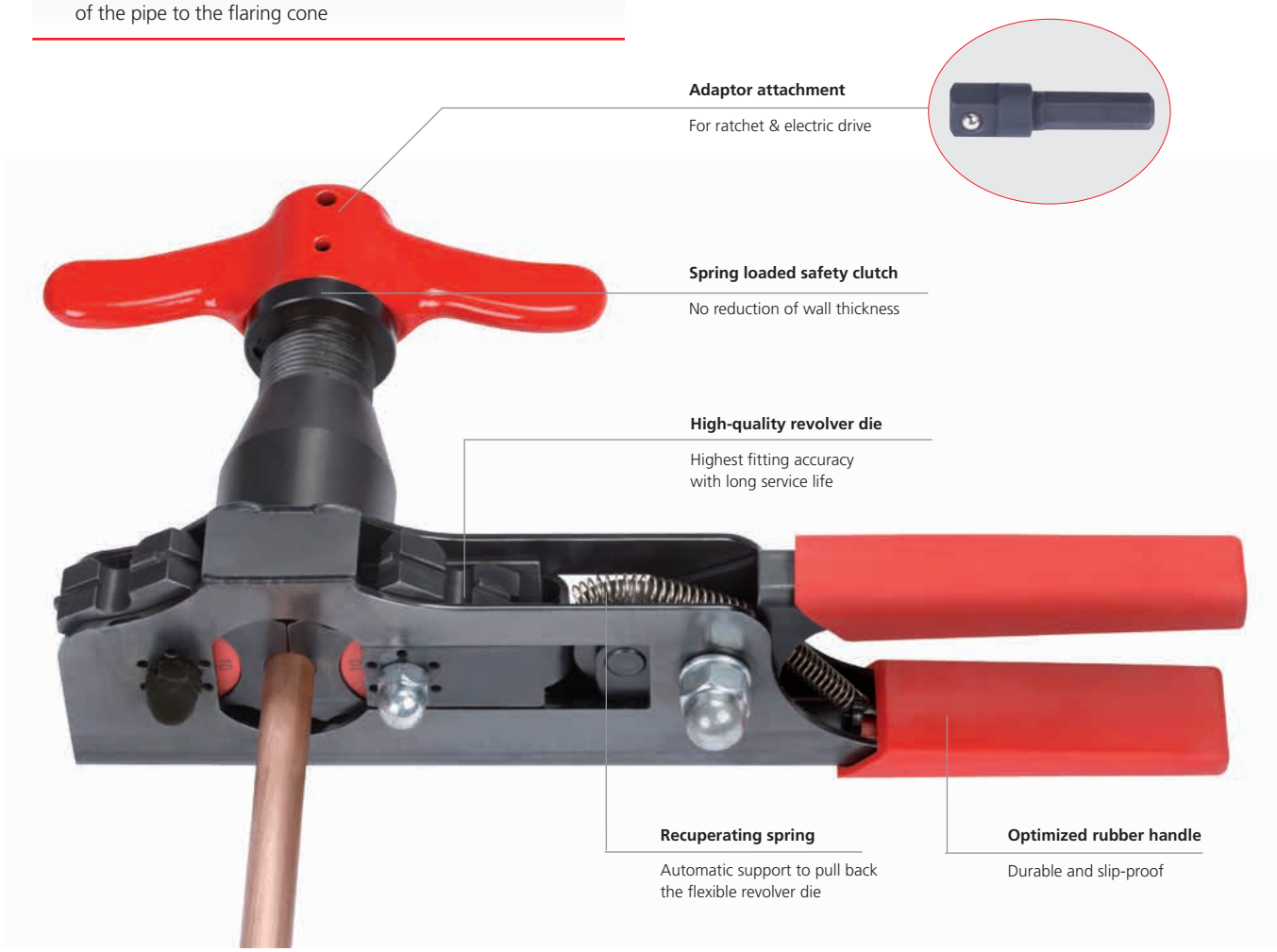


E-contur single flare

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



Set (1000000230) includes: ROFLARE REVOLVER metric incl. ratchet adaptor, dies Ø 6, 8, 10, 12, 16 and 18 mm, pipe cutter ROTRAC 28 PLUS CHROM Limited Edition (1000000046), in blister pack
Set (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 CHROM Limited Edition (1000000046), in blister pack

Model	No.
Set, metric with ROTRAC 28 PLUS CHROM Limited Edition	1000000230
Set, imperial with ROTRAC 28 PLUS CHROM 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



Flaring

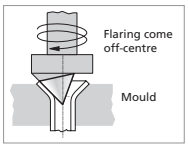
Reeling Flaring Tool

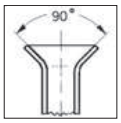
For producing precision 45° single flares on copper pipes Ø 6 - 18 mm (1/8 - 3/4")

Product Profile

KEY FEATURES

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





E-contur single flare

No. 222401, No. 222402, No. 222403

Square connection

For manual operation, for example cordless screwdriver

Spring-loaded slide coupling

No reduction in wall thickness



Flare cone rotates off-centre in needle bearings

Controlled expanding and shaping of the pipe end without tearing



Made from forged steel

Tough and long-lasting

Self-centring die

Highest flare precision

Adaptor for cordless screwdriver

Die available in metric and imperial sizes

Pipe will not slip



Reeling Flaring Tool set includes: Reeling Flaring Tool in plastic case with mould in metric and/or imperial format

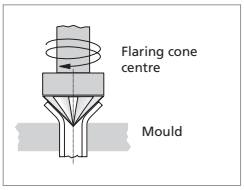
Model	mm / inch	No.
Set EB	6 - 8 - 10 - 12 - 14 - 15 - 16 - 18 mm	222401
	1/8 - 3/16 - 1/4 - 5/16 - 3/8 - 1/2 - 5/8 - 3/4"	
Set EB	1/8 - 3/16 - 1/4 - 5/16 - 3/8 - 1/2 - 5/8 - 3/4"	222402
Set EB	6 - 8 - 10 - 12 - 14 - 15 - 16 - 18 mm	222403
Dies		
metric	6 - 8 - 10 - 12 - 14 - 15 - 16 - 18 mm	222413
imperial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

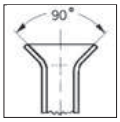
Universal Flaring Tool

For producing precision 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







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



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), steel carrying case (No. 24022)

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!

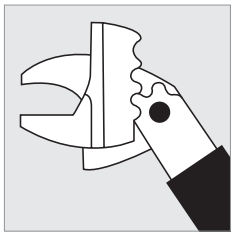


The torque can be read off

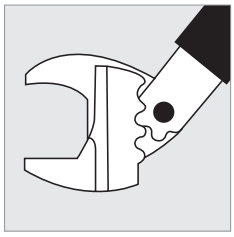
Always tighten according to the standard



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!

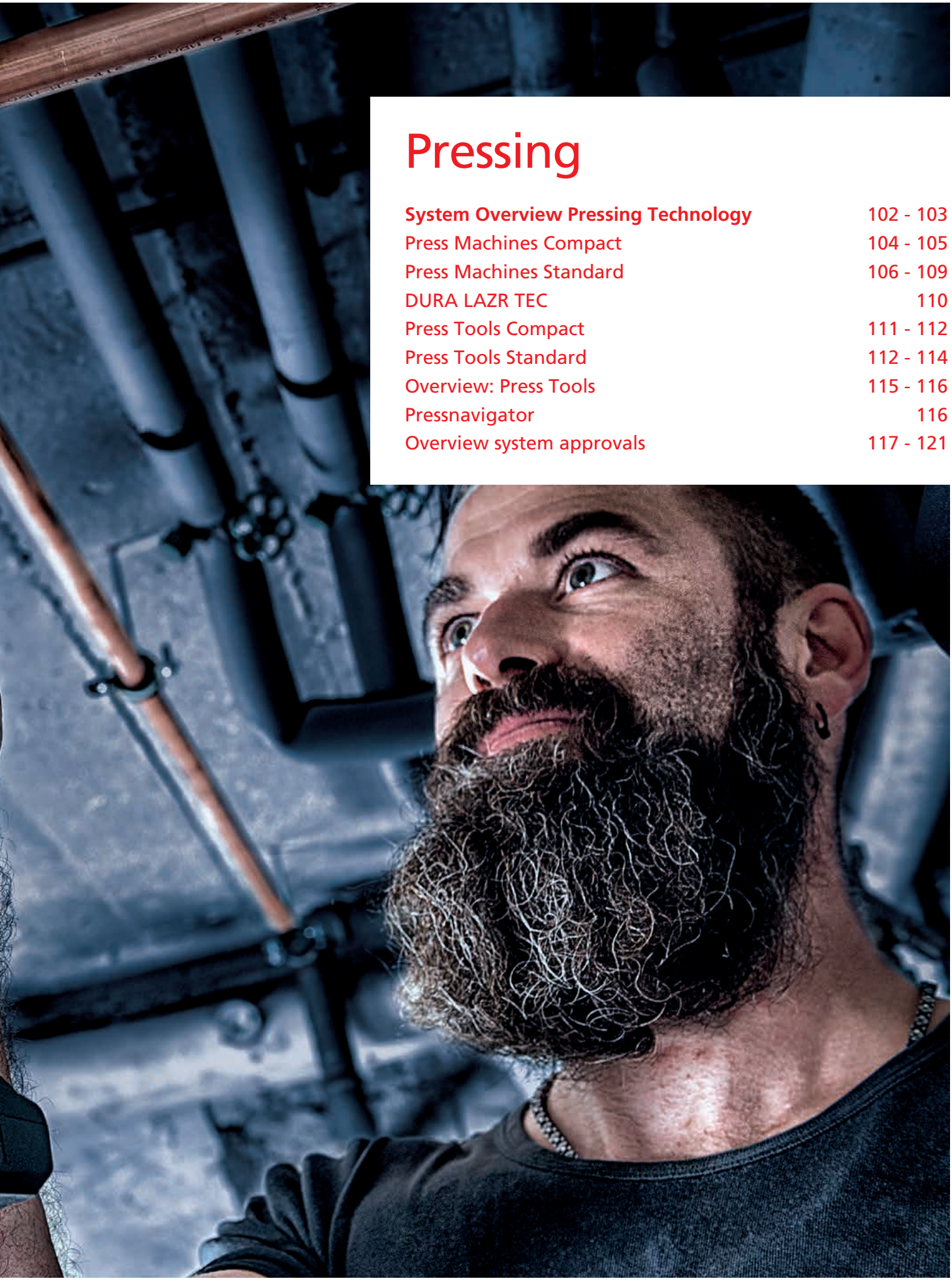


7 piece set (No. 175001) includes: spanner wrench sizes 17, 22, 24, 26, 27, 29 mm, torque wrench, carrying bag

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 piece	3.5	175001


TWIN TURBO
ROTHENBERGER
ROTHENBERGER



Pressing

System Overview Pressing Technology	102 - 103
Press Machines Compact	104 - 105
Press Machines Standard	106 - 109
DURA LAZR TEC	110
Press Tools Compact	111 - 112
Press Tools Standard	112 - 114
Overview: Press Tools	115 - 116
Pressnavigator	116
Overview system approvals	117 - 121

System Overview Pressing Technology

Press Machines

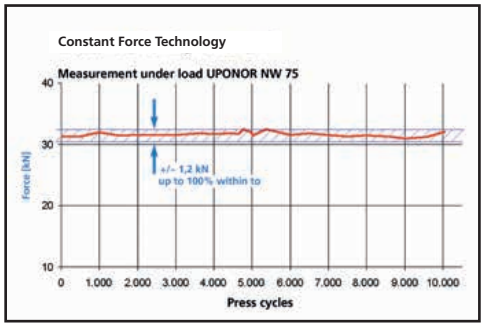
	ROMAX® COMPACT TT (Twin Turbo)	ROMAX® 4000	ROMAX® 3000 AC	ROMAX® AC ECO
				
Operation mode:	electrohydraulic	electrohydraulic	electrohydraulic	electrohydraulic
Jaw fixture rotatable:	270°	270°	270°	270°
CFT® (Constant Force Technology):	✓	✓	✓	✓
Controlled press cycle:	✓	✓	✓	–
Piston force / Hub:	19 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 sec.	5 sec.	5 sec.	7 sec.
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	106	108	109

5

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.

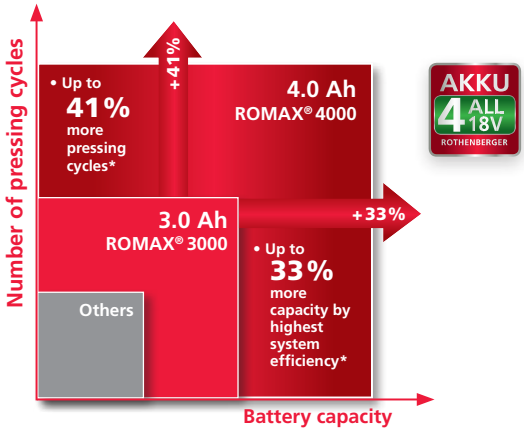
CFT® guarantees:
ROMAX® Compact TT 19-21 kN for 40,000 press cycles
ROMAX® AC ECO 32-34 kN for 10,000 press cycles
ROMAX® 4000 32-34 kN for 40,000 press cycles
ROMAX® 3000 AC 32-34 kN for 20,000 press cycles



Enter a new dimension of efficiency!

- Powerful 18 / 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 www.rothenberger.com/service.
RO SERVICE+ only valid in participating countries.

Press Jaws



	Press Jaws Compact	Interchangeable Press Jaws Compact	Press Jaws Standard	3-elemental Press Jaws	Press Collars
					
Working range metal:	Ø 12 - 35 mm	–	Ø 12 - 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:	✓	✓	✓	✓	✓
Page:	111	112	112	113	114

5

No system commitment

Users are free to decide which fitting systems they will press. They are also free to choose the manufacturer of the pressing machines and pressing 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 pressing tools or pressing 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 of 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

ROMAX® COMPACT TT (TWIN TURBO)

Electrohydraulic 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:	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 pre-assembly, 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 www.rothenberger.com/service.
RO SERVICE+ only valid in participating countries.

ROMAX® COMPACT TT Set Basic I EU

Set Basic 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.



Twin Turbo: What's behind it?

BALANCE

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

SIZE

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

POWER

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

5

Twin Turbo for high volume pressing



Twin Turbo for domestic installations



Twin Turbo for service installations



Model / Description	Press Jaws Ø mm		kg	No.
ROMAX® COMPACT TT Basic Set 1, 1 x 2 Ah, EU	(without press jaws)	1	4.9	1000002115
ROMAX® COMPACT TT Basic Set 2, 2 x 2 Ah, EU	(without press jaws)	1	5.3	1000002116
ROMAX® COMPACT TT Press Jaw Set SV, 1 x 2.0 Ah, EU	15 - 22 - 28	1	8.6	1000002117
ROMAX® COMPACT TT Press Jaw Set M, 1 x 2.0 Ah, EU	15 - 22 - 28	1	8.6	1000002118
ROMAX® COMPACT TT Press Jaw Set TH, 1 x 2.0 Ah, EU	16 - 20 - 26	1	8.8	1000002120
ROMAX® COMPACT TT Press Jaw Set U, 1 x 2.0 Ah, EU	16 - 20 - 25	1	8.6	1000002119
ROMAX® COMPACT TT Interchangeable Press Jaw Set TH, with 1 x 2 Ah battery, EU	16 - 20 - 26 - 32	1	6.9	1000002113
ROMAX® COMPACT TT Interchangeable Press Jaw Set U, with 1 x 2 Ah battery, EU	16 - 20 - 25 - 32	1	6.9	1000002112
ROMAX® COMPACT TT Interchangeable Press Jaw Set RFz, with 1 x 2 Ah battery, EU	16 - 20 - 25 - 32	1	6.9	1000002111
ROMAX® COMPACT TT Interchangeable Press Jaw Set CO, with 1 x 2 Ah battery, EU	12 - 16 - 20 - 25	1	6.9	1000002114
ROMAX® COMPACT TT Basic Set 1, 1 x 2 Ah, UK	(without press jaws)	1	4.9	1000002123
ROMAX® COMPACT TT Press Jaw Set M, with 1 x 2 Ah battery, UK	15 - 22 - 28	1	8.6	1000002123

ACCESSORIES

Model	No.
RO BP 18 V / 2.0 Ah Li-Ion Akku	1000001652
RO BP 18 V / 4.0 Ah Li-Ion Akku	1000001653
RO BC battery charger EU (230 V)	1000001654
RO BC battery charger UK (110 V)	1000001691
ROCASE case system for press jaws	1000002242
ROCASE case system for interchangeable inserts	1000002307

Press jaws & interchangeable press jaws starting on 111









ROMAX® 4000

Electro-hydraulic radial battery-powered press machine for the pressing of fittings up to Ø 110 mm[2] 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[2] and is therefore the perfect all-rounder amongst the ROTHENEBRGER 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 Collars:
  ROTHENEBRGER Press Collars Standard starting on page 114

[2] system dependent

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:	3.6 kg (without press jaw)
Piston force/-hub:	32 - 34 kN / 40 mm
Nominal size:	Ø 12 - 110 mm[2]
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

Light weight
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

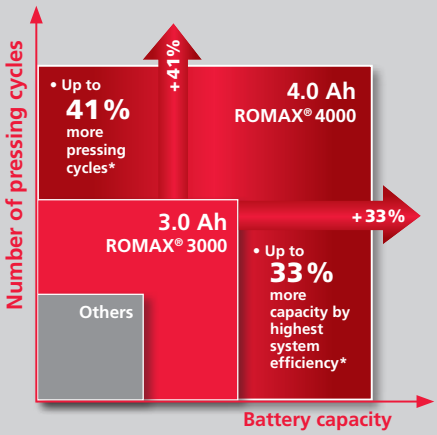
Up to 41% more pressing cycles*

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 www.rothenberger.com/service.
RO SERVICE+ only valid in participating countries.

ROMAX® 4000 Set Basic 1 EU

Set Basic 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.





Ergonomic working with the ROMAX® 4000



Productive working due to expanded service interval



RO „Cordless Technology“: One battery for the whole application



Model / Description	Press Jaws Ø mm		kg	No.
ROMAX® 4000 Basic Set 1 EU / in ROCASE case system with RO BP 1 x 4.0 Ah battery and battery charger	-	1	7.0	1000001840
ROMAX® 4000 Basic Set 2 EU / in ROCASE case system with RO BP 1 x 4.0 Ah + 1 x 2.0 Ah battery and battery charger	-	1	8.0	1000001923
ROMAX® 4000 Press Jaw Set SV, 1 x 4.0 Ah, EU	15 - 22 - 28	1	15.0	1000001924
ROMAX® 4000 Press Jaw Set M, 1 x 4.0 Ah, EU	15 - 22 - 28	1	15.0	1000001927
ROMAX® 4000 Press Jaw Set TH, 1x 4.0 Ah, EU	16 - 20 - 26	1	15.0	1000001925
ROMAX® 4000 Press Jaw Set U, 1 x 4.0 Ah, EU	16 - 20 - 25	1	15.0	1000001926
ROMAX® 4000 Basic Set 1 UK in ROCASE case system with RO BP 1 x 4.0 Ah battery and battery charger	-	1	7.0	1000001856
ROMAX® 4000 Press Jaw Set M, 1 x 4.0 Ah, UK	15 - 22 - 28	1	15.0	1000001932

ACCESSORIES

Model	No.
RO BP 18 V / 2.0 Ah Li-Ion battery	1000001652
RO BP 18 V / 4.0 Ah Li-Ion battery	1000001653
RO BC battery charger EU (230 V)	1000001654
RO BC battery charger UK (110 V)	1000001691
ROCASE case system 6414	1000001879

Compact & interchangeable press jaws starting on 111



ROMAX® 3000 AC

Electro-hydraulic press machine for mains operation for system dependent pressing of fittings up to Ø 110 mm[2] 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
- CFT® guarantees the necessary pressing force
- Extremely low weight, as well the 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

[2] **system dependent**

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]
Press jaw fixture:	270° rotation
Power supply:	230 V / 50-60 Hz, 110 V on request
Operating temperature:	- 15° C up to 60° C

PRESSING TOOLS

Press jaws:	ROTHENBERGER Standard Press Jaws, compatible with many other manufacturers starting on page 112
Pressing Collars:	ROTHENBERGER Pressing Collars on page 114



Batch production possible



Slim Design



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

Model	No.
ROMAX® 3000 AC Set Basic	1000001001

ACCESSORIES



Model	No.
ROCASE case system 6414, empty	1000001877
Press jaws, pressing collars starting on	**111**

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

ROMAX® AC ECO

Electro-hydraulic press machine for mains operation for system dependent pressing of fittings up to Ø 110 mm[2] with 32 - 34 kN

Product Profile

APPLICATION AREA

The ROMAX® AC ECO is light, easy to handle and is suitable 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
- CFT®
- Safety lock
- Emergency stop switch
- 5 m cable

[2] system dependent

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]
Press jaw fixture:	270° rotation
Power supply:	230 V / 50-60 Hz, 110 V on request

PRESSING TOOLS

Press Jaws:	ROTHENBERGER Standard Press Jaws, compatible with many other manufacturers starting on page 112
Pressing Collars:	ROTHENBERGER Pressing collars starting on page 114

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Fig. ROMAX® AC ECO Set with press jaws

Set Basic (No. 15705) include: ROMAX® AC ECO (230 Volt) ROCASE case system 6414 (No. 1000001959), without press Jaws.

Model	Description	Press Jaws Ø mm		kg	No.
ROMAX® AC ECO Set Basic I	in plastic carrying case ROCASE 6414	(without press jaws)	1	8.9	15705
ROMAX® AC ECO Set M	Set Basic 1 with press jaws type M (Mapress, et al.)	15 - 22 - 28	1	13.4	15750
ROMAX® AC ECO Set SV	Set Basic 1 with press jaws type SV (Viega, et al.)	15 - 22 - 28	1	13.4	15740
ROMAX® AC ECO Set TH	Set Basic 1 with press jaws type TH (Henco, et al.)	16 - 20 - 26	1	13.4	15730
ROMAX® AC ECO Set U	Set Basic 1 with press jaws type U (UNICOR, et al.)	16 - 20 - 25	1	13.4	15760

ACCESSORIES

Model	No.
ROCASE case system 6414, empty	1000001959
Press jaws, pressing collars starting on	**111**



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

DURA LAZR TEC

The unique laser hardening process

Long-lasting. Safe. Precise. Our DURA LAZR TEC Press Jaws set 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 public material testing institute Darmstadt

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



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 HIGH 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).

Precision-manufactured contours

For optimum and reliable pressings

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





Made of forged, highly resilient special steel

Suitable for all press machines with a constant axial thrust of 19 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 overview starting on 115

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.

Precision-manufactured contours

For optimum and reliable pressings

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





Made of forged, highly resilient special steel

Suitable for all press machines with a constant axial thrust of 19 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 overview starting on 115

* in comparison to previous models

Interchangeable Press Jaws Compact

For ROMAX® Compact TT

ROTHENBERGER Press Jaws with proven material and manufacturing quality, for the attachment from interchangeable press jaws for system dependent pressing of plastic fittings Ø 12 - 32 mm.

Combine various interchangeable inserts with only one press jaw!



Set Interchangeable inserts

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 inter-changeable press jaws

Made of casted, highly resilient special steel

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

Long-term Corrosion protection

Optimum for heavy-duty field operation

Model	Description Ø mm	No.	Model	Description Ø mm	No.
Interchangeable inserts set RFz*	16 - 20 - 25 - 32 mm	14849	Interchangeable Press Jaws + Set RFz	12 - 16 - 20 mm	15094
Interchangeable inserts set U*	16 - 20 - 25 - 32 mm	14869	Interchangeable Press Jaws + Set CO	12 - 16 - 20 mm	15093
Interchangeable inserts set TH*	16 - 20 - 26 - 32 mm	14895			

*Can only be used with interchangeable pressing jaw No. 014800X!

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 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 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 Jaws overview starting on 115

* in comparison to previous models

3-elemental Standard Press Jaw

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

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

DURA LAZR TEC

100% more press cycles with laser hardening*

3-bolt synchronised mechanism

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



3-elemental system

Easy handling / assembling
Optimized power distribution

Precision-manufactured contours

For optimum and reliable pressings

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



Model	kg	No.	Model	kg	No.
3-elemental standard press jaw, M42	4.8	1000001273	3-elemental standard press jaw, TH50	4.8	1000001810
3-elemental standard press jaw, M54	4.8	1000001274	3-elemental standard press jaw, TH63	4.8	1000001811

Press Jaws Standard Sets

ROTHENBERGER Press Jaws up to Ø 54 mm in the stable ROCASE case system



ROCASE case system

Stack, click, transport

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 4414 up to Ø 32 mm

Variable

Enough space for all standard and compact press jaws from Ø 12 up to Ø 63 mm in the ROCASE 4414



Model	Press Jaws Ø mm	kg		No.
Press jaw set standard	SV15 - 22 - 28	6.8	1	1000002068
Press jaw set standard	SV15 - 18 - 22 - 28	8.7	1	015060X
Press jaw set standard	SV42 - 54	10.5	1	015080X
Press jaw set standard	M15 - 22 - 28	6.7	1	1000002067
Press jaw set standard	M15 - 18 - 22 - 28	8.6	1	015062X
Press jaw set standard	3-elemental, M42 - 54	12.0	1	1000001502
Press jaw set standard	TH16 - 20 - 26	8.7	1	015063X
Press jaw set standard	U16 - 20 - 25	7.3	1	1000002069
Press jaw set standard	G16 - 20 - 26 - 32	8.8	1	015068X
Press jaw set standard	VP16 - 20 - 25 - 32	9.4	1	015072X
Press jaw set standard	BE16 - 20 - 26	8.7	1	1000002065
ROCASE 4414 with inlay press jaws large		1.5	1	1000001807
ROCASE 4212 with inlay press jaws small		1.6	1	1000001808

ROCASE starting on 339

Pressing Collars Standard

For ROMAX® 4000, ROMAX® AC ECO, ROMAX® 3000 AC

Still 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 pressing collar

DURA LAZR TEC

100% more press cycles with laser hardening*



Fig. Pressing collar SV54

3 Segments

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

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



Fig. Intermediate jaw ZBS1

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

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 pressing collar up to 180° allowsassembling even in confined spaces



Closing the pressing collar



Gripping the pressing collar with intermediate jaws



Pressing collar sets include: Pressing collars according to the table, intermediate jaw ZBS1 (No.1000001126), ROCASE case system 4212 (No.1000001960)

Model	Description	No.
Pressing collars Set SV in ROCASE case system	Intermediate Jaw ZBS1 / SV42 - 54	1000001501
Pressing collars Set M in ROCASE case system[1)]	Intermediate Jaw ZBS1 / M42 - 54	1000000110
Pressing collars Set TH in ROCASE case system[1)]	Intermediate Jaw ZBS1 / TH40 - 50	1000000116

Press Collars overview starting on 115

[1)]on request!

* in comparison to previous models

System	Nominal size	 Press Jaws Compact	 Interchangeable Insert Compact Use only in combination with interchangeable jaws No. 014800X	 Press Jaws Standard	 Pressing Collars Standard Only to be used with intermediate jaw: ZBS1 (No. 1000001126) for SV, M, TH, U Ø 40, 42, 50, 63 mm, ZBS2 (No. 1000000123) for U Ø 75, 90, 110 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	1000000108*
	M54	—	—	1000001274	1000000109*
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 / Multi-layer**				
	R12	—	14863	015339X	
	R14	015370X	14864	015330X	
	R16	015371X	14865	015331X	
	R17	015378X	14866	015333X	
	R18	015379X	14867	015334X	
	R20	015374X	14868	015335X	
	R25	015380X	14707	015338X	
	R26	015376X	14708	015336X	
	R32	015377X	14709	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	14842	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	1000000111*
	TH50	—	—	1000001810	1000000112*
	TH63	—	—	1000001811	1000000113*
THG	THG32	1000000236	—	1000000235	
THT	THT32	015393H	—	015329X	

For more information visit www.rothenberger.com

*on request!

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Overview Press Jaws / Pressnavigator

System	Nominal size	Press Jaws Compact	Interchangeable Insert Compact Use only in combination with interchangeable jaws No. 014800X	Press Jaws Standard	Pressing Collars Standard Only to be used with intermediate jaw: ZBS1 (No. 1000001126) for SV, M, TH, U Ø 40, 42, 50, 63 mm, ZBS2 (No. 1000000123) for U Ø 75, 90, 110 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	1000000117*
	U50	—	—	—	1000000118*
	U63	—	—	—	1000000119*
	U75	—	—	—	1000000120*
	U90	—	—	—	1000000121*
	U110	—	—	—	1000000122*
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 www.rothenberger.com

*on request!

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Pressnavigator App

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

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





iTunes

Google Play

Overview system approvals

	Nominal size	Press Jaws Compact No.	Press Jaws Standard	Interchangeable insert compact No. Use only in combination with interchangeable jaws No. 014800X	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 B-Press Gas, Solar	Conex 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		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		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																				

The following release tables correspond to the conditions at the time of the editorial deadline. As releases for further systems are continuously emerging, the Pressnavigator (page 116) provides the unique opportunity to find current releases. ROTHENBERGER offers press jaws for a variety of press fitting / pipe systems on the market today. The press contour of each particular system allows reliable pressing to approved standards.

Overview system approvals



Nominal size	Press Jaws Compact No.	Press Jaws Pressliner and ROMAX® 3000 No.	Interchangeable Insert Compact Use only in combination with interchangeable jaws No. 014800X		Eurotubi Pressfitting System	F.B.Q. BARONIO,BQ pres	Frabo Frabopress C Steel, 316	Frabo MULTI-BRASS	FRÄNKISCHE, ALPEX F50	Gabo, Gabopress H+5	GAROS	Geberit Mapress Gas	Geberit Mapress Stainless	Geberit Mapress Copper Carbon steel,	Geberit Mepla	Giacomini 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		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		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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	Nominal size	Press Jaws Compact No.	Press Jaws Pressliner and ROMAX® 3000 No.	Interchangeable Insert Compact Use only in combination with interchangeable jaws No. 014800X	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, Go-mafix	Mark KG, polymark	MEGARO HAKAPRESS	MULTITHERM PRESS-SYSTEM	Multitubo Giacomini	NEUTHERM, MEKUP-RESS	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		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		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 No.	Press Jaws Pressliner and ROMAX® 3000 No.	Interchangeable Insert Compact Use only in combination with interchangeable jaws No. 014800X	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 Rohrinstalla-tionssysteme	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-Presssys-tem 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		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		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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	Nominal size	Press Jaws Compact No.	Press Jaws Pressliner and ROMAX® 3000 No.	Interchangeable Insert Compact Use only in combination with interchangeable jaws No. 014800X	TIEMME, SERIE PA / PG	Tradesa Serie 700	Ulrich VARIOFLEX HAKA-PRESS,	UPONOR UNIPIPE, UNI-CORE, Airpipe	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		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		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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ROTHENBERGER

Threading

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Threading electric	130 - 140
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Threading

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"	1/4 - 1.1/4"
Handle:	1 piece	2 pieces	3 pieces	2 pieces
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	**126, 127**	**126, 127**	**126, 127**	**128, 129**

Threader electric

	SUPERTRONIC® 1250	SUPERTRONIC® 2000
		
Operation mode:	Handed / electric	Handed / electric
Working range:	1/4 - 1.1/4"	1/4 - 2"
Thread type:	BSPT - NPT	BSPT - NPT
Number of die heads:	4 pcs.	6 pcs.
Number of threading dies:	–	–
Power:	800 W	1,010 W
Weight:	12.8 kg	14.5 kg
Page	**130, 131**	**132, 133**

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, Metrical	BSPT, NPT, BSPP, BSW, Metric
Number of die heads:	1 piece	1 piece	2 pieces	2 pieces
Number of threading dies:	2 pieces	2 pieces	3 pieces	3 pieces
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	**136, 137**	**138, 139**	**138, 139**	**138, 139**

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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 piece	1 piece	3 pieces
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	**142**	**142**	**143**

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

Precision Dies
Made of high quality tempered steel
Extremely long service life

SUPER CUT when working at the building site

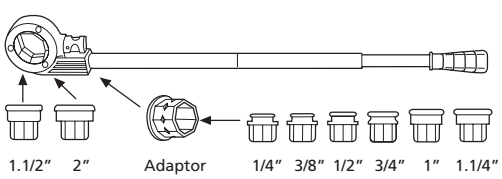


With ratchet handle 1/4" - 2" the attachment of the 1/4" - 1.1/4" die head results with the use of the adaptor (No. 600011500)



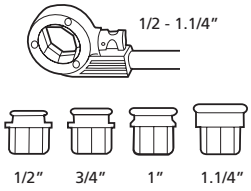
Monoblock - adaptor (No. 600011500)





SUPER CUT – Sets Ø 1/2 - 1.1/4”

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



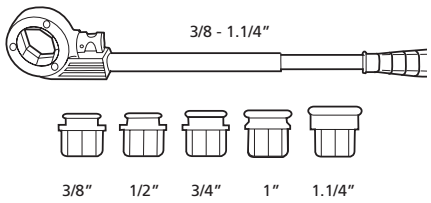
Lever arm No. 6240021



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 plastic carrying case



Lever No. 6000021

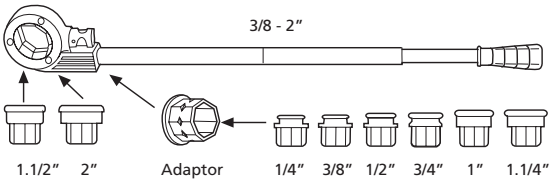


Fig. Similar

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), die heads in plastic carrying case (No. 070928X)



Lever No. 6010121



Fig. Similar

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”	134
Dies 1/4 - 2”	134
Cutting fluid	135
Pipe roughing wrench	141



SANI KIT

Tool set in sturdy plastic carrying case

Ideal for repair and installation jobs requiring complete steel pipe processing

Professional!

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, 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

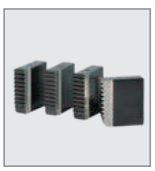


Direct seating for die heads	via adaptor for die heads	Handle	kg	No.
1/4" - 1.1/4"	-	2-pieces	1.7	070840X
1.1/2" - 2" (no fig.)	1/4" - 1.1/4"	3-pieces	2.5	71272



ACCESSORIES

Description	
Die heads 1/4 - 2"	134
Dies 1/4 - 2"	134
Cutting fluid	135
Pipe roughing wrench	141



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, right)
- Stable speed by forward and reverse motion

TECHNICAL DATA

Threading speed:	15 - 20 min^{-1}
Rapid reverse speed:	27 min^{-1}
Performance:	800 watts
Current:	230 V / 110 V
Weight:	4.9 kg
Dimensions:	456 x 168 x 76 mm



Compact design, only 4.9 kg, ideal for portable operation



Small head shape (11 cm)



Pipe roughing



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

SUPERTRONIC® 1250 Set

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

Small – Fast – Light (1/4 - 1.1/4")!



Pipe clamp

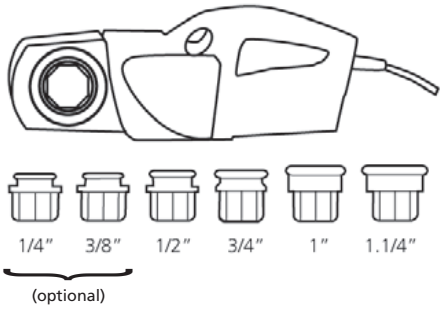
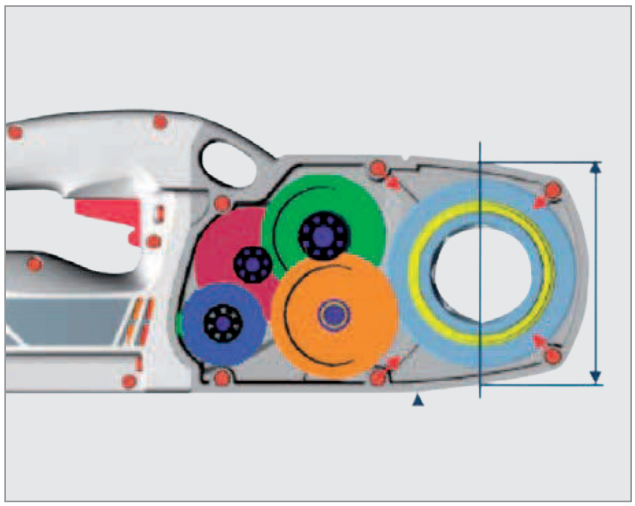




Fig. SUPERTRONIC® 1250 Set (No. 71450)

Model	Description	kg		230 V	110 V
SUPERTRONIC® 1250 Set	BSPT 1/2 - 3/4 - 1 - 1.1/4"	14.5	1	71450	71451
SUPERTRONIC® 1250 Set	NPT 1/2 - 3/4 - 1 - 1.1/4"	13.0	1	71454	71453
SUPERTRONIC® 1250	with forged pipe clamp, without die heads	3.9	1	71470	
Pipe clamp for SUPERTRONIC® 1250	up to max. 1.1/4"	1.6	1	865008700	865008700

Helical gears for maximum power (800 watts)



Steel pipe processing portable, fast and easy



ACCESSORIES

Description	
Die heads 1/4 - 2"	134
Dies 1/4 - 2"	134
Cutting fluid	135
Pipe roughing wrench	141



SUPERTRONIC® 2000



Power threader Ø 1/4 – 2"

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

Product Profile

APPLICATION AREA

For threading of
BSPT right: Ø 1/4 - 2"
NPT: Ø 1/4 - 2"
High reduction gears with spur wheel teeth, induction tempered, 7 parallel gear shafts, each ball bearing mounted
High, consistent power transmission when fully loaded
Performance:
Strong 1,010 W motor, double insulated with VDE and CEE, interference free for reliable long-term use
Threading speed:
15 - 25 min^{-1}, rapid reverse 60 min^{-1}
(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, shafts)
- User friendly work with the large mechanism for switching directions
- Reliable motor for long-term use

6



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

Large mechanism for switching directions
User friendly work

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

1,010 W universal motor
Low energy consumption

Compact gear housing
Ideal for confined spaces

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

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

Performance: 1,010 watts!

Easy insertion of the die heads



Use with roll grooving tool ROGROOVER



ROFIX adaptor (No. 71271)



High reduction gears



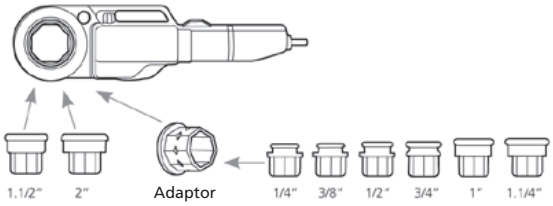
[1] Complete terms and conditions at www.rothenberger.com/service.
RO SERVICE+ only valid in participating countries.

SUPERTRONIC® 2000 Set

Sets include: SUPERTRONIC® 2000 with pipe clamp (No. 71280), ROFIX-Adaptor (No. 71271), and precision die heads, ROCASE with inlay (No. 1000001953)

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	1	71256	71258
SUPERTRONIC® 2000 Set, NPT	1/2" - 3/4" - 1" - 1.1/4" - 1.1/2" - 2"	14.5	1	71257	71259
SUPERTRONIC® 2000	with forged pipe clamp, without die heads	6.8	1	71250	71251
SUPERTRONIC® 2000 Set	in ROCASE + ROFIX and Pipe clamp	11.2	1	1000002011	1000002016

Work in confined spaces



Die heads with the tripod universal workbench



ACCESSORIES

Description	
Die heads 1/4 - 2"	134
Dies 1/4 - 2"	134
Cutting fluid	135
Pipe roughing wrench	141



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

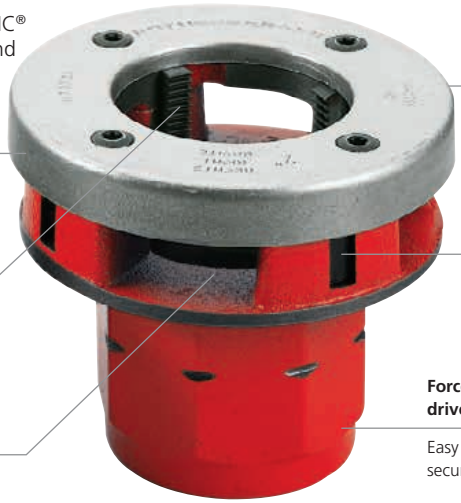
Reduced effort of up to 10% for person and machine

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 and 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.
1/4"	070907X
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.
1/4"	070916X
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 locking ring	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 oil basis
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	4	65010

RONOL® SYN

High-performance cutting fluid

DVGW CERT

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 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	4	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 workbench
- Complete pre- and post-processing of pipe
- Easy to maintain machine design
- Die head Type R (automatic with integrated oil feed)
- Portable transport frame (standard)

TECHNICAL DATA

Performance:	1,150 watts
Speed:	40 m^{-1}
Weight:	68 kg
Dimensions (L x W x H):	535 x 430 x 340 mm

6

Pre- and post-processing of pipe

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

Amply dimensioned large plastic shavings collection trough

Easy to clean

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

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

Transportation Frame
(Included in delivery)

Carriage with storage space and a mount for the foot switch
Clearly arranged work

Collapsible undercarriage
Comfortable transport

With 2 plastic wheels
High mobility

Safety foot switch (No. 56335)
Increased safety



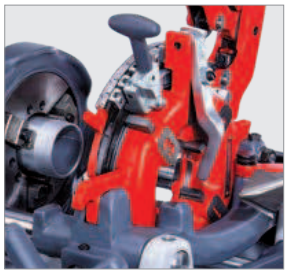
Die Head Type R

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

Optimal lubrication and cooling of the die heads
Long life

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

Automatic die head with integrated oil supply



High mobility



Thread roughing



Cost-effective production of grooves



Model	Volt		kg	No.
ROPOWER® 50 R with automatic die head:				
BSPT R 1/2 - 3/4", 1-2"	230 V	1	88.5	56050
BSPT R 1/2 - 3/4", 1-2"	110 V	1	88.5	56045
BSPP R 1/2 - 3/4", 1-2"	230 V	1	88.5	56057
NPT 1/2" - 3/4", 1-2"	230 V	1	88.5	56015
Collapsible Stand ROPOWER® 50 R		1	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)		1	0.02	70074
Supporting bolt for transport frame (contents 4 pieces)			0.7	56049
Supporting legs (contents 4 pieces)			5.0	56488

ACCESSORIES

Description		No.
Cutting fluid	135	
Automatic die heads	140	
Dies	140	
NIPPEL MAX	141	
Pipe roughing wrench	141	56500
ROGROOVER 1-6"	142	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 with impact hammer chuck
- Burr-free work

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

6

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, integrated oil feed

Optimal lubrication and cooling

Large shavings collection trough made of plastic

Easy to clean

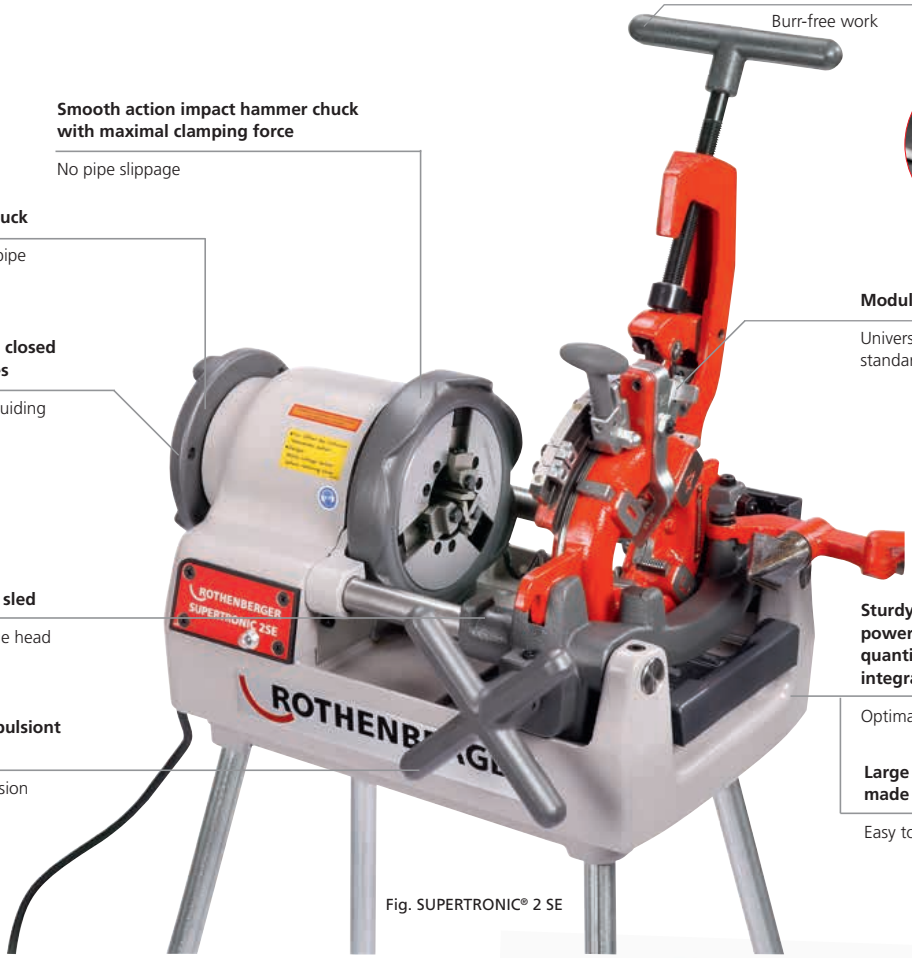


Fig. SUPERTRONIC® 2 SE

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



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





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

[1] Complete terms and conditions at www.rothenberger.com/service. 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 watts
Speed:	40 m^{-1}
Weight, with die heads:	68 Kg
Dimensions (L x W x H):	535 x 430 x 340 mm

Scope of delivery: 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	110 V
with Standard Die Head	68	56150	56120
BSPT R 1/2 - 3/4”, 1 - 2”			
with Automatic Die Head	68	56175	56125
BSPT R 1/2 - 3/4”, 1 - 2”			



230 V 110 V RO SERVICE+ [1)]

SUPERTRONIC® 2 SE	No.
Deburrer without holder 2 SE	56198
Supporting legs (contains 4 pieces)	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 watts
Speed:	33 m^{-1}
Weight, with die heads:	100 Kg
Dimensions (L x W x H):	650 x 480 x 420 mm

Scope of delivery: SUPERTRONIC® 3 SE, standard die heads 1/2 - 2” (No. 56156) or automatic die heads (56266), standard die head 2 - 3” (No. 56104) or automatic die head 2 1/2 - 3” (56288), SS threading dies 1/2 - 3/4” (No. 56003), 1 - 2” (No. 56007), SS threading dies 2 - 3” (No. 56006), SS threading dies 2 1/2 - 3” (No. 56489), safety foot switch (No. 56335), supporting legs (No. 56491), tool

SUPERTRONIC® 3 SE	kg	230 V	110 V
with Standard Die Head	100	56250	56253
BSPT R 1/2 - 3/4”, 1 - 2”, 2 - 3”			
with Automatic Die Head	100	56255	56254
BSPT R 1/2 - 3/4”, 1 - 2”, 2.1/2 - 3”			



230 V 110 V RO SERVICE+ [1)]

SUPERTRONIC® 3 SE	No.
Deburrer without holder 3 SE	56199

SUPERTRONIC® 4 SE

Compact threader Ø 1/2 - 4”

SUPERTRONIC® 4 SE with Automatic Die Head

TECHNICAL DATA

Power:	1,750 watts
Speed:	22 / 50 m^{-1}
Weight, with die heads:	120 Kg
Dimensions (L x W x H):	750 x 540 x 480 mm

Scope of delivery: SUPERTRONIC® 4 SE, BSPT automatic die head 1/2 - 2” (No. 56266), BSPT automatic die head 2 1/2 - 4” (No. 56289), SS threading dies 1/2 - 3/4” (No. 56003), SS threading dies 1 - 2” (No. 56007), SS threading dies 2 1/2 - 4” (No. 56294), safety foot switch (No. 56335), supporting legs (No. 56489), tool

SUPERTRONIC® 4 SE	kg	230 V	110 V
with Automatic Die Head	120	56465	56475
BSPT R 1/2 - 3/4”, 1 - 2”, 2.1/2 - 4”			
NPT 1/2 - 3/4”, 1 - 2”, 2.1/2” - 4”		56466	
Deburrer without holder 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 www.rothenberger.com/service.
RO SERVICE+ only valid in participating countries.

Precision Die Heads

For machine types ROPOWER® 50 R, PANDA, PISET, SUPERTRONIC® 2 S, 2 SE, 3 S, 3 SE, 4 S, 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	1/2 - 2"	56052	1/4 - 3/8"	56369	56379	●			
			1/2 - 3/4"	056370X	56380	●			
			1 - 2"	056371X	N/A	●			
NPT	1/2 - 2"	56053	1/4 - 3/8"	56372	N/A	●			
			1/2 - 3/4"	56373	N/A	●			
			1 - 2"	56374	N/A	●			
Automatic die heads suitable for ROTHENBERGER threading dies									
BSPT R	1/2 - 2"	56266	1/2 - 3/4"	56003	56235		●	●	●
			1 - 2"	56007	56236		●	●	●
	2.1/2 - 3"	56288	2.1/2 - 3"	56291	56237			●	●
	2.1/2 - 4"	56289	2.1/2 - 4"	56294	56238				●
NPT	1/2 - 2"	56271	1/2 - 3/4"	56111	56180		●	●	●
			1 - 2"	56112	56181		●	●	●
	2.1/2 - 3"	56268	2.1/2 - 3"	56295	56183			●	●
	2.1/2 - 4"	56269	2.1/2 - 4"	56296					●
			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	N/A	●	●	●	●
	1/2 - 2"	56156	1/2 - 3/4"	56111	56180	●	●	●	●
			1 - 2"	56112	56181	●	●	●	●
	2.1/2 - 3"	56104	2.1/2"- 3"	56114	N/A			●	●
BSPP	1/2 - 1.1/4"	56076	1/2 - 3/4"	56095	N/A	●	●	●	●
			1 - 1.1/4"	56096	N/A	●	●	●	●
	1.1/2 - 3"	56077	1.1/2 - 2"	56097	N/A			●	●
			2.1/2 - 3"	56098	N/A			●	●
BSW	3/8 - 1"	56153	3/8"	56009	56161	●	●	●	●
			1/2"	56010	56162	●	●	●	●
			5/8"	56011	56163	●	●	●	●
			3/4"	56012	56164	●	●	●	●
			7/8"	56013	56165	●	●	●	●
			1"	56014	56166	●	●	●	●
	1.1/8 - 2"	56310	1.1/8 - 1.1/4"	56185	N/A	●	●	●	●
			1.1/2"	56186	N/A	●	●	●	●
			1.5/8 - 1.3/4"	56187	N/A	●	●	●	●
			1.7/8 - 2"	56188	N/A	●	●	●	●
Metric	10 - 24	56133	10	56081	56351	●	●	●	●
			12	56082	56352	●	●	●	●
			14 - 16	56083	56353	●	●	●	●
			18 - 22	56085	56355	●	●	●	●
			24	56088	56358	●	●	●	●
	27 - 36	56315	27	56189	N/A	●	●	●	●
			30 - 33	56190	N/A	●	●	●	●
			36	56191	N/A	●	●	●	●

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

N/A: not available

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 135)

Suitable for:

- **Conical pipe threads - BSPT**
  Whitworth pipe threads: ISO 7-1, DIN EN 10226 (DIN 2999)
  External conical threads 1:16, 55° flank angle
- **Conical pipe threads - NPT**
  Taper Pipe Thread: ASME B1.20.1
  External conical threads 1:16, 60° flank angle
- **Cylindrical pipe threads - BSPP**
  Whitworth pipe threads: ISO 228-1, DIN 259
  Exterior threads cylindrical, 55° flank angle
- **English bolt threads - BSW**
  British Standard Parallel Screw: Thread of Whitworth Form B.S.W, B.S 84: Exterior threads, 55° flank angle°
- **Metric bolt threads - M**
  Metric threads: ISO 261, DIN 13
  Exterior threads, 60° flank angle

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 Volt	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	L mm	kg	No.
Pipe Roughing Wrench	335	1.15	56500
Replacement roughing rolls (3 pcs.)		0.30	56501

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, PANDA, PISET, ROPOWER® and SUPERTRONIC®.

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









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

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

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 of 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 instelled 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
- ½“ ratchet for both adjustment

TECHNICAL DATA

Working range:	1 - 12” (324 mm)
Pipe wall-thickness:	1 - 6” SCHL10 + SCHL40
	4 - 6” SCHL40
	8 - 12” SCHL10
Weight:	12.0 kg
Depth gauge:	2 distance plates included
Dimensions:	195 mm x 210 mm x 210 mm

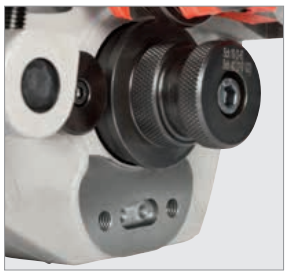


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Application on tripod workbench



Fixture for stabiliser



Model	kg		No.
Hand Roll Groover 2 - 6”	12.0	1	1000000212
Roller-SET 1”	0.59	1	1000000720
Roller-SET 1.1/4 - 1.1/2”	0.62	1	1000000721
Roller-SET 2 - 6”	1.00	1	1000000850
Roller-SET 4 - 6”	2.48	1	1000000722
Roller-SET 8 - 12”	2.70	1	1000000723

ROGROOVER 1 - 6”

Portable rolling groover for steel pipes up to Ø 6” (168 mm) for rapid rolling of grooves on standard and thin-walled steel pipes

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

Extremely light: 12 kg!



APPLICATION AREA

Standard and thin-walled steel pipes up to 6” (168 mm) Light weight 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 light-weight aluminium casing
- Adjustable and finely-controlled arrester for consistent groove depth
- Convenient, easy and time-saving operation

Model	kg		No.
ROGROOVER for SUPERTRONIC® 2000	14.5	1	56509
ROGROOVER for ROPOWER® 50 R, SC 2 SE, REX 2”	14.5	1	56505
ROGROOVER for SUPERTRONIC® 3 SE and REX 3”	14.5	1	56506
ROGROOVER for SUPERTRONIC® 4 SE	14.5	1	56507
ROGROOVER for RIDGID®[2)] 300	16.0	1	56504
ROGROOVER for REX 4”	14.5	1	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 of 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 tooless adjustable due to revolver-button
- Safe working with foot switch and emergency stop switch, as lighting in workplace
- Reliable, powerful 1,500 watts 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 r/min.
Max. working pressure:	27,750 N



3-way adjustment of the pressure rollers size



Drive shaft and meassuring tape in the delivery



Model	kg		No.
ROGROOVER 1 - 12”, 230 V-50 Hz	175.0	1	1500001351
ROGROOVER 1 - 12”, 230 V-60 Hz	175.0	1	1500001352
ROGROOVER 1 - 12”, 110 V-50 Hz	175.0	1	1500001353

Scope of delivery: ROGROOVER Machine 1 -12”, Pipe support stand, Drive shaft, 1 - 1.1/2”, 2 - 6“ and 8 - 12”, Diameter messuring tape

Model	kg		No.
Pipe support stand	33.00	1	1500001990
Diameter messuring tape	0.05	1	1500000134
Transport stand	25.00	1	57050

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


ROTHENBERGER



Soldering & Welding

System Overview Soldering & Welding	146 - 147
Cartridge Brazing	148 - 152, 154 - 155
Cartridge Soft-Soldering	152 - 153, 155, 158
Cylinder Brazing	156 - 157
Cylinder Soft-Soldering	159 - 160
Accessories Cylinder Brazing/-soft soldering	161
Electric Soft Soldering	162 - 163
Gas Welding	164 - 167
Three-Gas Welding	168 - 169
Accessories Soldering & Welding	170 - 179

System Overview

Cartridge Brazing

	SUPER FIRE 3	SUPER FIRE 4	POWER FIRE Compact	ROFIRE Swivel PRO Cyclone Piezo	ROFIRE Swivel PRO Twin
					
Soft soldering:	up to Ø 35 mm	up to Ø 35 mm	up to Ø 28 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 22 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	148, 149	150, 151	152	152	152

Cartridge Soft Soldering

Roofing & Sheet Metal Works

	ROFLAME PIEZO	ROFIRE, ROFIRE PIEZO	MULTI MOBILE	MULTI 300 Propane Soft soldering kit	ROOFING-SET
					
Soft soldering:	up to Ø 22 mm	up to Ø 22 mm	yes	yes	yes
Brazing:	–	up to Ø 15 mm	–	–	–
Special application:	–	–	Sheet metal working	Sheet metal working	Bonding of bituminous sheeting
For use with:	Supergas C 200	Multigas 300	Multigas 110	Propane, Butane	Propane, Butane
Page	152	153	158	159	160

Cartridges

	MAPP®[1]-Gas	Maxigas 400	Multigas 300	Supergas C 200	Multigas 110
					
Flame temperature:	up to 2,700 °C	up to 2,200 °C	up to 1,900 °C	up to 1,800 °C	up to 1,900 °C
Application:	Soft soldering & Brazing	Soft soldering & Brazing	Soft soldering	Soft soldering	Soft soldering
Valve:	EU 7/16"	EU 7/16"	EU 7/16"	Pierceable cartridge	EU 7/16"
Content:	750 ml / 415 g	600 ml / 352 g	600 ml / 338 g	314 ml / 190 g	110 ml / 60 g
Page	154	155	155	155	155

1) MAPP® is a registered trademark of the MESSER Group GmbH, Bad Soden
2) with safety adaptor 035648X

Brazing & Soft Soldering devices

	RE 17	ALLGAS 2000 Set	ALLGAS 2000 PS 0.5/2 Compact	ALLGAS MOBILE Pro	ROXY 400 L
					
Soft soldering:	yes	yes	yes	yes	yes
Brazing:	yes	yes	yes	yes	yes
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	168	164	165	166	167

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	156	157	162, 163

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	930 ml (One-way) / 2 l, 5 l, 10 l
Page	170	170

Basic **Soft Soldering up to 450 °C**

Hot **Brazing 450 °C - 1100 °C**

Max **Gas Welding > 1100 °C**

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

SUPER FIRE 3

Ergonomic HEAVY-DUTY brazing unit up to Ø 28 mm

For soft soldering, brazing and 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 heat-up, less consumption!
- Long service life
- "Twist 'N' Load" system (5 different burners available)
- 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)

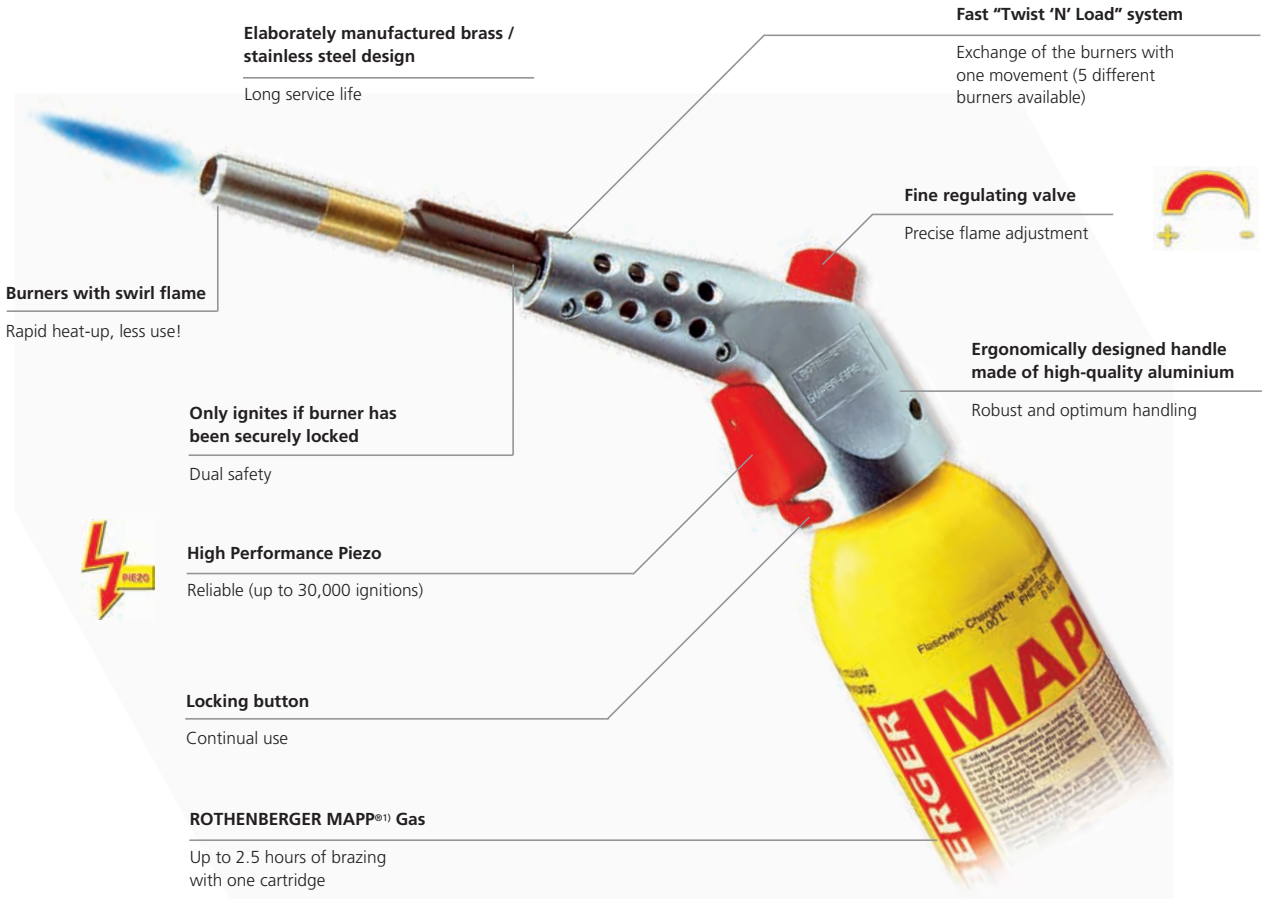
TECHNICAL DATA

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

SUPER FIRE 3 burners

Quick exchange with the "Twist 'N' Load" system

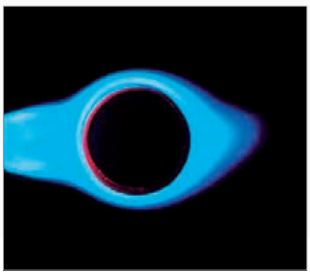
„Twist 'N' Load"



Brazing in gas installation



High flame temperature based on cyclone swirl



Brazing in aircon and refrigeration



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



Set (No. 35490) includes: handle (No. 35445), cyclone burner (No. 35457), pin-point burner (No. 35455), flame reflector (No. 31043), universal torch support (No. 35461), 2 x MAPP®1) gas cartridges (No. 035551-A), ROCASE (No. 1500001493), Inlay (No. 1500001491)

Model			No.
SUPER FIRE 3 HOT BOX	1	4	35490

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SUPER FIRE 3 Basic Set

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

SUPER FIRE 3 MAPP®1) Set

Set (No. 35432) includes:
handle (No. 35445), cyclone burner (No. 35457), MAPP®1) gas cartridge (No. 035551-A)



No. 035648X

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

Model			No.
SUPER FIRE 3 Basic Set	1	4	35436
SUPER FIRE 3 MAPP®1) Set	1	10	35432
SUPER FIRE Safety adaptor 7/16" to 1"	1	1	035648X



No. 35436



No. 35432

ACCESSORIES













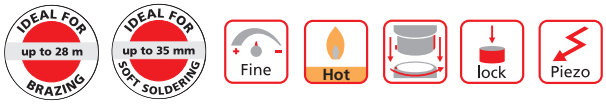
Model		Model	
Welding blanket	173	Fitting Solder	175
Internal brush for copper pipe	173	ROVLIES®	173
Solder	177 - 179	Soft-soldering paste ROSOL	175

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 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 use!

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

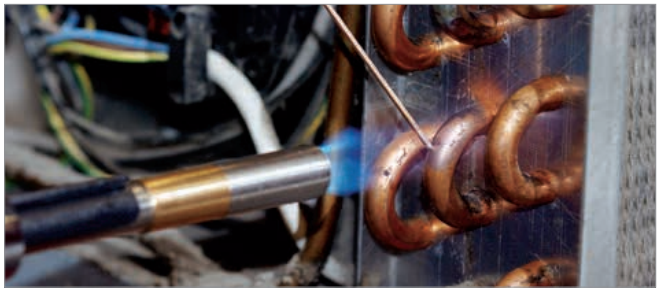
Reliable (up to 30,000 ignitions)

Locking button

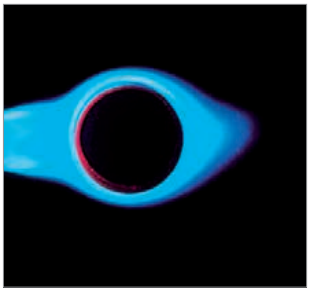
Continual use with only one hand

✔ Safe
✔ Fast
✔ Reliable

Brazing in aircon and refrigeration



High flame temperature based on cyclone swirl



Brazing in aircon and refrigeration



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. 1000001264) includes: handle (No. 1500001354), cyclone burner (No. 35457), pin-point burner (No. 35455), flame reflector (No. 31043), universal torch support (No. 35461), 2 x MAPP®1) gas cartridges (No. 035551-A), Carrying case (No. 1500001493), Inlay (No. 1500001491)

Model			No.
SUPER FIRE 4 HOT BOX	1	4	1000001264

SUPER FIRE 4 Basic Set

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

SUPER FIRE 4 MAPP®1) Set

Set (No. 1000001263) includes:
handle (No. 1500001354), cyclone burner (No. 35457), MAPP®1) gas cartridge (No. 035551-A)



No. 035648X

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	4	1500001355
SUPER FIRE 4 MAPP®1) Set	1	10	1000001263
SUPER FIRE Safety adaptor 7/16" to 1"	1	1	035648X



No. 1500001355



No. 1000001263

ACCESSORIES













Model		Model	
Welding blanket	173	Fitting Solder	175
Internal brush for copper pipe	173	ROVLIES®	173
Solder	177 - 179	Soft-soldering paste ROSOL	175

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

Cartridge Brazing/-Soft Soldering

POWER FIRE Compact

PROFESSIONAL brazing up to Ø 22 mm and soft soldering unit up to Ø 28 mm



APPLICATION AREA

Coupling: 7/16" EU
Brazing: up to Ø 22 mm
Soft Soldering: up to Ø 28 mm



KEY FEATURES

- With Piezo ignition button
- Compact and 45% lighter (compared to POWER FIRE)



Model	No.
POWER FIRE Compact Set (Burner, MAPP®1) Gas)	35424
POWER FIRE Compact Handle, EU	30813

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 PIEZO

CLASSIC soft soldering up to Ø 22 mm



APPLICATION AREA

Coupling: Pierceable cartridge
Soft Soldering: up to Ø 22 mm



KEY FEATURES

- High-performance torch with stable, ergonomic handle, including Piezo ignition and fine flame adjustment
- Comfortable one-handed use and secure storage surface
- Piezo Ignition
- Precise adjustment of the flame
- Exchangeable torch burnerss in case of repair is needed

Model	g	No.
ROFLAME PIEZO 1,800 °C (w/o gas cartridge C 200)	750	35419

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

Disposable gas cartridges can be found on pages 154 - 155

ROFIRE®

ECONOMY soft soldering unit up to Ø 22 mm

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

APPLICATION AREA

Coupling: 7/16" EU
Brazing: up to Ø 15 mm
Soft Soldering: up to Ø 22 mm



KEY FEATURES

- Torch with integrated support bracket
- Precise adjustment of the flame with the fine adjustment valve
- Exchangeable torch burnerss in case of repair is needed



Model	g	No.
ROFIRE® 1.800 °C Set (torch, Multigas 300)	810	35428
ROFIRE® handle	240	35506

ROFIRE® PIEZO

CLASSIC soft soldering unit up to Ø 22 mm

Powerful soldering unit for CU-brazing joints up to Ø 15 mm and soft soldering up to Ø 22 mm

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

APPLICATION AREA

Coupling: 7/16" EU
Brazing: up to Ø 15 mm
Soft Soldering: up to Ø 22 mm



KEY FEATURES

- Piezo Ignition
- Precise adjustment of the flame
- Torch head with integrated support bracket
- Exchangeable torch burnerss in case of repair is needed



Model	g	No.
ROFIRE® PIEZO set (torch, Multigas 300)	820	35429
ROFIRE® PIEZO handle	250	35556

ACCESSORIES









Model		Model	
Welding blanket	173	Fitting Solder	175
Internal brush for copper pipe	173	ROVLIES®	173
Solder	177 - 179	Soft-soldering paste ROSOL	175

Disposable gas cartridges can be found on pages 154 - 155

MAPP®1) Gas

Special gas mix for high-performance soldering work

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

Hot

Product Profile

KEY FEATURES

- Extremely high flame temperature, utmost burning performance and guaranteed short working times
- Guaranteed constant top torch performance

KEY FEATURES

- Increased user safety through the sandwich valves and aluminium mono-block cylinder
- Longer periods of use

7/16" Sandwich valve

Increased safety

EU 7/16"

Contains no BUTADIEN

Poses no health risks

Less weight compared to conventional steel cylinders (228g empty)

Easy to use

ROTHENBERGER MAPP®1) Gas is produced in ultra-modern filling plants and processor-controlled batching systems

Guaranteed constant top torch performance

Special gas mixture with outstanding flame characteristics

Extreme flame temperatures, utmost torch performance and guaranteed short working times



MAPP®1) Alu-Mono-block-Gas cartridge

Burns approx. 1/3 longer than propane

Up to 2.5 hours of use



Fig. MAPP®1) Gas

Model	Content		No.
MAPP®1) - gas cartridge	750 ml	12 / 360	035551-A
Languages: DE, GB, FR, ES, IT, PT			
MAPP®1) - Gas cartridge	750 ml	12 / 360	035551-B
Languages: DK, NL, SE, FI, FR, RUS			
MAPP®1) - Gas cartridge	750 ml	12 / 360	035551-C
Languages: CZ, PL, HU, BG, TR, RO			

Torches can be found starting on 148

Packaging Profile

Model	MAPP®1) Gas
No.	035551-A
EAN Code	4004625355510 (A)
Product size (mm) (W x H)	80 x 235
Contents (ml)	750
Weight (g)	415
Unit per PU	12
PU per layer / palette	8
Layer per palette	3
Units per palette	288
Number of palettes per truckload	60
Units per truckload	17,280
Palette weight (kg)	241
Palette size (mm) (L x W x H)	800 x 1,200 x 1,000
Carton size (mm) (L x W x H)	320 x 295 x 250

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 PU	24
PU per layer / palette	9
Layer per palette	3
Units per palette	648
Number of palettes per truckload	60
Units per truckload	38,880
Palette weight (kg)	195
Palette 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 PU	24
PU per layer / palette	9
Layer per palette	3
Units per palette	648
Number of palettes per truckload	60
Units per truckload	38,880
Palette weight (kg)	191
Palette 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 110

Basic

Gas cartridges for flame temperatures up to 2,100 °C, suitable for MULTI MOBILE soft soldering unit. The special construction allows 360°-overhead operation. With EU-coupling 7/16"





Model	Multigas 110
No.	1500000459
EAN Code	4004625378977
Product size (mm) (W x H)	45 x 150
Content (ml)	110
Weight (g)	60
Unit per PU	12
PU per layer / palette	30
Layer per palette	5
Units per palette	1800
Number of palettes per truckload	60
Units per truckload	108,000
Palette weight (kg)	198
Palette size (mm) (L x W x H)	800 x 1,200 x 1,000
Carton size (mm) (L x W x H)	185 x 140 x 160

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 PU	36
PU per layer / palette	9
Layer per palette	3
Units per palette	972
Number of palettes per truckload	60
Units per truckload	58,320
Palette weight (kg)	350
Palette 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

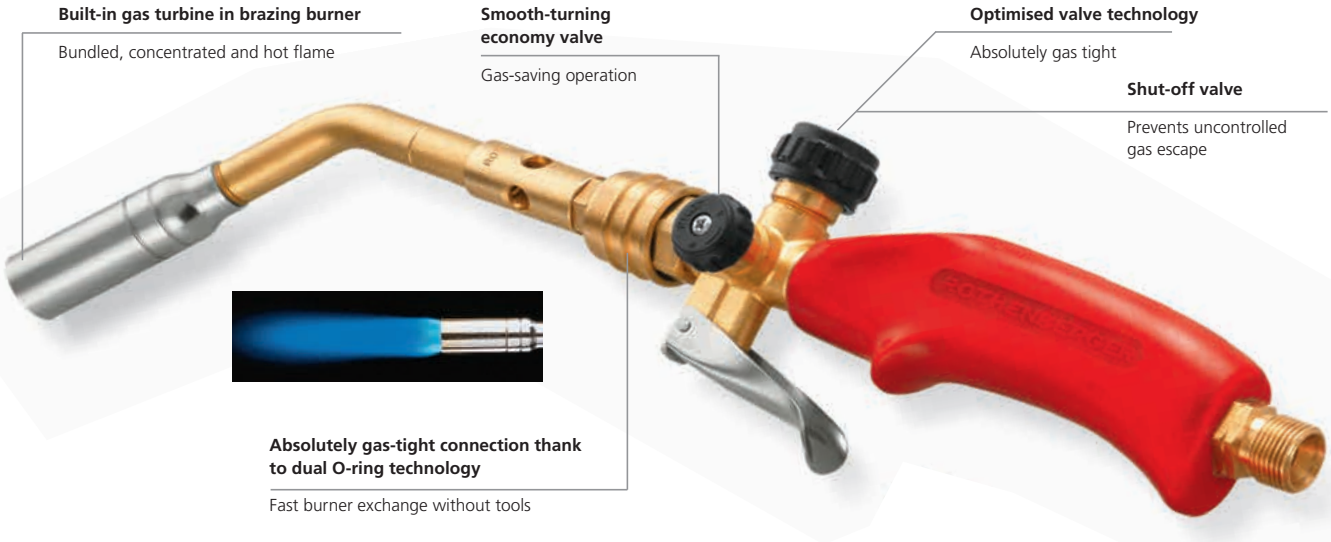
Product Profile

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



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), 2.5 m propane hose 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	3.1	31091
as in set (No. 31092), but with regulator (No. 32081) (W 21.8 LH – G 3/8 LH)		
Flame cleaning torch 20/50 mm	0.2	30922

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

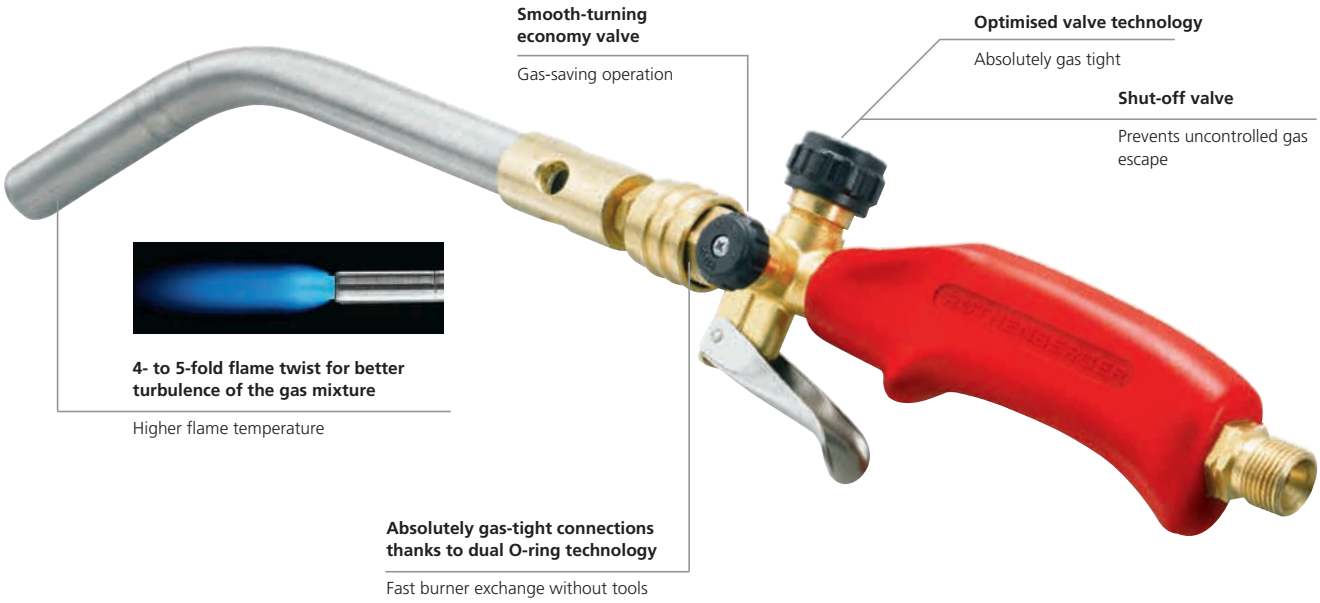




Fig. TURBOPROP burner with push-in nipple



No. 31090

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), 2.5 m propane hose 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 set with propane regulator	3.1	**31094**
as in set (No. 31090), but with regulator (No. 32081E) (W 21.8 LH – G 3/8 LH)		
TURBOPROP set with propane regulator	3.1	**31037**
as in set (No. 31090), but with regulator (No. 32083) (POL 7/8 LH – G 3/8 LH)		

TURBOPROP brazing burner with push-in nipple coupling

Ø mm	mm	g/h 2 bar	kWh – kcal – BTU	g	No.
10 mm	165	70	1.89 – 770 – 3,050	70	**31031**
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**

MULTI MOBILE Set

A mobile cartridge soft soldering tool for professional applications in sheet metal work and for soldering tin and lead

Professional soft soldering with maximum mobility and safety!

Product Profile

KEY FEATURES

- Ideal for mobile construction sites and service calls
- Titanium combustion chamber and light aluminium hand grip
- No flare-up effect thanks to special Multigas 110 gas cartridge
- Usable in any position (360°) with a constantly stable flame
- Special wind stability due to the combustion chamber's protective design
- Piezo ignition and exact adjustment with a fine regulator valve
- For sheet metal work such as roof gutters, panels and roof edges,- ventilation shafts, etc.
- Robust metal case for safe transport

TECHNICAL DATA

Copper piece temperature:	600 °C
Heat effect:	945 W
Ignition:	Piezo
Consumption:	75 g/h at 2 bar
Handle diameter:	50 mm
Weight incl. copper piece and cartridge:	890 g

Wind-stable titanium combustion chamber

Soldering without an open flame

High performance Piezo ignition

Reliable up to 20,000 ignitions

Ergonomic handle

Light and stable thanks to high quality aluminum

Replaceable copper pieces

2 screw-on copper pieces for many applications



Fine regulator valve with shut-off function

Precise adjustment of the protected flame

Integrated support rack

Safe placement of the soldering device

Professional soft soldering with high mobility and safety





Fig. MULTI MOBILE Set

Set (No. 1000000390) includes: MULTI MOBILE soft-soldering cartridge tool incl. hammer shaped copper piece 250g (No. 1000000514), 2 Multigas 110 gas cartridge (No. 1500000459), 2 nozzles (No. 1500000461), steel case (No. 1500000460)

Model	g	No.
Copper piece, hammer shape	250	1000000514
Copper piece, pointed shape	245	1000000512

Model		No.
MULTI MOBILE Set		1000000390
Multigas 110 gas cartridge	12	1500000459

MULTI 300 Propane Soft Soldering Kit

For soft soldering of copper pipes, for tin and lead soldering, for tinning, warming up, flame cleaning, etc.

Product Profile

KEY FEATURES

- For all types of fine soldering in the areas of electronics and telecommunications
- For working with lead (gutters, laminations and roof edging, ventilation shafts, etc.)
- Propane handle with heat insulated wooden grip
- Rotatable air / rotary valve for the adjustment of an especially fine flame
- Rotatable hose coupling M10 x 1 LH

TECHNICAL DATA

- With longer ball spindle and dual spring control
- Favourable working pressure with 1.5 bar



No. 35488 Fig. similar



Fig. similar

Model	kg	No.
MULTI 300 / Set A without propane regulator	4.1	35486
MULTI 300 / Set A with propane regulator (No. 242206000)	4.3	35489
MULTI 300 / Set B	9	35488

3-part set (No. 35486) includes: Soft soldering iron copper head with 350 g flat (No. 520849), 2 m propane hose (No. 30927), small propane cylinder 0.425 kg with hook (No. 33079)

13-part set (No. 35488) includes: Soft soldering iron with copper head 350 g flat (No. 520849), soft soldering torch Ø 17 mm (No. 520856) / Ø 20 mm (No. 520857), wide torch 45 mm (No. 520845), propane regulator 0-6 bar (No. 242206000), 2 m propane hose (No. 30927), small propane cylinder 0.425 kg with hook (No. 33079), refilling adaptor (No. 32207), torch spanner (No. 35530), open-ended spanner (No. 32073), safety igniter (No. 32077), replacement flints (No. 32088), steel case (No. 35487)

ACCESSORIES

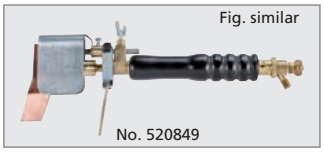
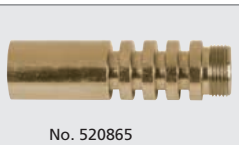


Fig. similar
No. 520849



Fig. similar
No. 520850



No. 520865



No. 520866



No. 520867



No. 32099



No. 32098 / 32075



No. 520856



No. 520857



No. 30927

Model	g	No.
Soft soldering iron with handle, iron torch, Iron Holder, wind protector, copper head flat 350 g	940	520849
Handle with hose coupling M 10 x 1 L	300	520850
Iron Burner with coupling M 15 x 1	70	520865
Iron Holder with foot	100	520866
Wind protector	100	520867
Safety igniter	60	32077

Model	g	No.
Copper Head 250 g flat	270	32098
Copper Head 250 g pointed	270	32099
Copper Head 350 g flat	370	32075
Soft soldering torch size 5, Ø 17 mm, M 15 x 1	70	520856
Soft soldering burner size 7, Ø 20 mm, M 15 x 1	120	520857
Steel case	3,390	35487
Replacement flints, tin with 5 pieces	15	32088

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

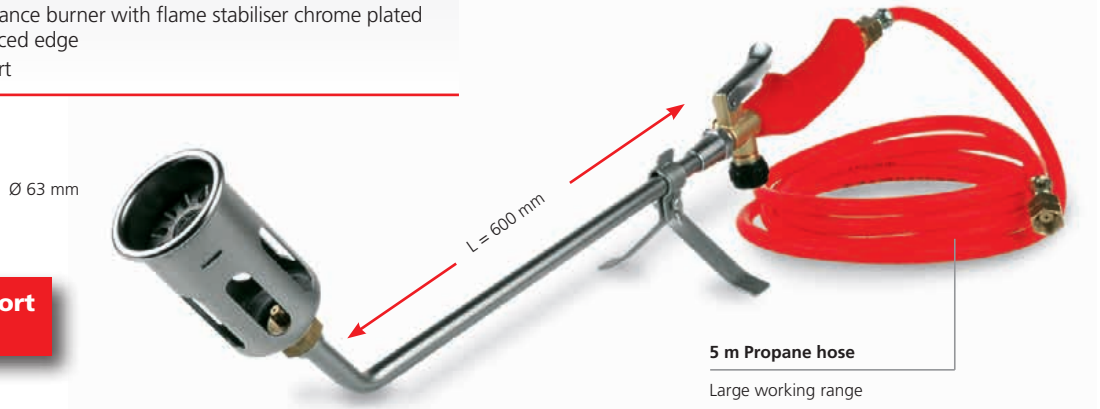
- Large working range with 5 m propane hose
- Efficient use even in adverse weather conditions with the flame stabiliser
- High-performance burner with flame stabiliser chrome plated with a reinforced edge
- Burner support

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), 5.0 m propane hose (No. 32203), torch support (No. 252010000)

Model	g	No.
ROOFING-Set	1,920	**30954**
ROOFING-Set	1,960	**030955X**
(as 30954, with Piezo ignition)		
ROOFING-Set	2,300	**30957**
(as 30954, with pressure regulator 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.
45	102	2500	32.00 – 27,500 – 109,280	240	**223090616**
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. 32081


No. 242206000


No. 30925

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

Propane Hose Failure Protection

Nominal pressure 1.5 - 4 bar, brass, DIN / DVGW tested.

Automatic interruption of gas supply if hose is damaged or loosened, push-button for resetting after interruption

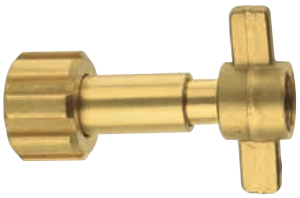
Inlet	Outlet	Performance kg/h	g	No.
G 3/8" LH	G 3/8" LH	10	130	35925



Refilling Adaptor

For refilling 0.425 kg propane cylinders from 3kg, 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 33079				35636



7

ROTHERM 2000

Electric soft soldering unit up to Ø 54 mm / 2.1/8“

RO SERVICE+ [1] | 360° | 230 V | Basic | IDEAL FOR up to 54 mm SOFT SOLDERING

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

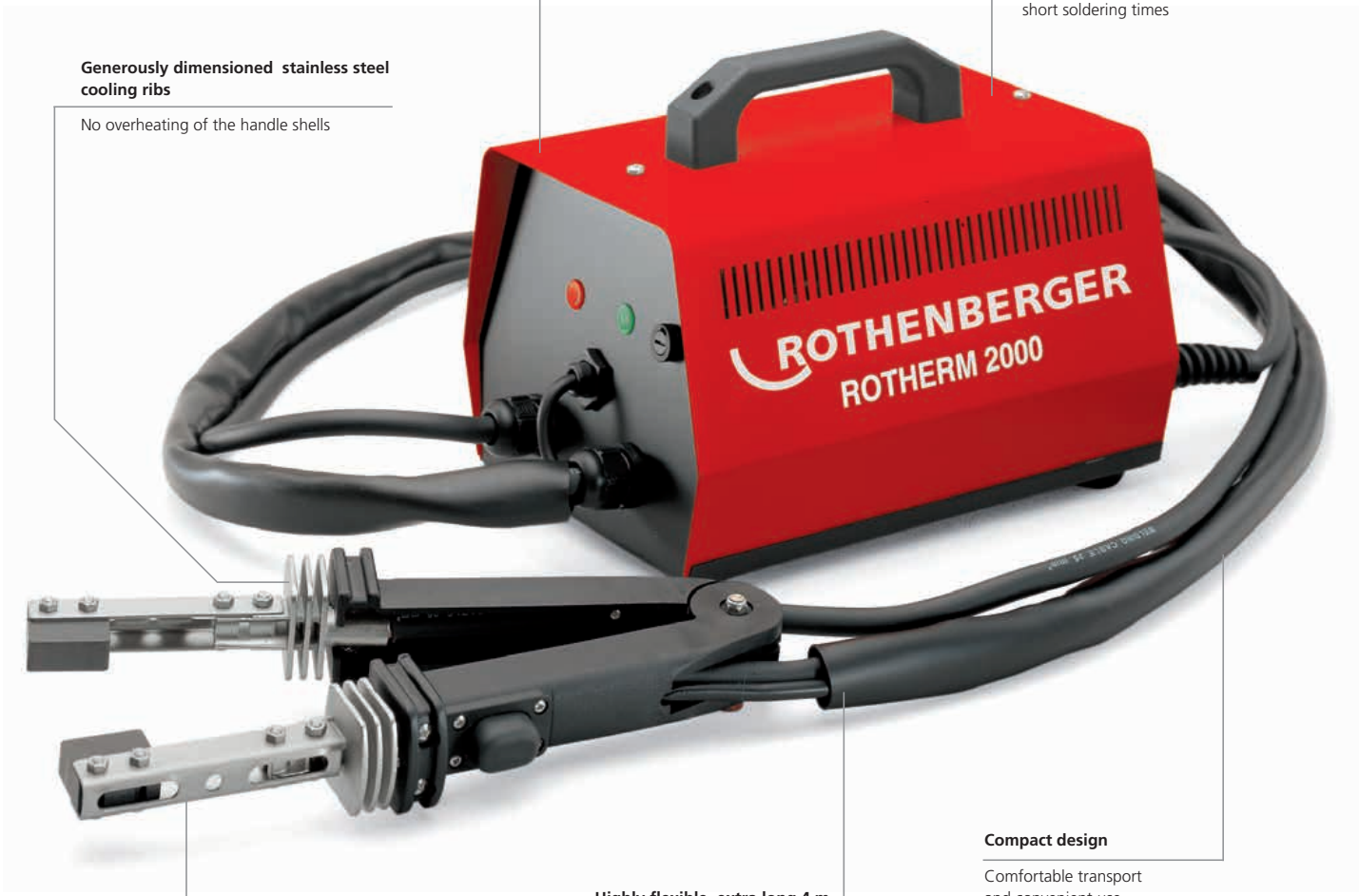
KEY FEATURES

- 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 watts
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

2000 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 wall or floor covering, or from plastic parts, etc

[1] Complete terms and conditions at www.rothenberger.com/service. 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), Cu. Internal brushes 10 mm (No. 854180) / 12 mm (No. 854181) / 15 mm (No. 854183) / 18 mm (No. 854185) / 22 mm (No. 854186), steel case (No. 36715)

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



Warming up of the soldering joint without open flame



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®	173
Solder Flux	168
Solders	175
Internal brush 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

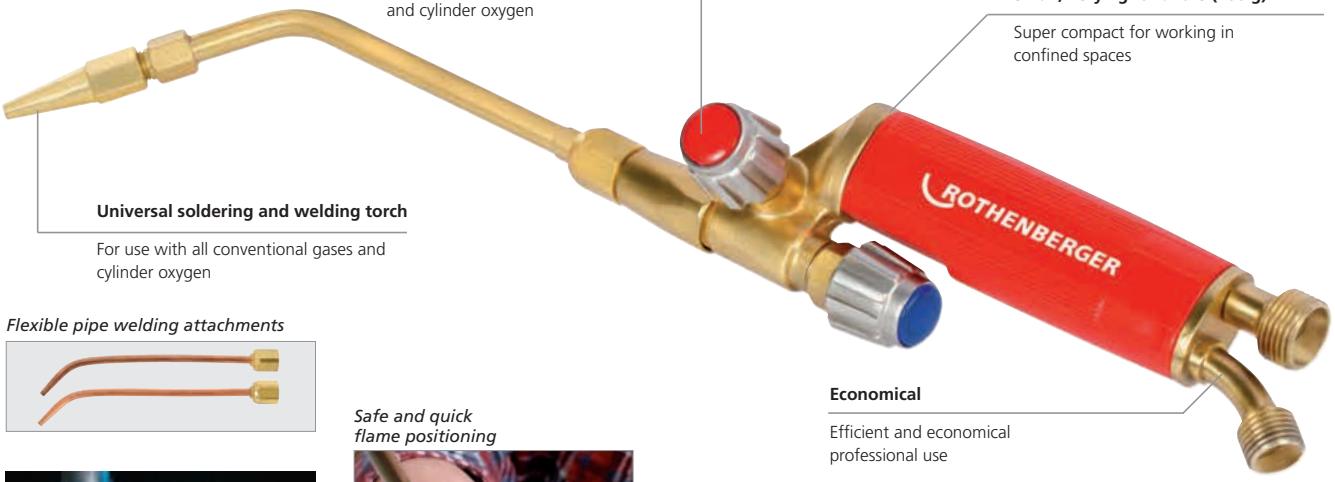
- For use with all conventional gases and cylinder oxygen
- Practically complete emptying of gas cylinders (money-saving)
- Super compact for working in confined spaces
- Efficient and economical professional use

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



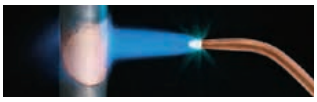
Universal soldering and welding torch

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



20-part set (No. 35300) includes: Handle (No. 35303), mixing burners with union nut (No. 35304), 5 welding tips 0.2 mm (No. 35305) / 1 - 2 mm (No. 35306) / 2 - 3 mm (No. 35307) / 3 - 4 mm (No 35308) / 4 - 5.0 mm (No. 35309), pipe welding tips, size 1 (No. 35313) / size 2 (No. 35314), coupling 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
Handle ALLGAS 2000	G 1/4" RH	G 3/8" LH	280	35303
Mixing burners with union nut			40	35304

Welding tips, Welding attachments

Model	Welding range mm	g	No.
Welding tip size 1	0.2 - 1.0	10	35305
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
Dispersion burners for warming up		20	35311
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

Further accessories can be found on 156

ALLGAS 2000 PS 0.5 / 2 Compact

Portable brazing equipment with carrying frame

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

Product Profile

KEY FEATURES

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

TECHNICAL DATA

Gas:	Propane and oxygen
Flame temperature:	2,850 °C
Working temperature:	1,150 °C

With safety devices to prevent flashbacks

24-part set (No. 35655) includes: Handle Allgas 2000 (No. 35303), 2.5 m propane hose (No. 32201), 2.5 m oxygen hose (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 mm (No. 35305) / 1 - 2 mm (No. 35306) / 2 - 3 mm (No. 35307) / 3 - 4 mm (No. 35308) / 4 - 5 mm (No. 35309), flexible welding tip 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 Set	21.4	35655
Carrying frame without accessories	10.3	35629

Further accessories can be found on 170

Carrying comfort







The bottle colours shown are without obligation!
Fig. similar

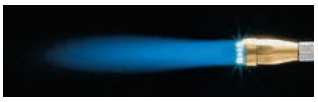
ALLGAS 2000 Welding Tips

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



Welding Tips, thread M8 X 1

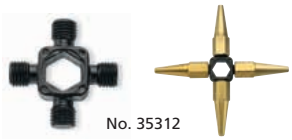




Model	Welding range mm	g	No.
Welding tip size 1	0.2 - 1.0	10	35305
Welding tip size 2	1.0 - 2.0	10	35306
Welding tip size 3	2.0 - 3.0	10	35307
Welding tip size 4	3.0 - 4.0	10	35308
Welding tip size 5	4.0 - 5.0	10	35309
Dispersion burners for warming up		20	35311
Welding tip holder, can be used as a spanner		20	35312



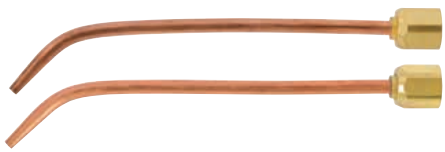
No. 35311



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

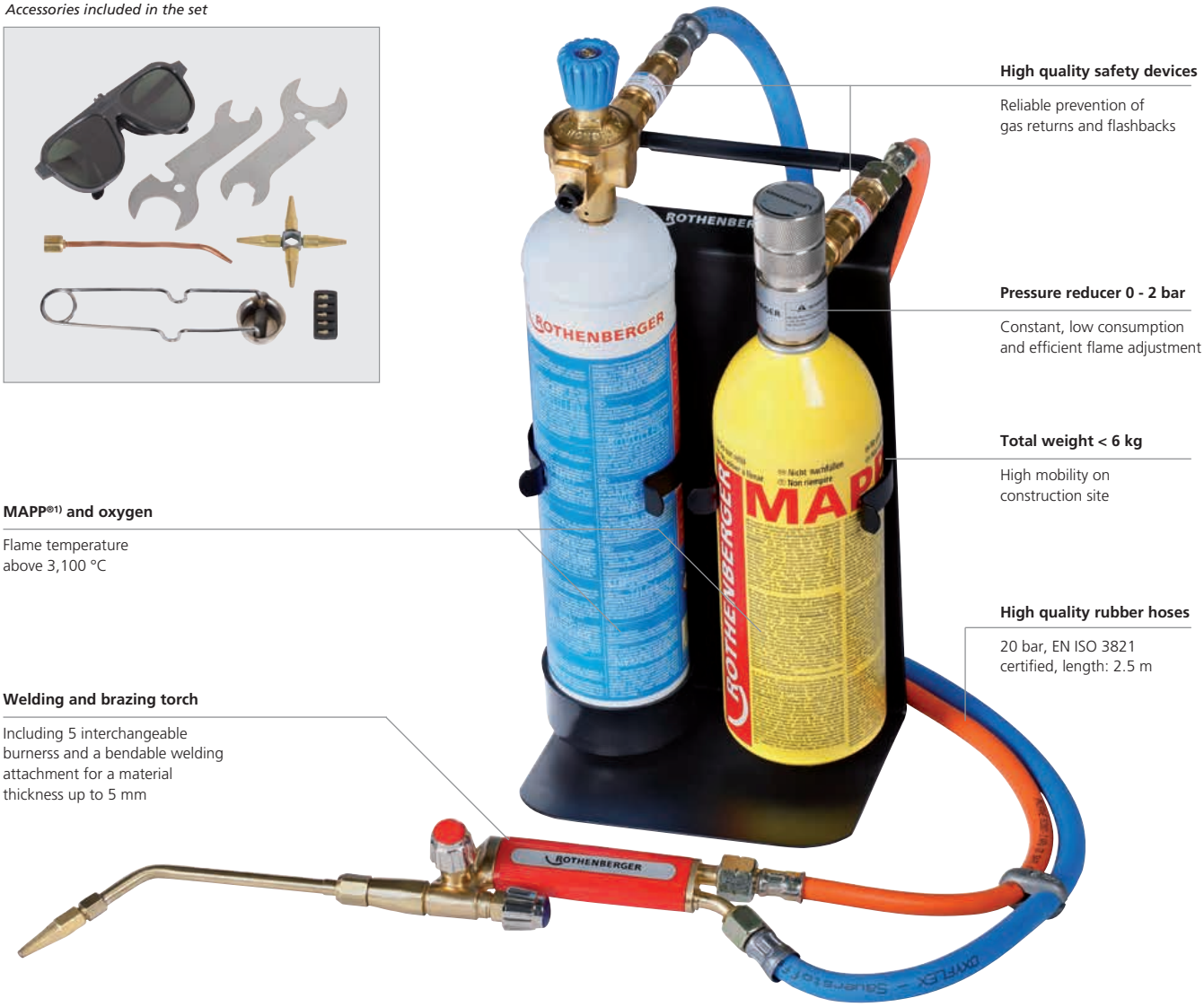
KEY FEATURES

- 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®-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®-gas with oxygen
Flame temperature:	over 3,100 °C
Working temperature:	1,300 °C

Accessories included in the set



High quality safety devices

Reliable prevention of gas returns and flashbacks

Pressure reducer 0 - 2 bar

Constant, low consumption and efficient flame adjustment

Total weight < 6 kg

High mobility on construction site

MAPP®[1] and oxygen

Flame temperature above 3,100 °C

High quality rubber hoses

20 bar, EN ISO 3821 certified, length: 2.5 m

Welding and brazing torch

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

Model	kg	No.
ALLGAS Mobile Pro 1" US, w/o cartridges	3.86	1000000529
ALLGAS Mobile Pro 1" US, incl. cartridges	5.95	1000000743
ALLGAS Mobile Pro 7/16" EU, w/o cartridges	3.86	1000000642
ALLGAS Mobile Pro 7/16" EU, incl. cartridges	5.70	1000000558
MAPP® [1] Gas 1" US, 750 ml	0.67	35698
MAPP® [1] Gas 7/16" EU, 750 ml	0.67	035551-A
Oxygen, 110 bar	1.33	35750

Model	kg	No.
Pressure regulator 1" US f. MAPP® [1] / LPG	0.38	1000000620
Pressure regulator 7/16 " EU f. MAPP® [1] / LPG	0.35	1000000627
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 colours 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: Handle Allgas 2000 (No. 35303), 2.5 m propane hose (No. 32201), 2.5 m oxygen hose (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 mm (No. 35305) / 1 - 2 mm (No. 35306) / 2 - 3 mm (No. 35307) / 3 - 4 mm (No. 35308) / 4 - 5 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 Set	14.4	35651

Further accessories can be found on 170

ROXY 400 L

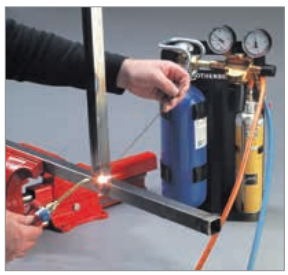
Standard gas-welding equipment for flame temperatures up to 3,100 °C

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



The bottle colours shown are without obligation!

Space saving storage in service vehicles!



20-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, 3.100 °C, complete	10.80	035780X
ROXY 400 L without Oxygen	6.0	35782
Welding-handle f. ROXY, M14x1	0.12	35580
ROXY dual hose set 3 m	0.95	35785
Micro-tip adaptor– ROXY Serie	0.01	35585
Micro-tip – ROXY Serie – 0.3 mm	0.01	35712
Micro-tip – ROXY Serie – 0.4 mm	0.01	35695
Micro-tip – ROXY Serie – 0.5 mm	0.02	35696
Micro-tip – ROXY Serie – 0.6 mm	0.02	35697
Micro-tip – ROXY Serie – 0.7 mm	0.02	35713
High-performance tip 0.7 mm for 263005500	0.06	263005800
High-performance tip 1.2 mm for 263005500	0.04	263005700
High-performance tip 1.5 mm for 263005500	0.04	263005600
High-performance tip 2.0 mm for 263005500	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



The bottle colours shown are without obligation!

Including gas cylinders and dual-telescoping transport trolley!

27-piece set (No. 35400) includes: Handle with coupling nut (No. 35324), welding attachments 0.5 - 1 mm (No. 35325) / 1 - 2 mm (No. 35326) / 2 - 4 mm (No. 35327) / 4 - 6 mm (No. 35328) / 6 - 9 mm (No 35329) / 9 - 14 m (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),5m dual hose set A/O (No. 35222), acetylene pressure reducer 1.5 bar (No. 35794), oxygen pressure reducer 10 bar (No. 35634), 2 each - protective rubber caps, red (No. 511428) / blue (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!

25-part set (No. 35403) includes: Handle with coupling nut (No. 35324), welding attachments 0.5 - 1 mm (No. 35325) / 1 - 2 mm (No. 35326) / 2 - 4 mm (No. 35327) / 4 - 6 mm (No. 35328) / 6 - 9 mm (No 35329) / 9 - 14 m (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), 5 m dual-hose package A / S (No. 35222), acetylene pressure reducer 1.5 bar (No. 35794), oxygen pressure reducer 10 bar (No. 35634), 2 each - protective rubber caps, red (No. 511428) / blue (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 10/100

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



The bottle colours shown are without obligation!

Including gas cylinders and dual-telescoping transport trolley!

27-part set (No. 35401) includes: Handle with coupling nut (No. 35324), welding attachments 0.5 - 1 mm (No. 35325) / 1 - 2 mm (No. 35326) / 2 - 4 mm (No. 35327) / 4 - 6 mm (No. 35328) / 6 - 9 mm (No 35329) / 9 - 14 m (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), 5 m dual-hose package A / S (No. 35222), acetylene pressure reducer 1.5 bar (No. 35794), oxygen pressure reducer 10 bar (No. 35634), 2 each - protective rubber caps, red (No. 511428) / blue (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 as in 35401, cutting range 3.0 - 25 mm	65	35798

RE 17 UNIVERSAL Pipe Welding Set

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

Set (No. 35479) includes: Handle with coupling nut (No. 35324), welding attachments 2 - 4 mm (No. 35327) / 4 - 6 mm (No. 35328) / 6 - 9 mm (No. 35329), flexible pipe-welding tips 2 - 4 mm (No. 35347) / 4 - 6 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 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		



No. 35480



No. 35324

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

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

Pipe welding attachment, complete



RE 17 Wing-lever Cutting Attachment

Model	g	No.
Cutting attachment without tips	820	35338





No. 35338



No. 35341
No. 35344
No. 35345



No. 35339

RE 17 Cutting Tips and Heating Burners

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

Accessories Soldering & Welding



Oxy-Acetylene Hoses

Top quality in accordance **with ISO 3821** (former EN 559), with strong inlay, durable and flexible, rubber, mounted with sleeves and nuts



Oxygen Hoses

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

Acetylene Hoses

L m	Inlet	Outlet	Internal Ø x Wall thickness	kg	No.
2.5	G 3/8" LH	G 3/8" LH	6.3 x 3.5	0.5	35203
5.0	G 3/8" LH	G 3/8" LH	6.3 x 3.5	1.1	33312



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



Included in delivery for steel cylinders without cap, protective bracket



The bottle colours shown are without obligation!

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	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

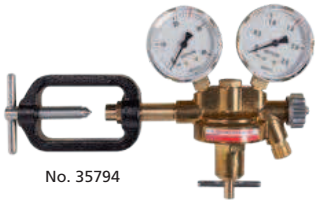
Model	kg	No.
Transport Trolley for 5 / 10 l acetylene / oxygen cylinders	8.9	35354

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, 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


No. 35794

Blowback Prevention

Safety devices (flashback arrestors) according to EN 730-1 and ISO 5175-1, type tested, with flame arrestor (FA) and non-return valve (NV). 540360 and 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
Reducer-mounted, fuel gas	1.5 bar (Ace)	G 3/8" LH	120	1000000631
	4.0 bar (propane/CNG)			
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

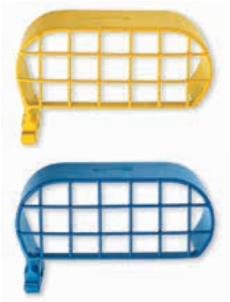

No. 540365


No. 1000000762

Protective Guard for Pressure Reducer

Impact protection, rugged steel construction, mounts on connection coupling

Model	Colour	g	No.
For oxygen pressure reducer	blue	820	35146
For acetylene pressure reducer	yellow	820	35140





Protective Rubber Cap

With slot, open

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





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 with 5 pieces	15	32088


No. 32077


No. 32088

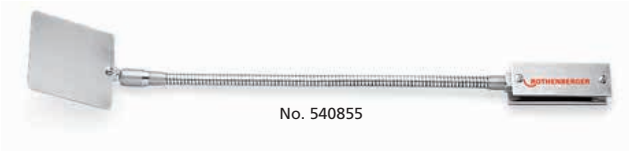
Accessories Soldering & Welding



No. 540850

Hand-held Welding Mirror

Model	g	No.
Steel wire handle with clamp / ball joint	280	540850
Spare steel mirror	50	540851



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.
11 piece, in folding case	20	510105



Torch Spanner

Model	g	No.
With 10 SW	210	510106



Soldering Flux and Container for Hydrochloric Acid

Model	g	No.
With screw cap retaining band for 150 ml Content	40	530250



Ammonia stone

For cleaning of copper pieces after soft soldering

Model	L x B x H		g	No.
Ammonia stone, pressed	65 x 45 x 40 mm	1	15	530310



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
	A 5	90	540641
Replacement glass (Ø 50 mm)	A 4	30	540675
	A 5	10	540676

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®	1(10)		80	45268
ROVLIES® counter display		36(10)	2,180	045268D





Internal Brushes for Copper Pipe

For fast cleaning of the soldering surface, rugged plastic handle

mm	g	No.	mm	g	No.
8	60	854179	16	120	854184
10	70	854180	18	120	854185
12	80	854181	22	140	854186
14	90	854182	28	140	854187
15	100	854183	35	160	854188



Hand Wire Brushes

Model	Number of rows	g	No.
Standard steel	3 rows	130	561351
Standard steel	4 rows	130	561352



Welding blanket

Flame and heat resistant up to 700° C

- Permanent heat resistance up to 600° by direct flame contact and molten slag
- Good formability, long service life, asbestos-free and poses no health hazard
- Bonded edges

Thickness: 1.4 mm
Weight: 1,000 g/m²



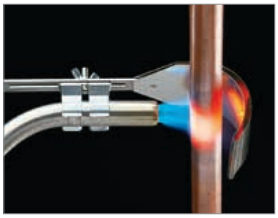


Model	L x W x H	g	No.
Welding blanket	500 x 330 x 5 mm	300	31050

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

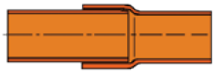
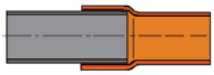
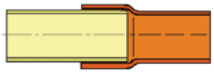
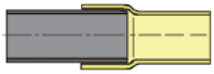
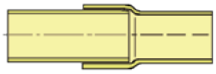
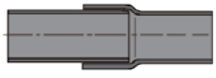
Standard type according to EN 9453	Solder composition in weight %	Melting range °C	Suitable for soft soldering in the plumbing industry			Recommended heat source
			Pipe Material	Fittings material	Recommended Flux according to EN 94454-1	
S -Sn97Cu3	Sn 97, Cu 3	230 - 250	Copper	Copper, gunmetal, brass	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 93,8 / P 6,2	710 - 880	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 91,7 / P 6,3	650 - 810	740	Copper	Copper Gunmetal Brass	without flux with flux	FH 10 or LP 5	
CuP 281	Ag 5 / Cu 89 / P 6	650 - 810	710	Copper	Copper Gunmetal Brass	without flux with flux	FH 10 or LP 5	
CuP 284	Ag 15 / Cu 80 / P 5	650 - 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	

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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 - 880 °C 650 °C - 810 °C 650 °C - 800 °C	710 °C 730 °C 710 °C 710 °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 - 880 °C 650 °C - 810 °C 650 °C - 810 °C 650 °C - 810 °C	730 °C 730 °C 710 °C 710 °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 - 880 °C 650 °C - 810 °C 650 °C - 810 °C	730 °C 710 °C 710 °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

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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 + 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

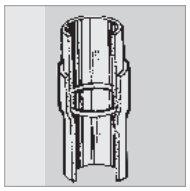
KEY FEATURES

- 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 re-work of the soldered joint

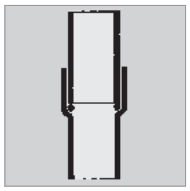
TECHNICAL DATA

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

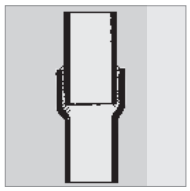
Simple insertion



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 12 mm	395 pieces	260	40512
Hard solder rings S 2, Ø 14 mm	268 pieces	260	40514
Hard solder rings S 2, Ø 15 mm	244 pieces	260	40515
Hard solder rings S 2, Ø 18 mm	186 pieces	260	40518
Hard solder rings S 2, Ø 22 mm	106 pieces	260	40522
Hard solder rings S 2, Ø 28 mm	79 pieces	260	40528



Hard Solder Paste LP 5

Flux for hand 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 550 °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



Flux Brush

Model	Width mm	Length mm	g	No.
Flux Brush	13	140	20	530261

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 pipeswithout 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 gives 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 93.8 / P 6.2
Melting range:	710 °C- 880 °C
Working temperature:	760 °C
Joinable materials:	Copper, gunmetal, brass, bronze
Flux required with:	Gunmetal, brass, bronze with LP 5

Content	Squared section mm	Length mm	g	No.
1 kg carton	2 x 2	500	1,025	40094
400 g blister	2 x 2	500	420	1000000133

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:	710 °C - 820 °C
Working temperature:	720 °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
400 g blister	2 x 2	500	420	1000000135

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 5 / Cu 89 / P 6
Melting range:	650 °C - 810 °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
400 g blister	2 x 2	500	420	1000000134



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
400 g blister	2 x 2	500	420	1000000137

TECHNICAL DATA

Melting range:	710 °C - 820 °C
Working temperature:	720 °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

Content	Square section mm	Length mm	g	No.
1 kg carton	2 x 2	500	1,025	40005
400 g blister	2 x 2	500	420	1000000136

TECHNICAL DATA

Alloy (weight %):	Ag 5 / Cu 89 / P 6
Melting range:	650 °C - 810 °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:	650 °C - 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 / S 34 Cu U flux-covered

Free of cadmium, quality silver hard solder **guaranteed according to EN ISO 17672,** plain (S 34 Cu) or flux-covered **according to EN1045 FH 10** (S 34 Cu U), 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
Flux required:	for S 34 Cu generally with hard solder paste LP 5

Content	mm	g	S 34 No.	S 34 U No.
100 g plastic bag	2	110	**44910**	**44915**
250 g plastic bag	2	260	**44911**	**44916**
1000 g plastic bag	2	1,010	**44912**	**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,** plain (S 45 Cu) or flux-covered according to **EN 1045, Type FH 10** (S 45 Cu U), 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
Flux required:	for S 45 generally with hard solder paste LP 5

Content	mm	g	S 45 No.	S 45 U No.
100 g plastic bag	2	110	**45050**	**45055**
250 g plastic bag	2	260		**45056**
1000 g plastic bag	2	1,010	**45052**	**45057**


ROTHENBERGER
WP 225 bar / 3263 psi - AQI15 201512T1



Testing & Leak Detection

System Overview Testing & Leak Detection 182

Testing of Water Lines & Containers

Testing Pumps 183 - 185

Testing of Gas- & Water Lines

Digital Testing Device 186-187

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Accessories Testing Devices 189

Testing of Waste Water Lines

Leakage Testing in Accordance with DIN EN 1610 190

Leak Detection on Gas Lines

Leak Detection on Water Lines 190

Leak Detection Spray 191

Leak Detection Device 191

Overview Testing Pumps

Precision Testing Pumps manual

	RP 50-S / RP 50-S INOX	TP 25	RP 30
			
Testing & 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:	720 x 120 x 260 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	**183**	**185**	**185**

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Testing Pumps electric

	RP PRO III
	
Testing & 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	**184**

Analogue / Digital testing device for gas and water connections

	ROTEST® GW 150/4	ROTEST® GW Digital V3
		
Pressure range: **Low pressure sensor**	0 - 150 bar (resolution 0.1 bar)	0 - 1500 bar (resolution 0.1 bar)
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	**188**	**186**

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):	720 x 170 x 260 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

Weather and cold-resistant container

5 year rust-free guarantee - DURAMANT® coated



No. 60200

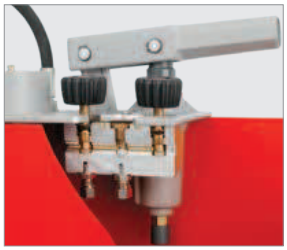
INOX!



No. 60203

Model	kg			No.
RP 50-S Testing Pump	8	1	4	60200
RP 50-S INOX (stainless steel) Testing Pump	8	1	4	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



ACCESSORIES

Model	g		No.	Model	g		No.
Maintenance package	100	1	60201	High pressure hose with 1/4"-1/2" connection	490	1	R6112500
Double nipple 1/2" to 3/4"	100	1	60999	Extra 16 bar pressure gauge with drag indicator R1/4"	100	1	61315

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

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

Optimal weight distribution

Comfortable to carry

Valve for pressure adjustment

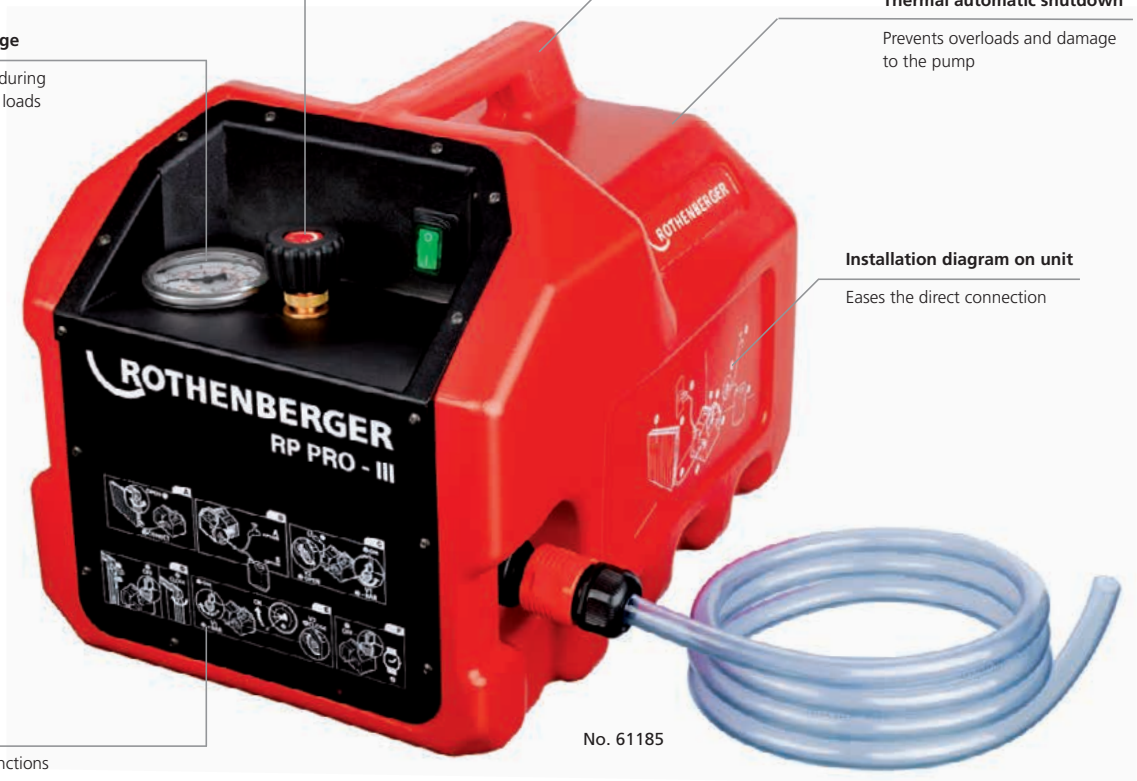
Precise labelling on handle

Thermal automatic shutdown

Prevents overloads and damage to the pump

Glycerine pressure gauge

Easy for the user to read during high dynamic alternating loads



Installation diagram on unit

Eases the direct connection

Function Overview

Direct overview of the functions

No. 61185

Model	kg	110 V	220 V
Testing pump RP PRO III self-priming with power cable, high-pressure hose and 1/2"connection, filling hose	16.0	V12110016	61185
Filling hose with adaptor	0.5		61001
Testing hose with R 1/2"connection	0.4		V12102000
Maintenance package RP PRO III in scope of delivery			61186

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

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.
TP 25 Testing Pump	up to 25 bar	4.6	1	4	60250
Maintenance package TP 25			1		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	4	61130
Testing hose		0.4	1		R6112500

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.

Product Profile

KEY FEATURES

- 4.3" Touchscreen or physical buttons for an easy handling
- Pressure and leakage testing for gas pipelines according to TRGI 2008
- Leak rate measurement for gas pipelines according to TRGI 2008 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 – 1,500 mbar (resolution 0.1 mbar)
High pressure sensor:	Pressure range 0 – 20 bar (resolution 0.01 bar)
Leak rate measurement:	Leak rate 0 – 12 l / h (resolution 0.1 l / h)
Safety class:	IP40
Weight:	5.25 kg

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 up to 20 bar in one device



No. 1500002677

Pressure and leakage testing for gas pipelines according to TRGI 2008



Testing of gas pressure regulators



Model	No.
ROTEST GW Digital V3 – Set gas	1500002676
ROTEST GW Digital V3 – Set gas / water	1500002677

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

ROTEST® GW Digital V3 - RoData V3 PC-Software

PC software for data management of all tests carried out

Product Profile

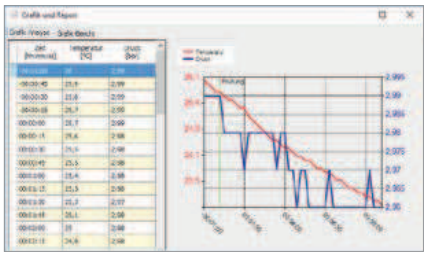
KEY FEATURES

- 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

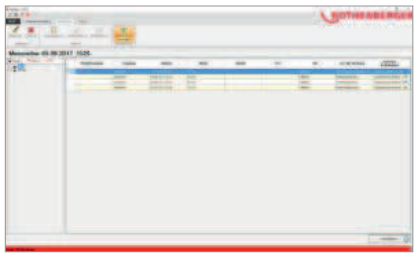
TECHNICAL DATA

RoData V3 PC-Software:

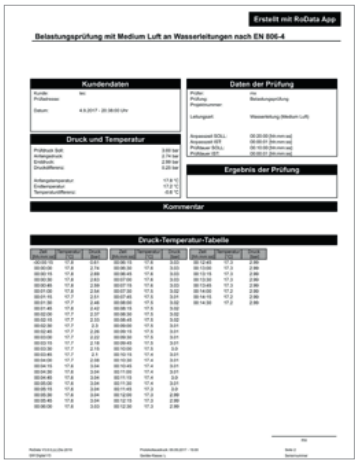
Compatibility:	Windows 2000, XP, 7, 8, 10
Size:	16.2 MB



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.)

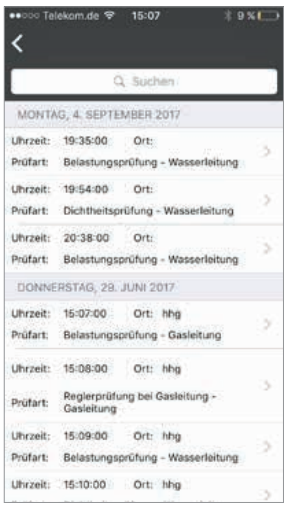
TECHNICAL DATA

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 G600 (April 2008)

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
Water column:	150 mbar
Testing accuracy:	Water column 0.1 mbar (Reading accuracy in accordance with TRGI)
	Pressure gauge 0.1 bar (Display range 0 - 4 bar)

DVGW-TRGI / worksheet G600/April 2008 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

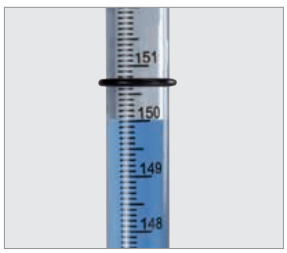
Foam inlay

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 www.rothenberger.com/service. RO SERVICE+ only valid in participating countries.

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	1500002853
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 2m High pressure + shut-off valve	0.20	1500002845
Hose 2m 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



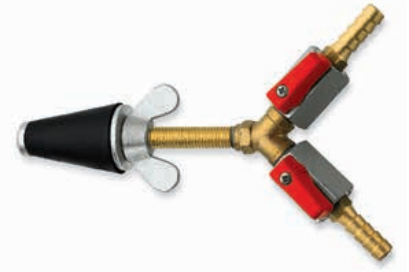
Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	g	No.
Cylindrical shape with pneumatic connection				
Size 1	3/4"	22	60	351271
Size 2	1"	28	75	351272



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



House Connection Test Set

Set for testing in accordance with DIN EN 1610 and 1986 in combination with GW Digital (version 2.1 or newer)

DIN -Norm

Product Profile

APPLICATION AREA

Testing balloon and accessories for the leakage testing of ground water piping using air in accordance with **DIN EN 1610 and DIN 1986, part 30**. Suitable for nominal diameters of 65 to 250 mm



No. 61340

KEY FEATURES

- Handy set: One testing and sealing balloon for the most common pipe diameters (included in set are diameters 75 - 150 mm, additional balloons available in accessories)
- Easier positioning of the balloon, even in hard to reach places using various push and filling rod sizes
- Body material is made out of aluminium and eases the positioning of the testing balloon through the pipe system
- Sturdy balloons made of natural rubber are temperature, use and waste water resistant. If the balloon becomes damaged, a simple repair is possible

TECHNICAL DATA

Maximum operating pressure: 1.5 bar
Push rod length: 10 m

11-part House Connection Test Set (No. 61340) includes:
sealing balloon NW 75-150 (No. 61352), testing balloon NW 75-150 (No. 61359), filling hose (No. 61365), test valve, filling valve (No. 61367), push rod (No. 61380), holding rope (No. 61368), upright pump with pressure gauge (No. 61369), plastic case (No. 61370), cover (No. 91123), plastic case inlay for upright pump (No. 91122)

Model	kg		No.	Ø Testing/Sealing balloon	Testing balloon No.	Sealing balloon No.
House Connection Test	7.8	1	**61340**	Ø 65 - 100 mm	**61358**	–
				Ø 75 - 150 mm	**61359**	**61352**
				Ø 90 - 250 mm	**61360**	**61353**

8

ROLeak Aqua Plus

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

RO SERVICE+ [1]

Product Profile

KEY FEATURES

- Leak detection for various pipe materials
- Amolifies flow noise for exact detection of leaks





Acoustic Leak detection of heating installations



KEY FEATURES

- Wireless signal transmission to headphone
- Digital Display of the Volume
- Simplyfied two-button usage

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. 50 h
Weight: 300 g (Handheld device)
Level of protection: IP 41

Improved Sound compared with previous models!

6-parts Set (1500000922) includes: Basic Unit, Headphones, Magnetic adaptor, 2 x Extensionstick, Tripod-adaptor, Plastic case

Model	kg	No.
ROLeak Aqua Plus	1.6	**1500000922**

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

ROTEST® Electronic 3

Leak detection on gas lines

Product Profile

APPLICATION AREA

For the detection of gas in room, as well as leaks in pipes.
Detects all flammable methane based gases

KEY FEATURES

- Leaks are optically as well as acoustically displayed
- With the help of the 42 cm long, flexible testing head and the integrated lamp, even dark and hard to reach places can be tested
- Quick and precise leak location of even the smallest leak source: The sensitivity of the unit can be adjusted continuously in a range from < 50 ppm - 1 Vol %
- Shock-proof soft case jacket and simple one-handed operation of the unit for use on the building site
- Optical display of battery status

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)
Power supply: 9 Volt battery



Set (No. 66080) includes:
ROTEST® Electronic 3, 9 V battery, plastic carrying case (No. 66085)



Finds leaks easily



Model	kg	No.
ROTEST® Electronic 3	1.5	66080

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

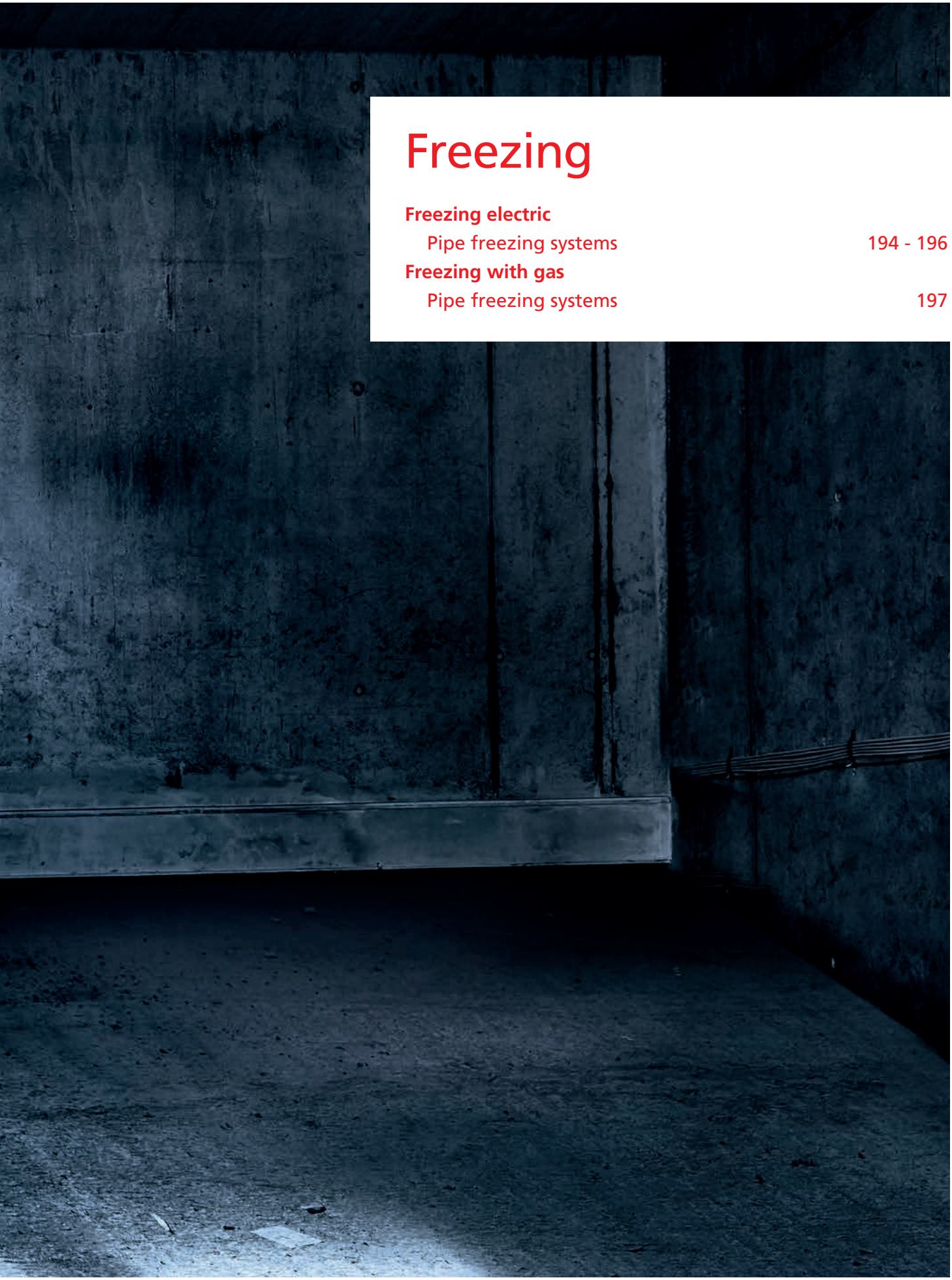




Model	Content	g		No.
ROTEST® Leak Detection Spray	400 ml	470	1	65000
ROTEST® Leak Detection Spray	400 ml	470	12	1000000442

[1] Complete terms and conditions at www.rothenberger.com/service.
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ROFROST TURBO
ROFROST TURBO II
ROTHENBERGER
ROTHENBERGER
ROFROST TURBO



Freezing

Freezing electric

Pipe freezing systems 194 - 196

Freezing with gas

Pipe freezing systems 197

Freezing

System Overview

	Freezing electric		Freezing with Gas	
	ROFROST® TURBO 1.1/4"	ROFROST® TURBO 2"	ROFROST® Dry Ice	ROFROST® Handy
				
Working range Cu:	10 - 42 mm (3/8 -1.3/8")	10 - 54 mm (3/8 - 2.1/8")	10 - 54 mm (1/2 - 2.1/8")	15 - 28 mm
Working range Fe:	1/8 - 1.1/4"	1/8 - 2"	1/8 - 2"	1/4 - 3/4"
Reduction inserts:	up to 12 pcs.	up to 15 pcs.	up to 10 pcs.	4 pcs.
Freezing hose:	2.5 m	2.5 m	2 m	–
Refrigerant:	R 404 A	R 404 A	CO_2 (R 744)	R 134 A
Page	**194, 195**	**194, 195**	**197**	**197**

ROFROST® TURBO 1.1/4" / ROFROST® TURBO 2"

Pipe freezing system for copper, steel and stainless steel



Temperature display easy to read and rotatable

Safe, controlled freezing and monitoring

Simple and flexible use in all situations!



Simple clamping system

For use even in confined spaces

Compact design

Portable use, optimal for service industry



For pipes with Ø 10 mm - 54 mm

Reduction inserts in various sizes

ROFROST® TURBO 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 1.1/4"
	Ø 3/8 - 1.3/8"	ROFROST® TURBO 1.1/4"
Steel pipes:	Ø 1/4 - 1.1/4"	ROFROST® TURBO 1.1/4"

KEY FEATURES

- Safe freezing: Thermometer on the freezer clamp indicates when the pipe is completely frozen
- Reduction inserts in various sizes for all common pipe diameters
- With the flexible hose and the simple clamping system even working overhead and in confined spaces is not a problem
- 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



Model	kg	230 Volt 50/60 Hz
ROFROST® TURBO 1.1/4" with reduction inserts size I, II, III, V, VII, IX, XII (see ROFROST® reduction insert overview)	24.8	62200
Expansion set for ROFROST® TURBO with reduction inserts size II, III, V, VII		62230
additional sets upon request		

ROFROST® TURBO 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 2"
	Ø 3/8 - 2.1/8"	ROFROST® TURBO 2"
Steel pipes:	Ø 1/4 - 2"	ROFROST® TURBO 2"

KEY FEATURES

- Safe freezing: Thermometer on the freezer clamp indicates when the pipe is completely frozen
- Reduction inserts in various sizes for all common pipe diameters
- With the flexible hose and the simple clamping system even working overhead and in confined spaces is not a problem
- 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

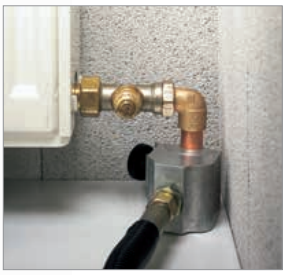


Model	kg	230 Volt 50/60 Hz
ROFROST® TURBO 2" basic unit		
with reduction inserts size A, E, F, G (see ROFROST® reduction insert overview) + Heat Conductive Paste	25.6	62203
ROFROST® TURBO 2" basic unit		
with reduction inserts size II, III, V, VII, A, D, E, F (see ROFROST® reduction insert overview) + Heat Conductive Paste	25.8	62206
Expansion set for ROFROST® TURBO with reduction inserts size II, III, V, VII		62230
additional sets upon request		

[1] Complete terms and conditions at www.rothenberger.com/service.
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Excellent overall size for working close to walls or on floors



Can also be used with parallel running pipes and in confined spaces



Trouble-free use near walls



ROFROST® TURBO Reduction Inserts







9

ROFROST® TURBO 1.1/4"

Reduction insert 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 insert 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

Heat conductive paste enables fully automatic freezing without spraying!



No. 62291

For a perfect freezing result



Description	Contents	g		No.
ROFROST® Heat Conductive Paste	150 ml	130	1	62291

ROFROST® Dry Ice Set

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

Set without carbon dioxide bottles!

Produkt-Profil

APPLICATION AREA

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

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

TECHNICAL DATA

Copper pipes: Ø 10 mm - 54 mm
Ø 1/2 - 2.1/8"
Steel pipes: Ø 1/8 - 2"



Use carbon dioxide bottles only with stand pipes

Freezer Heads



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 - 60	1/2 - 2.1/8"	1/8 - 2"	4.9	65030

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
9	54	2.1/8"	-	250	65043
10	-	-	2"	250	65044

ROFROST® Handy

The fast, portable freezing system for copper pipes Ø 15 - 28 mm and steel pipes 1/4 - 3/4"

Product Profile

APPLICATION AREA

Pipe freezing system is ideally for quick repairs and small expansion tasks

KEY FEATURES

- Freezing is possible in the smallest spaces
- Space saving case







10-part set (No. 64020) includes: Quick Freeze freezing spray (No. 64001), Freezing head 1/4" (No. 64021), Freezing head 3/8" (No. 64022) Freezing head 1/2" (No.64023) Freezing head 3/4" (No. 64024), internal hexagonal screwdriver (No. 65046), Foam inlay (No. 64026), Plastic carrying case without inlay (No. 30898), Inlay for plastic carrying case (No. 62045), ROTHENBERGER fleece cloth (No. 93915)

Model	g	No.
ROFROST® Handy	2400	64020
Quick Freeze Freezing Spray	500	64001





Inspection & Locating

System Overview Video Inspection 200 - 201

Video Inspection

ROSCOPE® i2000 Overview 202 - 203

ROSCOPE® i2000 & ROCAM® 4 App 204

Inspection Modules for ROSCOPE® i2000 205 - 207

Locating- & Thermal Image Module for ROSCOPE® i2000 208

ROCAM® 4 Pipe Inspection Camera 208 - 210

Accessories for ROCAM® 4 Pipe Inspection Camera 211

System Overview

ROSCOPE® i2000

App for Smartphone and Tablet
For editing and sending of recorded image data
Available for iOS and Android!



ROSCOPE® i2000 Module

	Module TEC	Module 25/16	Module 25/22	Module ROSCAN 150	Module ROLOC Plus
					
Application:	Hollow Spaces	Ø 50 - 100 mm	Ø 40 - 100 mm	Thermography	Locating of sondes
Display size:	3.5”	3.5”	3.5”	3.5”	3.5”
Touchscreen:	✓	✓	✓	✓	✓
Cable length:	1 m	16 m	22 m	–	–
Cable:	Ø 9 mm	Ø 8.5 mm	Ø 5.5 mm	–	–
Camera head:	Ø 17 mm	Ø 25 mm	Ø 25 mm	–	–
Self levelling:	✓	✓	–	–	–
Transmitter:	–	✓	–	–	–
Frequency:	–	512 Hz	–	–	512 & 640 Hz, 33 kHz
Picture format:	JPG	JPG	JPG	JPG	–
Picture resolution:	640 x 480 Pixel	640 x 480 Pixel	640 x 480 Pixel	640 x 480 Pixel	–
Video format:	AVI	AVI	AVI	AVI	–
Video resolution:	640 x 480 Pixel	640 x 480 Pixel	640 x 480 Pixel	640 x 480 Pixel	–
Storage:	SD-Card	SD-Card	SD-Card	SD-Card	–
WiFi:	✓	✓	✓	✓	–
Protocol feature:	–	–	–	–	–
Audio-recording:	✓	✓	✓	✓	–
Data handling:	via App	via App	via App	via App	–
Page	**205**	**206**	**205**	**207**	**207**

ROCAM® 4 Plus

App for Smartphone and Tablet
For editing and sending of recorded image data
Available for iOS and Android!



ROCAM® 4 Plus

	ROCAM® 4 Plus 30 m	ROCAM® 4 Plus 65 m	ROCAM® 4 Plus – Mini Modul 8 m
			
Application:			
25 mm Camera head	–	–	40 - 100 mm
30 mm Camera head	70 - 150 mm	70 - 150 mm	–
40 mm Camera head	100 - 300 mm	200 - 300 mm	–
Display size:	10.4"	10.4"	10.4"
Touchscreen:	✓	✓	✓
Cable length:	30 m	65 m	8 m
Metre counter:	✓	✓	✓
Cable Ø:	7 mm	7 mm	5.5 mm
Self levelling:	✓	✓	–
Sender:	✓	✓	–
Frequency:	33 kHz	33 kHz	–
Picture Resolution:	720 x 600 Pixel	720 x 600 Pixel	720 x 600 Pixel
Video format:	AVI	AVI	AVI
Video Resolution:	720 x 600 Pixel	720 x 600 Pixel	720 x 600 Pixel
Storage:	SD-Card	SD-Card	SD-Card
WiFi:	✓	✓	✓
Protocol feature:	✓	✓	✓
Audio-recording:	✓	✓	✓
Data handling:	✓	✓	✓
Page	**208**	**209**	**209**

ROSCOPE® i2000

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

Product Profile

APPLICATION AREA

The ROSCOPE® i2000 covers almost all inspection techniques within living and working spaces. Camera and locating modules allow a multifunctional use. WiFi technology enables a quick and easy data transfer.

KEY FEATURES

- User-friendly touchscreen monitor and simple menu guidance
- Easy data transfer for subsequent processing
- Audio recording and playback possible without further equipment
- USB charging function

TECHNICAL DATA

Display:	3.5" Touchscreen (color)
Video format:	AVI
Picture format:	JPEG, 640 x 480 pixels
Connection:	Mini-USB, AV-Out, SD-Card slot
Power supply:	Li-ion battery 3.7 V / 5.2 Ah

Versatile and user-friendly!



Compatible connection

Previous ROTHENBERGER modules can be used

WiFi

Easy data transfer to mobile devices

3.5" Touchscreen

640 x 480 pixel resolution (JPEG)

SD-Card slot

Memory space for audio, video and image data

Ergonomic handling

Function keys arranged closely together

Integrated microphone

Integrated speaker

For audio playback

Slip-free handle

For comfortable and effort saving operation - even over long periods of time

Powerful Li-ion battery

For an extra long battery life and short charging times

10

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

ROSCOPE® i2000 & ROCAM® 4 App

App for smartphone and tablet to edit and send recorded image data

APPLICATION ADVANTAGES

- WiFi-transmitter allows a live image transfer from the ROSCOPE® i2000 to mobile devices
- Integrated editing function to indicate and mark specific pipeline damages
- Synchronizing of stored images of the ROSCOPE® i2000 to allow further processing
- Sending of edited pictures directly from the place of action

See page 204

Transfer to mobile devices



Editing with the ROSCOPE® i2000 App



For Inspection: MULTIVIEW

Modular concept for visual inspection of pipes, hollow spaces and pipes

KEY FEATURES

4 different modules for the ROSCOPE® i2000 basic unit

- **Module TEC**
  Hollow space inspection with self-leveling picture
- **Module 25/16 or 25/22:**
  Waterproof pipe module for pipe inspection in 90° bends from Ø 40 mm
- **Module ROSCAN 150:**
  Thermal image camera with overlay-technology for the precise detection of leaks

See pages 205 - 207

Module TEC



Module 25/16



Module 25/22



Module ROSCAN 150



For Locating: ROLOC PLUS

Positioning module for sondes

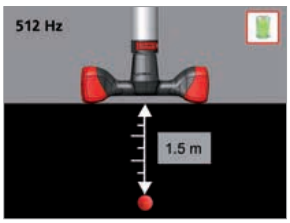
KEY FEATURES

- The unit guides through the locating process reliably
- Minimises the effort needed for evacuations or locating damaged areas on the pipe with pin-point locating of the camera head
- Pin-point locating of the specific location with the depth measurement function

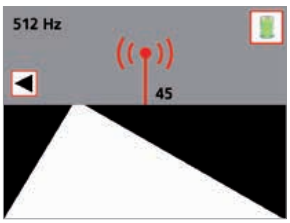
See page 207



Camera head is 1.5 m deep



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





ROSCOPE® i2000 & ROCAM® 4 App

App for smartphone and tablet to edit and send recorded image data

Product Profile

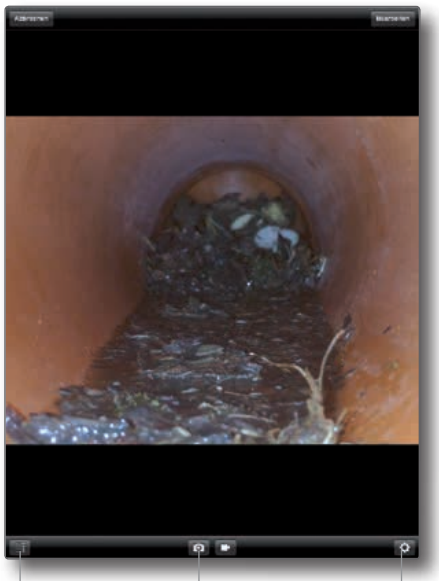
KEY FEATURES

- WiFi-transmitter allows a image transfer live from the ROSCOPE® i2000 to mobile devices
- Integrated editing function to mark and name specific pipeline damages
- Synchronizing of stored images of the ROSCOPE® i2000 to allow further processing
- Sending of edited pictures directly from the place of action

TECHNICAL DATA

ROSCOPE® i2000:	
Compatibility:	iOS 5.1 or newer, 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 and Android!



Inspection of basin drains



Sending of edited pictures directly from the place of action

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



Inspection of hollow spaces



Camera head with high-performance LEDs



Scope of delivery ROSCOPE® i2000 Module TEC (No. 1500000696):
ROSCOPE® i2000 basic unit, Module TEC, charger, plastic carrying case

Model		No.
ROSCOPE® i2000 Module TEC	1	1500000696
Module TEC (without basic unit)	1	69601
Set (hook, magnet, mirror)	1	69615

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



Inspection of rain downpipes



Inspection of floor drains



Scope of delivery ROSCOPE® i2000 Module 25/22 (No. 1000000860):
ROSCOPE® i2000 basic unit, Module 25/22, Module TEC, charger, plastic carrying case

Model		No.
ROSCOPE® i2000 Module 25/22 + Module TEC	1	1000000860
Module 25/22 (without basic unit)	1	69603
Guide skid for Module 25/16 and 25/22	1	74629

[1] Complete terms and conditions at www.rothenberger.com/service.
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 guide skid 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

3.5" Touchscreen
640 x 480 Pixel resolution

Integrated transmitter
For the precise locating of the camera head

Self-leveling camera head
Picture is always upright, no loss of orientation



Battery compartment
For the power supply of the integrated transmitter (2 AA batteries included in delivery)



Guide skid for Module 25/16 and 25/22
For centring of the camera head, better illumination of the pipe



No. 74629

Rubberized base
Stable stand without slipping and damaging the surface

Inspection of access line



Inspection of rain drainpipes



Scope of delivery ROSCOPE® i2000 Module 25/16 (No. 1000000842):
ROSCOPE® i2000 basic unit, Module 25/16, Module TEC, charger, plastic carrying case

Model		No.
ROSCOPE® i2000 Module 25/16 + Module TEC	1	1000000842
Module 25/16 (without basic unit)	1	1500000052
Guide skid for Module 25/16 and 25/22	1	74629

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

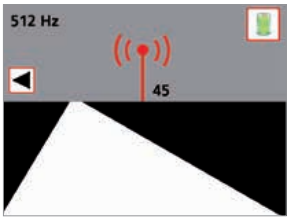
Scope of delivery ROSCOPE® i2000 Module ROLOC PLUS (No. 1000000065): ROSCOPE® i2000 basic unit, Module ROLOC PLUS; Module TEC, charger, plastic carrying case

Model		No.
ROSCOPE® i2000 Module ROLOC PLUS + Module TEC	1	1000000861
Module ROLOC PLUS (without basic unit i2000)	1	1500000057

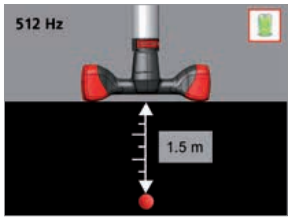
Also for use with ROCAM® 4 Plus



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



Depth measurement with a push of the button



ROSCOPE® i2000 Module ROSCAN 150

Infrared camera for leak detection

Product Profile

KEY FEATURES

- Overlay technology for precise leak detection
- Very high accuracy of measurement in the range of - 20 °C to 220 °C
- 3.5" touchscreen for easy and intuitive handling
- WiFi-transmission to mobile end devices
- Recording of pictures (jpeg) and videos (avi)
- Recording and playback of audio comments
- Memory on internal SD-Card

TECHNICAL DATA

Display:	3.5" Touchscreen (color) (Technical Data Basic unit see page 208)
IR Pixel:	32 x 31
Display size:	23.8 x 23.1 mm
Temperature range of the object:	-20 °C up to 220 °C
NETD:	160 mK
Frame rate:	9 Hz
Ideal focus distance:	2 m

Model		No.
ROSCOPE® i2000 Module ROSCAN 150 + Modul TEC	1	1000000995
Module ROSCAN 150 (without Basic Unit i2000)	1	1500000932



Overlay-Technique:
Overlay of visual image and thermal image for accurate analysis and clear understanding

For ROSCOPE® 1000 and ROSCOPE® i2000!

Modular concept for ROSCOPE® 1000 und ROSCOPE® i2000



Hydraulic balance – Visualization of heating efficiency



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

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" Colour-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 & 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" Colour-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



Model	No.
ROCAM® 4 Plus - 30 m cable, 30 mm head EU	1500002613
ROCAM® 4 Plus - 30 m cable, 40 mm head EU	1500002614
ROCAM® 4 - 8 m Mini-Module, 25 mm camera head	1500001472

[1] Complete terms and conditions at www.rothenberger.com/service. 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 trolly with extendible handle

Comfortable transport over long distances

New platform based battery technology



Transport trolly with extendible handle



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 - 8 m Mini-Module, 25 mm camera head	1500001472

Mini-Modul ROCAM® Plus 4

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

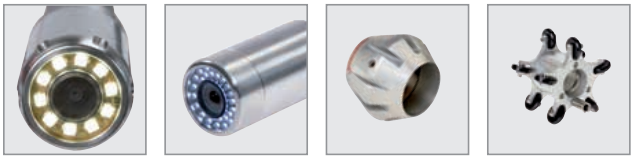
Camera head:	Ø 25 mm, waterproof with 8 LED lights
Working range:	Ø 40 - 100 mm
Cable length:	8 m Mini-Module
Cable diameter:	5.5 mm

Model		No.
Mini-Module ROCAM® 4 Plus	1	1500001472

ACCESSORIES

Model	No.
Camera head Ø 40 mm	1500000122
Camera head Ø 30 mm	1500000123

ROCAM® 4 Plus Accessories can be found on 210



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

Produkt-Profil

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



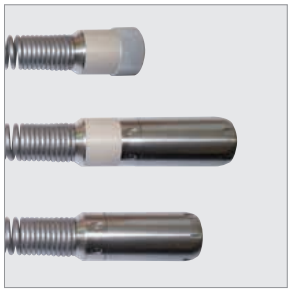
Pressure tight screw slip-ring connection



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 www.rothenberger.com/service.
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	1	69118
Rolling skids Ø 200 mm	700	1	69119

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 guide skid No. 69112 / 1500000817

Model	g		No.
Brush attachment Ø 100*	200	1	69113
Brush attachment Ø 150*	300	1	69117

Rolling Skids ROCAM® 4 Plus

For centring of the camera head in pipes for a better overview and illumination

APPLICATION AREA

Guide skid for pipe diameters Ø 70 - 150 mm
Guide skid 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:			
Guide skid for Ø 150 mm	200	1	1500000120
Guide skid for brush attachments	200	1	1500000817
For camera heads ø 40 mm:			
Guide skid for ø 200 mm	200	1	69111
Guide skid for brush attachments	200	1	69112

Battery, Mains Adaptor and Charger ROCAM® 4 Plus

KEY FEATURES

- Extend the mobile operation spare battery
- No unintentional release of the battery, battery lock with click mechanism
- External battery charger, independent charging of the battery, higher mobility

TECHNICAL DATA

Battery: 18 V / 4.0 Ah, Li-Ionen







Model		No.
RO BP 18/4-battery 18 V / 4.0 Ah	1	1000001653
RO BC 14/36 charger, EU	1	1000001654
ROCAM® 4 Plus 230 V adaptor, EU	1	1000002085


ROTHENBERGER
ROTHENBERGER



Flushing & Pipe Cleaning

System Overview Flushing & Pipe Cleaning 214 - 215

Flushing

Flushing Compressors 216 - 218

Cleaning Chemicals 218

Decalcifying

Decalcifying Pumps 219

Decalcifying Chemicals 220

Pipe Cleaning manual

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High Pressure Drain Cleaning

High Pressure Drain Cleaners 246 - 247

Flushing & 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:	216	217

Pipe Cleaning

	WC-Blitz	ROPOWER® HANDY	ROSPIMATIC	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 m	7.5 m
Spiral diameter:	13 mm	16 mm	8 mm	6 mm	8 mm
Power:	–	–	630 W	–	–
Page:	224	224	225	223	223

	R 550	RODRUM M 13	RODRUM M 16	RODRUM L 16	R 600
					
Operation mode:	electric	electric	electric	electric	electric
Working range:	Ø 20 - 100 mm	Ø 70 - 100 mm	Ø 70 - 125 mm	Ø 70 - 125 mm	Ø 20 - 150 mm
Max. spiral length:	40 m	30 m	45 m	45 m	60 m
Spiral diameter:	8**/ 10**/ 16 mm	13 mm	16 mm	16 mm	8**/ 10**/ 16 / 22 mm
Power:	440 W	620 W	620 W	620 W	690 W
Page:	226	230	230	230	226

11

* with a rod
** only usable with collet, clamping jaws or adaptor magazine (see page 234)

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:	219	219

Pipe Cleaning

	ROSPI® 10 H+E Plus	RODRUM S 10	Manual Drain Cleaner 3 S	RODRUM S 13
				
	manual / electric	electric	manual	electric
	Ø 20 - 70 mm	Ø 40 - 70 mm	Ø 50 - 100 mm	Ø 50 - 100 mm
	10 m	10 m	15 m	15 m
	10 mm	10 mm	13 mm	13 mm
	–	440 W	–	440 W
Page:	223	228	224	228

	R 650	R 750	RODRUM L 20	R 80	R 100 SP	R 140 B
						
	electric	electric	electric	electric	electric	fuel
	Ø 20 - 150 mm	Ø 50 - 200 mm	Ø 70 - 250 mm	Ø 70 - 250 mm	Ø 70 - 250 mm	Ø 100 - 600 mm
	65 m	80 m	60 m	80 m	100 m	140 m*
	8**/ 10**/ 16 / 22 mm	16**/ 22 mm / 32 mm	20 mm	22** / 32 mm	22 / 32 mm	32 mm / rod system
	1,350 W	1,400 W	620 W	1,400 W	1,400 W	4,800 W
Page:	227	227	230	232	232	233

11

* with a rod
** only usable with collet, clamping jaws or adaptor magazine (see page 234)

ROPULS eDM flushing compressor

For scouring and cleaning of heating systems and flushing of drinking water pipes according to EN 806 / DIN 1988-2 with protocol function

230 V

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
  – 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 long-term flushing) for good cleaning results
- Simple 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



Function switch

Enables you to change **ROCLEAN** functions easily

For removing deposits in floor heating and radiators

Clean heating systems save energy

Loosening and flushing of construction material before the initial start up

Clean, perfect hygienic pipe systems regarding drinking water installations

Flushing of drinking water pipes with pulsing compressed air water mix as per DIN 1988-2

Safety for plumbers and plant operators

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 www.rothenberger.com/service.
RO SERVICE+ only valid in participating countries.

ROPULS eDM App

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

KEY FEATURES

- Report can be e-mailed immediately as a PDF
- Transfer of flushing data via Bluetooth
- Applicable for Android and Windows devices
- Easy, fast, professional documentation
- Company profiles and protocols individually customizable
- Live data transfer to handheld unit
- Templates for various flushings-protocols available







ROPULS Flushing Compressor

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



Function switch

Enables you to change ROCLEAN functions easily

For removing deposits in floor heating and radiators

Clean heating systems save energy

Loosening and flushing of construction material before the initial start up

Clean, perfect hygienic pipe systems regarding drinking water installations

Flushing of drinking water pipes with pulsing compressed air water mix as per DIN 1988-2

Safety for plumbers and plant operators

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

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

Model	kg	No.
ROPULS flushing compressor with hoses	28	1000000145

ROPULS with ROCLEAN Function: Flushing of drinking water pipes



ROPULS Flushing compressor with ROCLEAN Function



ACCESSORIES

Model	No.
ROCLEAN Injector	1000000190
Pressure regulator 2 bar	1500000203

ROCLEAN cleaning and conservation on page 218









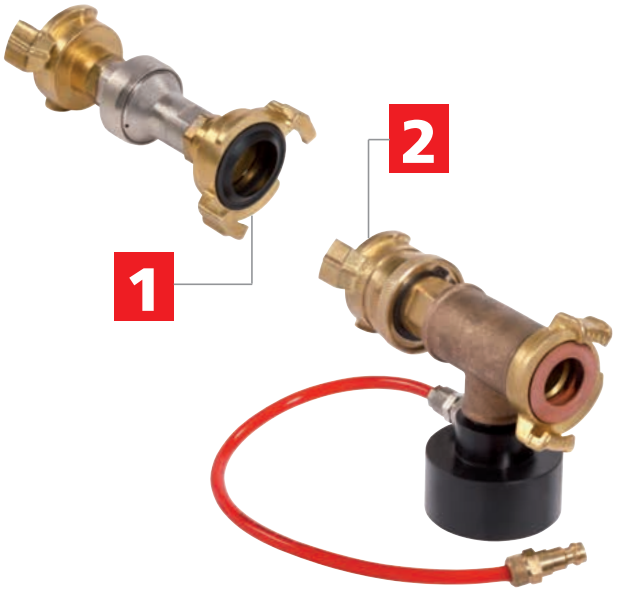
[1] Complete terms and conditions at www.rothenberger.com/service. RO SERVICE+ only valid in participating countries.

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 Injektor** has to be installed on the water output side. The injector constantly and securely doses the bottle contents to the system to be cleaned.





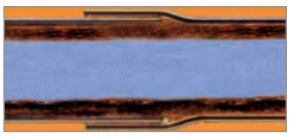
Model	kg		No.
ROCLEAN Injector	1.1	1	1000000190
Pressure regulator 2 bar	0.3	1	1500000203

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



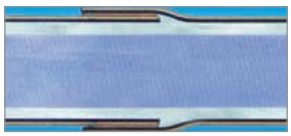
For cleaning of deposits and bio films. Suitable for all standard pipe materials. Does not stay in system. One bottle per 100 l system volume.



Preservative for radiators and surface heating systems



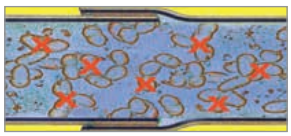
Maintains the cleaned condition and protects the system. One bottle is sufficient for 100 l system volume.



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	1	1000000190
Pressure regulator 2 bar		0.3	1	1500000203
Chemical cleaning:				
– Radiator heating systems		6.3	6	1500000200
– Surface heating systems		6.3	6	1500000201
Preservative		6.3	6	1500000202
Disinfection		6.3	6	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 watts
Volume flow:	40 l / min.
Delivery height:	10 m



Abb. ROCAL 20

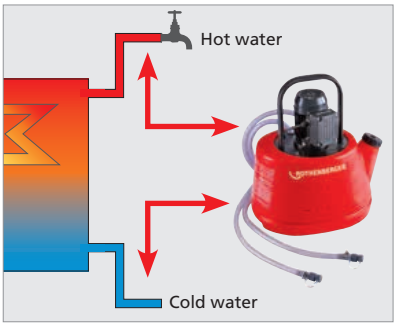
Automatic flow reversal!



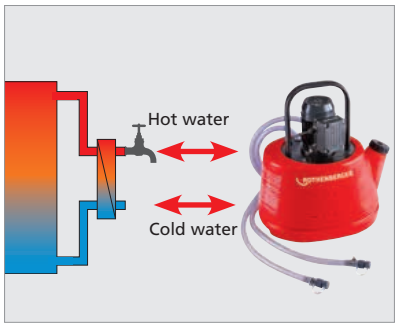


Abb. ROMATIC 20

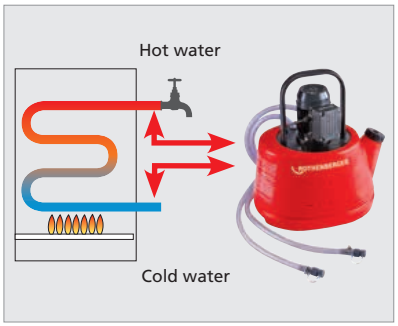
Decalcifying of drinking water storage tanks



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	1	61100
ROMATIC 20	6	1	61190

ACCESSORIES





Decalcifying chemical for ROCAL 20, ROMATIC 20 see 220

[1] Complete terms and conditions at www.rothenberger.com/service.
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 colour indication. The use of the chemical effects is shown by the change of the fluid colour
- Concentrate to mix with water
- With corrosion protection



No. 1500000115



No. 1500000116



No. 1500000117



No. 61105



No. 61106



No. 61110

	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	4	1500000115
ROCAL Acid Multi	10	1	2	1500000116
ROCAL Acid Multi	30	1		1500000117

Model	kg			No.
ROCAL Acid Plus	5	1	4	61105
ROCAL Acid Plus	10	1	2	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	5	61115
Neutralizer Powder	10	1	2	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 spacesaving storage, simple transport and good handling in tight cellars
- Well thought-through handling: the canister can easily be filled through the large opening. The shut-off valve in the bottom allows simple/uncomplicated emptying of the whole container

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 as required

A generously dimensioned container opening

Makes easy and secure filling possible

Heat resistant hoses (up to 100°C)

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

Optional: A fleece filter bag

For gentle treatment of the internal filter on older plant experiencing strong pollution

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!

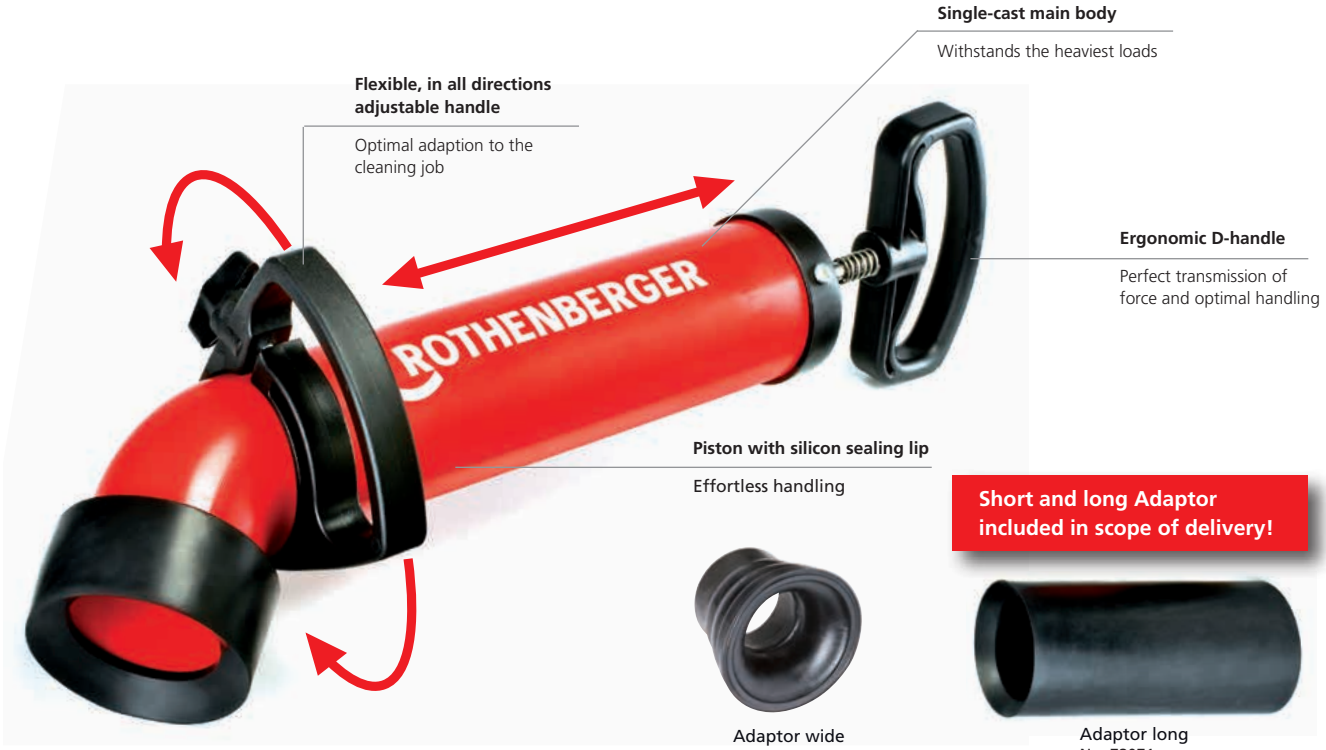
Product Profile

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



Short and long Adaptor included in scope of delivery!

Adaptor wide
No. 72073

Adaptor long
No. 72071

Short adaptor



Long adaptor



Model	kg		No.
ROPUMP® SUPER PLUS with 2 Adaptors (long, short)	2.00	1	072070X
ROPUMP® SUPER PLUS 3 adaptors (long, short, wide) and toolbag	3.30	1	1000001762
Adaptor long	0.66	1	72071
Adaptor short	0.16	1	72072
Adaptor wide	0.40	1	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	1	71991

ROSPI® H+E PLUS

Professional manual and electrical drain cleaning unit

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

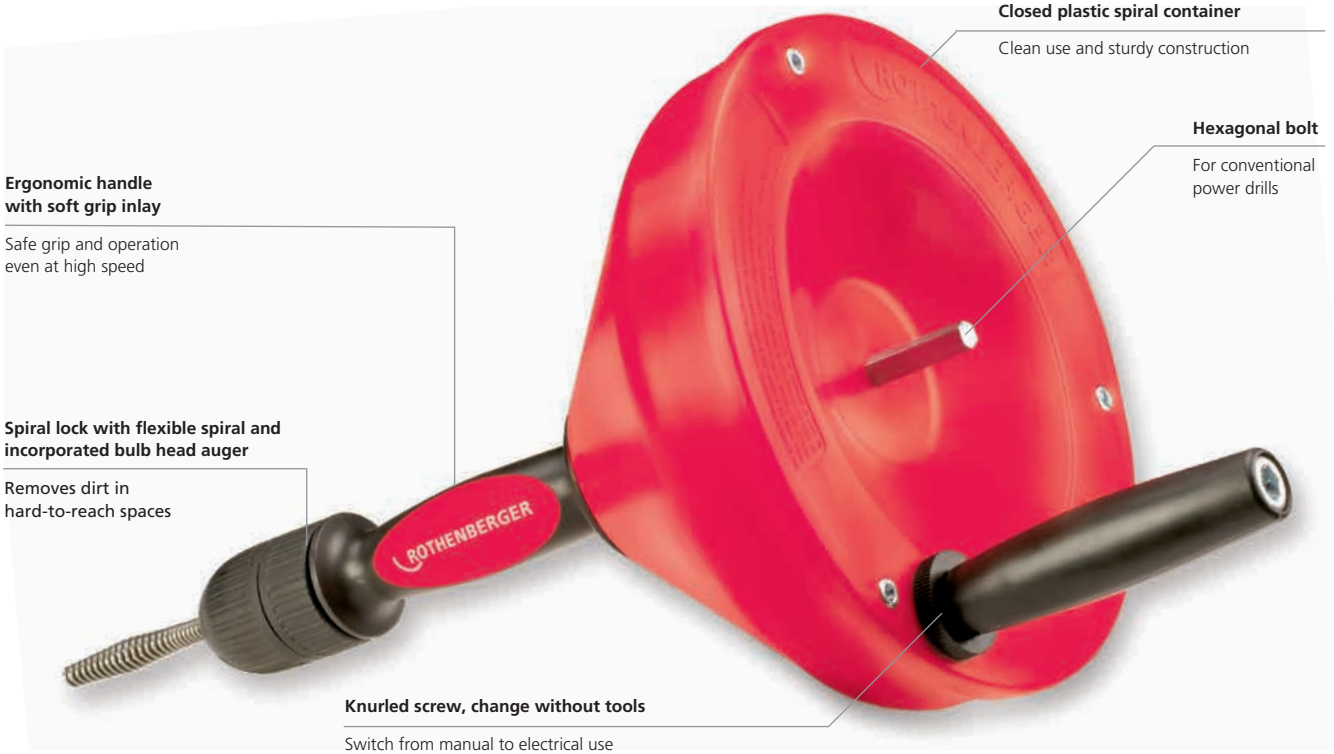
Product Profile

KEY FEATURES

- Removal of sinks and siphon filters 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	2	72090
ROSPI® 8 H+E Plus 7.5 m	3.5	1	2	72095
ROSPI® 10 H+E Plus 10.0 m	4.8	1	2	72005

For spare spirals see 245

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	1	71975
ACCESSORIES			
Manual crank	0.4	1	71976
ROPOWER® PROFILE CABLE w/o plastic core	1.2	1	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	1	78551
WC-Blitz RO-3 with tool coupling	2.90	1	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	1	72003
Spare spiral Ø 13 mm x 15 m	7.00	1	72016
Cross-blade cutter Ø 35 mm	0.04	1	72176
Separating pin	0.01	1	72100

Further Ø 16 mm tools can be found on 238

ROSPI® R 36 Plus

230 V

Electrical drain cleaning unit for pipes Ø 20 - 75 mm

Ideal for small jobs in the kitchen, bathroom or toilet

KEY FEATURES

- **Clean use and sturdy construction**
  Closed plastic container for spiral, impact-resistant and crack-proof
- **Safe grip and operation even at high speed**
  Extra long handle with soft grip inlay

TECHNICAL DATA

For pipes: Ø 20 - 75 mm
Spirals: Ø 8 mm x 7.5 m (Standard) & Ø 10 mm x 7.5 m



Model	kg		No.
ROSPI® R 36 Plus Standard Electro	4.7	1	72525

For spare spirals see 245

ROSPIMATIC

Electrical pipe and drain cleaning machine up to Ø 50 mm

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

RO SERVICE+ [1]) 230 V

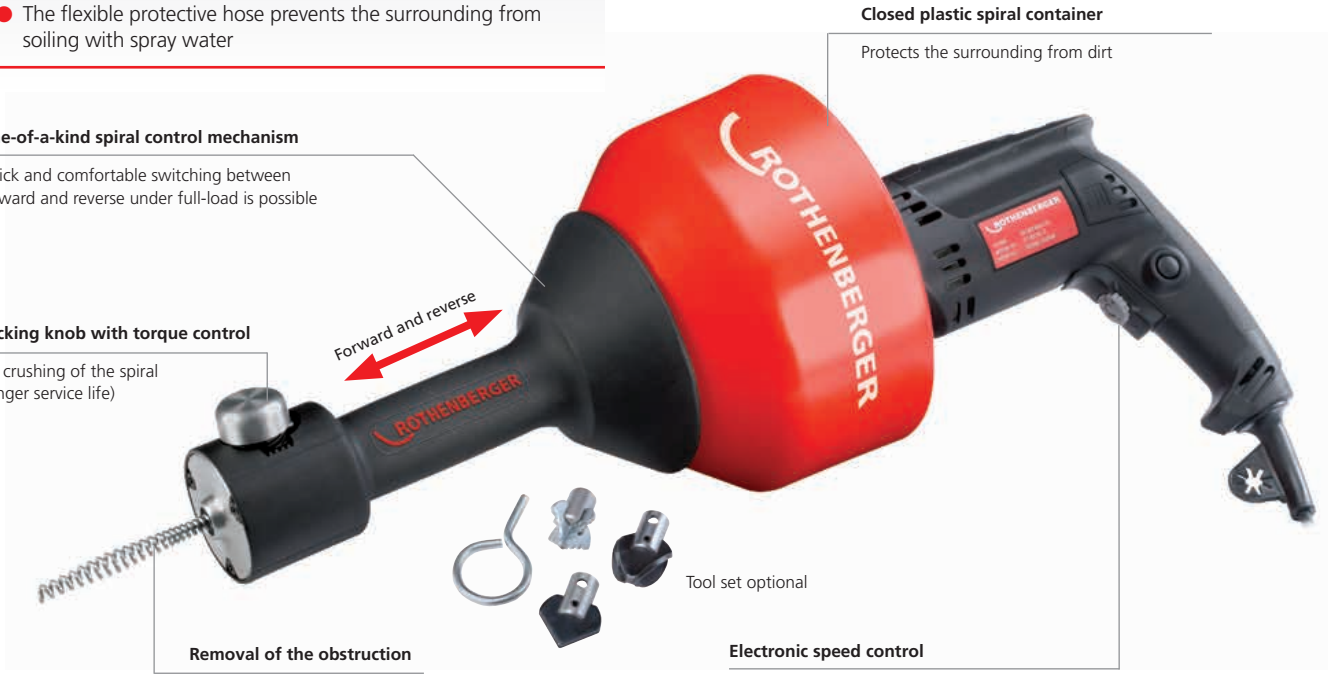
Product Profile

KEY FEATURES

- Switch between forward and reverse under full-load without the need to change the motor rotational direction is possible, which makes obstruction removal faster
- The spiral can be combined with 3 different cleaning tools, more efficient operation
- Spiral locking mechanism with torque control prevents crushing of the spiral
- Enclosed spiral container prevents contamination by reversal of the spiral
- The flexible protective hose prevents the surrounding from soiling with spray water

TECHNICAL DATA

Application range:	20 - 50 mm
Spiral with inner-core & Bulb auger:	Ø 8 mm x 7.5 m
Dimensions (without spiral):	560 x 200 x 320 mm
Weight (with 8 mm spiral):	5 kg
Rating:	630 W
Speed:	0 - 950 min^{-1}



With bulb-auger



With coupling for various tools



With flexible guide hose



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 incl. 8 mm / 7.5 m spiral, 230 V	1	78576
Spiral 8 mm / 7.5 m with steel core	1	72413
Spiral 8 mm / 7.5 m with coupling and core	1	72425
Tool set (4 pcs.)	1	72942
ROSPIMATIC protective hose	1	72542

Fast removal of obstructions



For additional accessories see 234

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

RO SERVICE+ [1] | 230 V | 115 V | 110 V



Model	kg	230 V	110/115 V
R 550 including guide hose	16.0	72686	72631
Tool sets and accessories starting on	**234**		

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
- Optional Ø 8 and 10 mm with adaptor magazine possible
- 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
With adaptor magazine:	Ø 8 mm and 10 mm
Max. working length:	40 m with Ø 16 mm S-spirals 10 m with Ø 8 and 10 mm spirals
Rating:	440 W (Power input)
Voltage:	230 / 110 / 115 V, 50 Hz
Speed:	583 min^{-1}, RH and LH drive
Weight:	16.0 kg

RO SERVICE+ [1] | 230 V | 115 V | 110 V



Model	kg	230 V	110/115 V
R 600 including guide hose	20.9	72687	72632
Tool sets and accessories starting on	**234**		

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 min^{-1}, RH and LH drive
Weight:	20.9 kg

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

R 650

Drain cleaning machine for pipe Ø 20 - 150 mm

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

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, 50 Hz
Speed:	623 min^{-1}, RH and LH drive
Weight:	22.8 kg



Drive lever can be fitted on the side

Flexible use

Model	kg	230 V
R 650 including guide hose	22.8	72688

Tool sets and accessories starting on 234

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, 50 Hz
Speed:	467 min^{-1}, RH and LH drive
Weight:	33.5 kg



Full rubber transport wheels

Comfortable transport, high mobility and a secure stand

Model	kg	230 V
R 750 including guide hose	33.5	72689

Tool sets and accessories starting on 234

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

Pipe Cleaning Electric

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

APPLICATION AREA

- Compact constructions: Ideal for service deployment to unblock pipes in connecting pipes of wash basins, toilets, drainage pipes, floor drainage
- The dirty spiral moves on retraction 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:	440 W
Speed (Drum)	300 r/min^{-1}
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	No.
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)

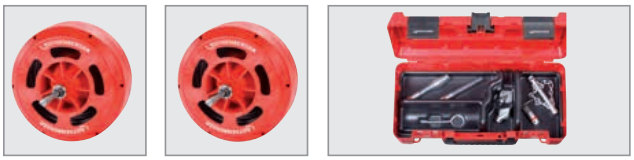
Set (No. 1000001257) includes: RODRUM S 13, Spiral guide gloves (No.1500000439), Chain spinning head (No. 072185F), Cross blade cutter (No.72176), Forked cutter (No.72164), Bulb auger (No. 72163), Retrieving auger (No. 72162), Straight auger (No. 72161), Seperating pin (No.72100), Guide hose (No.1300002581), 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 236



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

Pipe Cleaning Electric

RODRUM M & 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.

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 & 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
Max. working range:	30 m (with 13-mm-Spirals) 45 m (with 16-mm-Spirals) 60 m (with 20-mm-Spirals)
Power:	620 W
Speed (drum):	270 r/min.
Product dimensions:	77 x 56 x 87 cm

Loading device

Ergonomic loading of the machine



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

Spiral protection

Fast tension relief from the spiral to prevent damage just by releasing the lever

Rubber feed

No damage of the floor

Model		kg	No.
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 www.rothenberger.com/service. RO SERVICE+ only valid in participating countries.

RODRUM M & 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 & 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 1000001731: 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), Rück-holbohrer (No. 72162), Straight auger (No. 72161), separating key (No. 72100)

Set 1000001732: 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



Industrial pipe and drain cleaning machines

For continuous industrial use in pipe and drain cleaning Ø 50 - 600 mm

Ideal for use in the following sectors: private households, pipe networks in industry, municipal enterprises, maintenance organisations, hotels, hospitals, for underground pipes, industrial pipelines, drains, roof drainage, etc.

- Extremely powerful, very resilient, for continuous industrial use
- Steel tubular frame with side elements made from fibreglass-reinforced polyamide
- Stable, dismountable and corrosion-resistant designs
- Secure and radial clamping, optimal power transmission and functional reliability, simple replacement of clamping jaws
- Reinforced guide hose with quick coupling ensures the safe and kink-free guiding of the spiral and prevents contamination of the working area.

R 80

One-man professional machine for pipes Ø 50 - 250 mm

Product Profile

KEY FEATURES

- Small, compact design permits the machine to pass through doorways
- Portable and easy to navigate stairs
- Transports easily in any service vehicle, collapsible
- Ideal for manhole inspections through defined working height
- Fatigue-free clamping when working with large spiral diameters and lengths
- Integrated, spacious toolbox

TECHNICAL DATA

For pipe diameters:	Ø 50 - 250 mm
For drain cleaning spirals:	Ø 22 and 32 mm (32 mm clutch jaws standard)
Max. working length:	80 m with Ø 32 mm S-spirals 70 m with Ø 22 mm S-spirals
Rating:	1.4 kW (1.9 HP) RH / LH rotation
Weight:	52 kg

230 V



Includes: Basic machine, grease gun (No. 855156), Allen keys (1 x No. 321515, 1 x No. 321188, 1 x No. 321189), open-ended spanners (1 x No. 310411, 1 x No. 310450)

Model	kg	230 V 50 Hz
R 80 basic machine	52.0	**72585**

R 100 SP

One-man professional machine for pipes Ø 50 - 250 mm

Product Profile

KEY FEATURES

- Ideal for confined spaces such as skylights or ducts
- Portable and easy to navigate stairs
- Adjustable working heights, foldable
- Extendable supporting feet
- Transports easily in any service vehicle

TECHNICAL DATA

For pipe diameters:	Ø 50 - 250 mm
For drain cleaning spirals:	Ø 22 and 32 mm
Max. working length:	100 m with Ø 32 mm S-spirals 70 m with Ø 22 mm S-spirals
Rating:	1.4 kW (1.9 HP) RH / LH rotation
Weight:	57 kg

230 V



R 80 / R 100 SP - ACCESSORIES	kg	No.
Guide Hose FS 32 / 4 m	4.1	**72559**
Clutch Jaws R 80 / 100 SP for 22 mm-Spirals	0.4	**72561**
Clutch Jaws R 80 / 100 SP for 32 mm-Spirals	0.3	**72562**

Spirals and accessories see 234

Includes: Basic machine, grease gun (No. 855156), Allen key (No. 321515), open-ended spanners (No. 310450)

Model	kg	230 V 50 Hz
R 100 SP basic machine	57.0	**72610**

R 140 B

For municipal and industrial applications Ø 100 - 600 mm

Petrol engine 4,8 kW

Product Profile

KEY FEATURES

- Effortless conversion from spiral to rodding operation
  Working range from Ø 100 - 250 mm with 32 mm spirals
  Working range from Ø 150 - 600 mm with bar
- Petrol engine, independent from electric power supply
- Ideal for rodding work in rural area pipes
- Extremely powerful reversible drive
- 1 forward and 1 reverse gear
- Speed controlled by means of a manual throttle
- Manual slip clutch
- With quick-change couplings for rodding tools

Product Profile

TECHNICAL DATA

For pipe diameters:	Ø 100 - 600 mm
For drain cleaning spirals:	Ø 32 mm
For rods:	Ø 6 mm, 3/4"
Max. working length:	100 m with 32 mm-spirals 140 m with rod
Rating:	4.8 kW (6.6 HPS), petrol engine
Motor:	RH / LH rotation
2 gear reversible drive speed:	160 - 600 min^{-1}
Weight:	97 kg



Guide hose

Protection from damages and pollution of the surrounding

Wide range of accessories

High flexibility for different jobs

Toolbox

Storage for further accessories

Integrated brake

Safe stand of the machine



Scope of delivery (No. 72971)

Includes (No. 78581) 25 x adaptor 3/4", 6mmx1,5m, (No. 78580) rod turning grip, (No. 72122) tool adaptor for mounting 32 mm spirals, (No. H99569) tool adaptor for 32 mm spiral rod coupling, (No. H99120) rod tool adaptor, (No. 72120) guide glove, left, (No. 72121) guide glove, right, (No. 72101) separating pin, (No. 72322) funnel auger, (No. 72321) straight auger, (No. 72363) Bulb Auger, 32 mm, (No. 72325) retrieving auger, 32 mm, (No. 72329) spiral sawtooth cutter, 32 mm, (No. 72374) Cross-blade Cutter, 32 mm, (No. 72350) forked cutter, D=76 mm, (No. 72351) forked cutter, D=112 mm, (No. 402312) tool box, (No. 321118) Allen key, AF 3, (No. 321189) Allen key, AF 4, (No. 321190) Allen key, AF 5, (No. 310450) forked cutter, SW 10/13, (No. 310411) forked cutter, SW 17/19

Model	kg	No.
R 140 with rod and tool set	108.50	72971
R 140 basic machine	97.00	72970
Push rod 3/4", Ø 6 mm, 1.5 m	0.25	78581
Funnel Auger	0.25	72322
Straight Auger	0.25	72321
Rod truning grip	0.56	78580
Retrieving auger	0.10	72325
Spiral sawtooth cutter	0.15	72329
Guide glove, left	0.21	72120
Guide glove, right	0.21	72121

Model	kg	No.
Separating pin	0.20	72101
Adaptor for 32 mm augers	0.10	72122
Forked Cutter, Ø 76 length		72350
Forked Cutter, Ø 112 length		72351
Guide hose FS 32/length 4 m	4.10	72559
Standard 32 mm, spiral and tool set	41.00	72962X

More accessories see 234



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. 72511

No. 72511



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 550	8 and 10 mm	10 m	1.3	**72511**
R 600/650	8 mm	10 m	1.8	**72514**
R 600/650	10 mm	10 m	1.8	**72515**



Clutch Jaws 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**



Ceramic Protection Hose

- For the protection of ceramic
- With adjustable holding clamp

For spirals	Length	kg	No.
Ø 8, 10, 16 mm	540 mm	0.4	**72705**

Ideal working height



Tripod Stand

- Collapsible and galvanised
- Provides an ideal working height of the drain cleaning machine, for example: Toilets
- 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

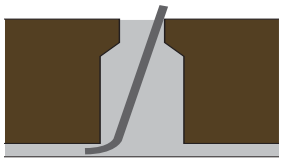
Model	kg	No.
Spiral Retrieving Device	3.7	72135



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 pieces	3.0	72130
For spirals Ø 22, 32 mm	1.9 - 4.3	3 pieces	10.0	72131





ROWONAL Care and Rust Remover

- For cleaning, preservation and protection of spirals, couplings and tools
- For cleaning, rust-removal





No. 72142



No. 72140

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. 1500000439



No. 72120 / 72121

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

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



No. 72100



No. 72101

Spiral Baskets

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

Model	Spiral length max.	kg	No.
For spirals / tools w/ Ø 16 mm	34.5 m	1.3	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



No. 72110



No. 72111



No. 72112

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
- **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

With Lockring Plus ROTHENBERGER TECHNOLOGY

Sufficient connecting coil
Spare couplings can be mounted easily

ROPOWER PROFILE CABLE
Additional cleaning effect with the squared profile



Various wire gauges
Flexible, depending on use

Plastic core
Spiral won't clog with dirt

Insertion taper
Simple coupling of spirals and tools





T-groove made of Nirosta steel
Long lasting and high functional safety with the high-quality coupling design

11

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	○	●	●	●

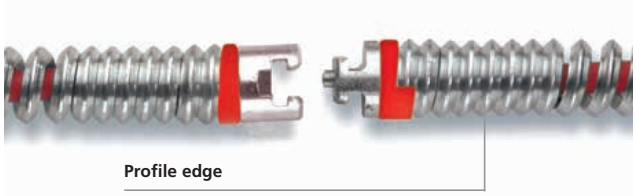
○ not suitable ● suitable

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



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 245

ROTHENBERGER Lockring

One-of-a-kind safety ring for the optimum transmission of the torque pressure onto the coupling with 100% surface pressure

KEY FEATURES

- 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.
- Safety ring made out of flexible and self-binding material:
  With increased stress the ring will not slide, rather because of the 100% surface pressure, it adjusts itself to positively lock onto the coupling
- Optimum force transmission for professional pipe cleaning
- Increased safety
- Increased durability / service life of the spiral



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 245

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 245

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 245

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 245

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"

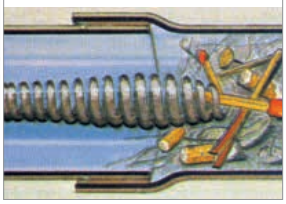
See the following pages for more information on professional tools in various versions and dimensions for loosening obstructions and cleaning drains

Bulb Auger

238



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

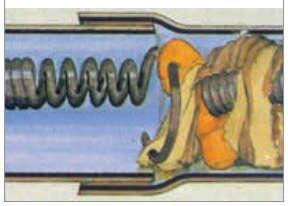


Retrieving Auger

239



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

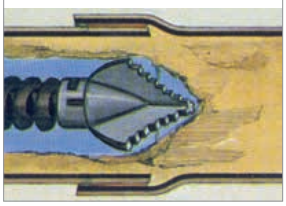


Cross-blade Cutter, serrated

240



Special tool for opening up solidified pipe obstructions

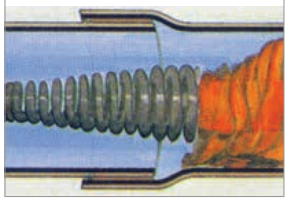


Funnel Auger

239

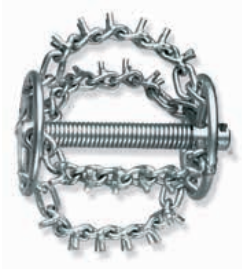


Tool for removing, opening or retrieving obstructions caused by, e.g. textiles

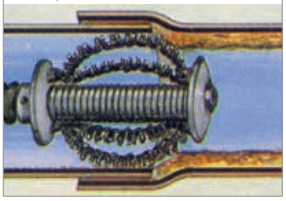


Chain-spinning Head with Spikes

241



For concrete, cast iron and ceramic pipes. Intensive action. Without rings = for tight pipe bends, with 3 chains

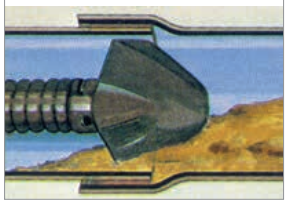


Spade Head Cutter

240



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

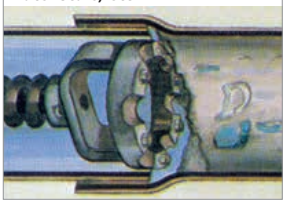


Carbide-tipped Cutters

242



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

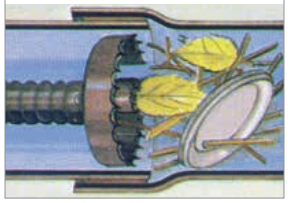


Spiral Sawtooth Cutter

240



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

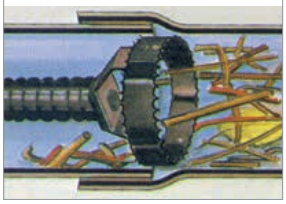


Two-way Root Cutter

242

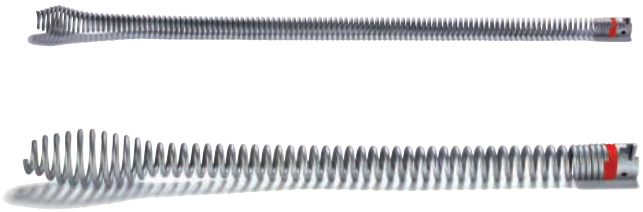


Special tool for cutting roots in both directions. Also suitable for solid materials



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	L 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	L 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 establishing 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	L 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	L 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

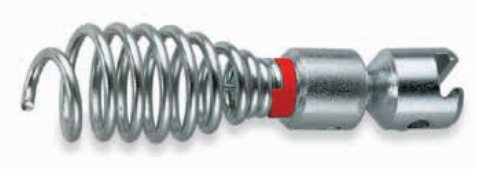
- For removing or opening up obstructions caused by textiles or paper
- Large grasping ability can also be used to retrieve spirals from drains



Coupling mm / Inch	mm	L 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	L 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

Grease Cutter

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

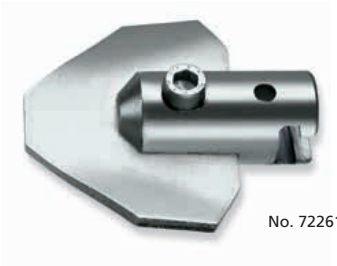


No. 72234

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

Spade Head Cutter

- Curved special tool for silt and sludge deposits



No. 72261

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

Spiral Sawtooth Cutter

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



No. 72229

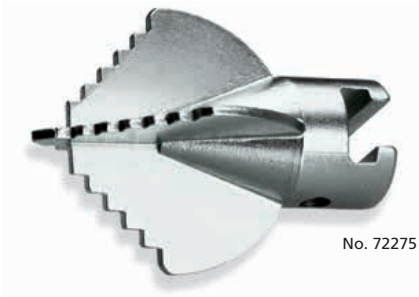
Coupling mm / Inch	mm	L mm	Working range mm	g	No.
16 / 5/8"	35	25	50 - 75	40	72166
22 / 7/8"	45	40	75 - 100	100	72229
32 / 1.1/4"	65	55	75 - 100	210	72329

11

- **Used for textile or sludge obstructions!**
- **Hardened, break-proof, spring steel blades!**
- **Recommended for use with S or SMK spirals!**

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



No. 72275

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

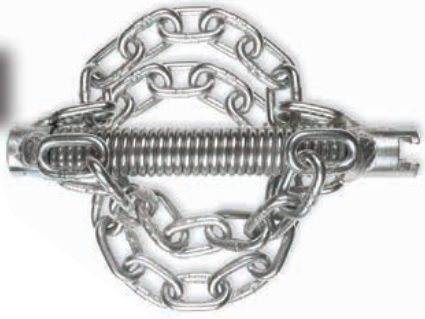


No. 72284

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

Improved mobility!

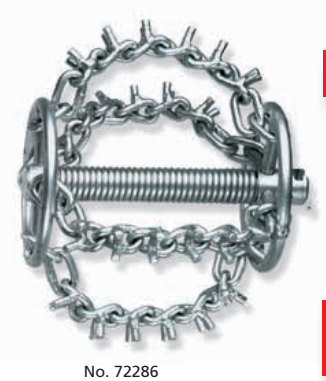


No. 72289

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

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

For better curve manoeuvrability!



No. 72188

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!


No. 72398


No. 72295

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. 72266


No. 72265

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

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

Werkzeug Set L

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

With Locking

ROTHENBERGER Plus TECHNOLOGY

Spiral and Tool Sets

RO CASE ROTHENBERGER

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 ROTHENBERGER

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 ROTHENBERGER

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 ROTHENBERGER

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

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 550, 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



No. 72413



No. 72421 / No. 72423

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

Reducing / Extension Pieces

For spirals with T-coupling

Within limits, tools with larger or smaller lead-ins can also be adapted

Extension piece



No. 72461

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
Reducing piece	32 mm	22 mm	330	72462

Reducing piece



No. 72460

Safety T-Couplings

Fixing of broken spirals!

for Standard and SMK spirals



No. 72210 No. 72211

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

High-Pressure Drain Cleaning

	HD 11/90	HD 13/100	HD 17/190	HD 19/180B
				
Operation Mode:	230 V	230 V	400 V	Fuel
Max pipe diameter:	Ø 150 mm	Ø 150 mm	Ø 200 mm	Ø 200 mm
Max. working length:	20 m	20 m	40 m	40 m
Max. pressure:	90 bar	100 bar	190 bar	180 bar
Pump delivery:	11 l/min	13 l/min	17 l/min	19 l/min
Power:	1,500 W	2,300 W	5,000 W	8,100 W

HD 11/90

230 V

Self-priming compact unit from Ø 40 – 150 mm up to 20 m length

Ø 150 mm



KEY FEATURES

- Compact and portable unit
- Ideal for fast operation in small pipe dimensions
- AC supplied, self-priming up to 2 m

TECHNICAL DATA

Max. operating pressure:	90 bar
Electric motor:	AC supply
Pump delievery:	11 l/min
Rating:	1.5 kW
Max. working length:	20 m
Speed:	1,400 min^{-1}

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	230 V / 50 Hz
High-pressure pipe cleaning unit HD 11 / 90	29.5	76008

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 min^{-1}

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

190 bar high-pressure cleaner with three-phase motor

400 V

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 min^{-1}

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**

HD 19/180 B

180 bar high-pressure cleaner with petrol engine

Ø 200 mm

With petrol engine



KEY FEATURES

- Works with fuel, no voltage needed, self-priming up to 2 m
- Air-filled transport wheels, easy to navigate stairs

TECHNICAL DATA

Max. operating pressure:	180 bar	**Rating:**	8.1 kW
Pump delivery:	19 l/min	**Speed:**	1,800 min^{-1}
Max. working length:	40 m	**Petrol engine:**	Honda
Tank capacity:	6.5 l	**Consumption:**	3.2 l/h

Scope of delivery: HD 19 / 180B (No. 76090), hose reel with 40 m special high-pressure hose DN 8 with couplings (No. 72820) and pipe cleaning nozzle (No. 76053)

Model	kg	No.
High-pressure pipe cleaning unit HD19 / 180 B	78.5	**76090**

ACCESSORIES HD 11/90



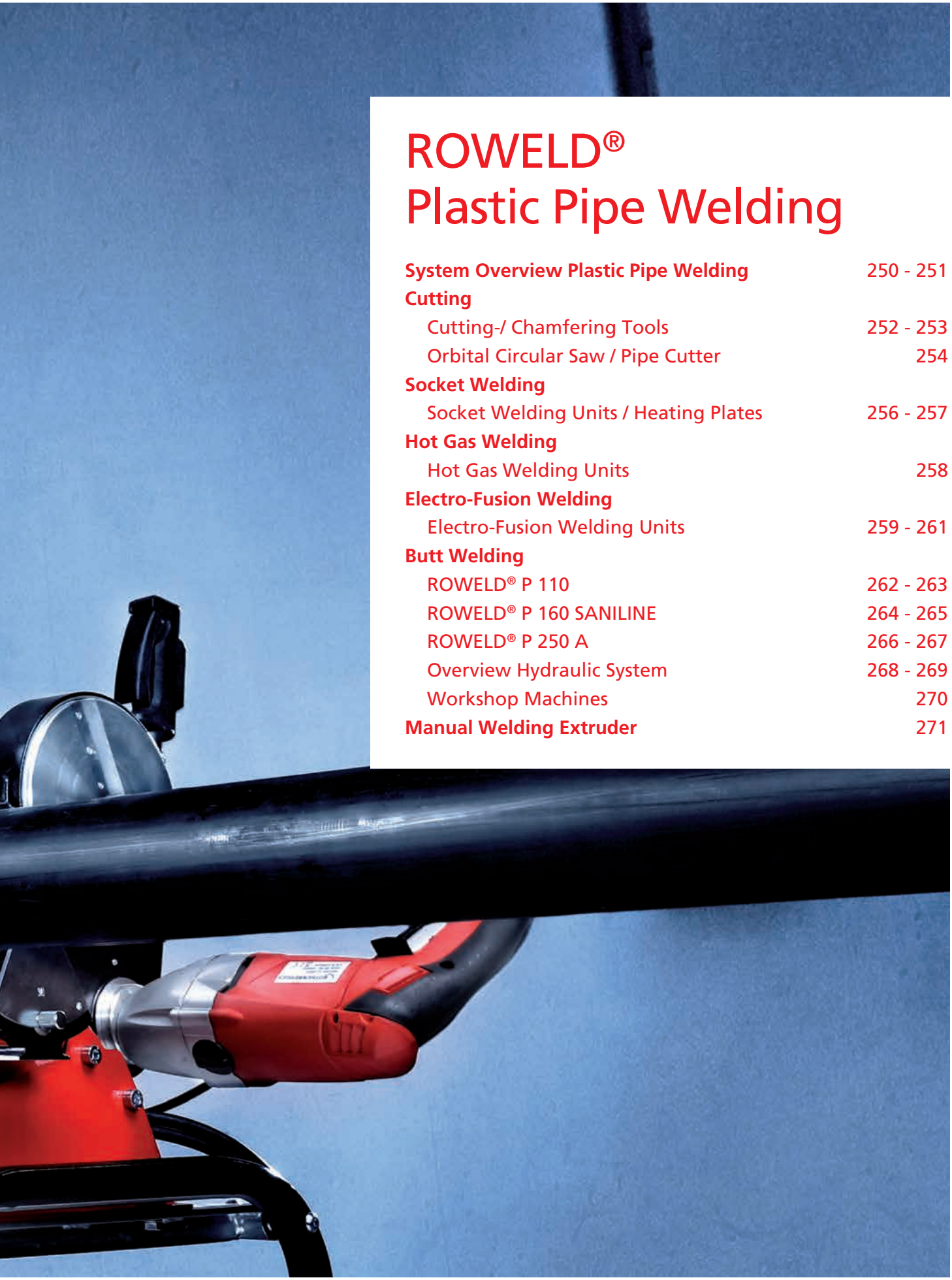
Model	kg	No.
Flexible, high-pressure hose with R 1/4" coupling, DN 6		
Length 10 m	2.50	**72810**
Length 20 m	4.50	**72812**
Pipe cleaning nozzle, R1/4", stainless steel	0.04	**76053**
excl. forward jet spray, 4 holes, Ø 25 x 22 mm		
incl. forward jet spray, 5 hole, Ø 25 x 22 mm	0.04	**76063**
Rotary nozzle 45°, 4 holes, Ø 16 x 30 mm	0.08	**77503**
Cleaning lance with wide-angle nozzle	1.30	**76073**
for surface cleaning		
Spare wide-angle nozzle	0.01	**76082**
Injector suction pipe for cleaning agent,	0.05	**76067**
only for use with cleaning lance, length 1.2 m		
Water suction hose	0.20	**76066**
for intake from containers, length 3.0 m		

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



Model	kg	No.
Flexible, high-pressure hose with R 1/4" coupling		
Length 10 m, NW 6 (HD 13/100, HD 17/190)	2.50	**72810**
Length 20 m, NW 6 (HD 13/100, HD 17/190)	4.50	**72812**
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 hole, 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**
Injector suction pipe for cleaning agent	0.05	**76067**
only for use with cleaning lance, length 1.2 m		
Water suction hose, length 3.0 m	0.20	**76066**
for intake from containers		


ROTHENBERGER



ROWELD®
Plastic Pipe Welding

System Overview Plastic Pipe Welding 250 - 251

Cutting

Cutting-/ Chamfering Tools 252 - 253

Orbital Circular Saw / Pipe Cutter 254

Socket Welding

Socket Welding Units / Heating Plates 256 - 257

Hot Gas Welding

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Butt Welding

ROWELD® P 110 262 - 263

ROWELD® P 160 SANILINE 264 - 265

ROWELD® P 250 A 266 - 267

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Workshop Machines 270

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Plastic Pipe Welding

System Overview

Cutting

	ROCUT® 110	ROCUT®160	ROCUT® XL 125	ROCUT® XL 250
				
Suited for:	PE, PP, PVC, PEX, PVDF, PB***	PE, PP, PVC, PEX, PVDF, PB***	PE	PE
Outer pipe diameter:	Ø 32 - 110 mm	Ø 110 - 160 mm	up to Ø 125 mm	up to Ø 250 mm
Wall thickness:	up to max. 16 mm*	up to max. 16 mm*	up to max. 11,4 mm	up to max. 18 mm
Operation mode:	manual	manual	manual	manual
Function:	Cutting, Chamfering	Cutting, Chamfering	Cutting	Cutting
Page	253	253	254	254

Butt 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:	–	–	–
Operation mode:	–	–	–
Page	255	255	255

Electrofusion Welding

	ROFUSE Sani 160	ROFUSE 400 TURBO	ROFUSE 1200 TURBO
			
Suited for:	PE, PP	PE, PP	PE, PP
Outer pipe diameter:	up to Ø 160 mm	up to Ø 400 mm	up to Ø 1200 mm**
Socket type:	Sockets for pressureless pipe systems	Sockets for pressureless pipe systems	Sockets for pressureless pipe systems
Voltage:	230 V	8 - 48 V	8 - 48 V
Documentation:	–	✓	✓
Page	259	260	260

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*not for all materials, dependant on cutting tool
**Consider technical data of the socket
***dependant of cutting tool

Cutting

Socket Welding

	ROCUT® XL 315	ROCUT® UKS 160 / 355	ROWELD® P63-S6	ROWELD® P125
				
Suited for:	PE	PE, PP, PVC	PE, PP	PE, PP
Outer pipe diameter:	up to Ø 315 mm	Ø 160 - 355 mm	Ø 32 - 63 mm	Ø 16 - 125 mm
Wall thickness:	up to max.18 mm	up to max. 40 mm	–	–
Operation mode:	manual	manual	manual	elektrisch
Function:	Cutting	Cutting	Socket welding	butt welding, Socket welding
Page	254	254	257	255

Butt Welding

	ROWELD® P110	ROWELD® P160	ROWELD® P250A
			
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:	SDR see technical data	SDR see technical data	SDR see technical data
Operation mode:	manual	manual	manual
Page	262	264	266

Hot Gas Welding

	ROWELD® Quick S	ROWELD® WG 1600 E
		
Suited for:	thermoplastics, technical textiles, roofing materials sheets, pool liners, films	thermoplastics, technical textiles, roofing materials sheets, pool liners, films
Power:	1,500 W	1,500 W
Weight:	1.4 kg	0.7 kg
Air requirement:	–	80 - 250 l/min
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ROCUT® 110 / ROCUT® 160

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

Product Profile

APPLICATION AREA

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

KEY FEATURES

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

KEY FEATURES

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

TECHNICAL DATA

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



No. 55035

ROCUT® 110 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)in plastic carrying case (No. 55016)



No. 55063

ROCUT® 160 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), plastic carrying case (No. 55017)



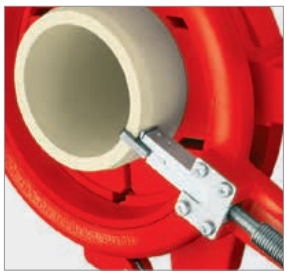
Handheld operation



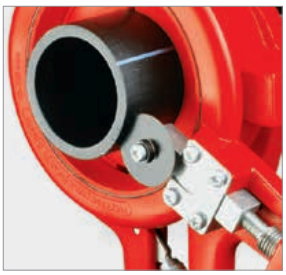
Clamping in a parallel vice



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	21652
Plastic carrying case for ROCUT® 110	850	55016
Plastic carrying case for ROCUT® 160	1,400	55017
Internal deburrer with blade	150	55018

You'll find clamping jaw sets on 253





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 Blade 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

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 & 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

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	40	0.26	55592
17	0.06	55586	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

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
1,500	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

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 thanks 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, allen key size 6 (No. 321216), socket-head screws, table mounting clamp, loor stand, plastic carrying case



Fig. P 63 S-6, thermostatically controlled

Electronically controlled for a constant temperature!



Fig. P 63 S-6, electronically controlled

Model	Working range Ø mm	Power watts	Description	kg	230 V	110 / 115 V
P 63 S-6 Set	20, 25, 32	800	thermostatic	4.30	053892X	053894X
P 63 S-6 Set	20, 25, 32, 40, 50, 63	800	thermostatic	5.30	053893X	1000001245
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	1000001270
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 & 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® Quick S / WG 1600 E

230 V

Product Profile

APPLICATION AREA

Processing of roofing materials. Welding of sheets, films, tents, in boat building, refuse dump construction. Shrinking of fittings and sleeves in the electrical industry. Repair and processing of plastic parts in automobile repair shops. Hot air welding, shaping and shrinking of thermoplastics in the workshop or on building sites

KEY FEATURES

- Suitable for continuous operation
- Light, handy and robust
- Welding temperature up to 700° C, continuously adjustable
- Clip-on speed nozzles, no screws
- Easy fitting of the nozzles in all working applications

KEY FEATURES

- Service-friendly: Heater assembly easily replaceable
- Ideal for stationary use in the workshop, powerful, light (700 g) and handy hot gas welding unit (WG 1600 E)
- Active device protection for a long service life. In case of an air supply failure, a safety circuit reduces the heating power and switches it off completely after 30 seconds (WG 1600 E)

TECHNICAL DATA

Air requirement: 80 - 250 l / min
We recommend the air compressor V 26, (No. 53378) for the WG 1600 E

Heating element: 1,500 watts heating element with electronic temperature control


No. 55760


No. 55780

Model	kg	230 V 50 / 60 Hz	
ROWELD® Quick S complete with 5 mm tubular nozzle (No. 55769)	1.4		55760

Model	kg	230 V 50 / 60 Hz	
ROWELD® WG 1600 E complete with 5 mm tubular nozzle (No. 55769)	0.7		55780

Nozzles and Accessories for Quick S and WG 1600E


1 No. 55769


2 No. 55778


3 No. 55779


4 No. 55773


5 No. 55776


6 No. 55772


7 No. 55783


8 No. 55816


9 No. 73152


10 No. 55800


11 No. 55782

Model	Part-No.	mm	g	No.
Universal tubular nozzle	1	5.0	40	55769
Wide slot nozzle, angled	2	20.0	50	55778
Wide slot nozzle	3	40.0	60	55779
Speed nozzle for round welding rod	4	3.0	20	55773
Speed nozzle for round welding rod		4.0	20	55774
Speed nozzle for round welding rod		5.0	20	55775
Triangular speed nozzle for profiled welding rod	5	5.0	20	55776
Triangular speed nozzle for profiled welding rod		7.5	20	55777
Tacking nozzle	6		20	55772

Model	Part-No.	g	No.
Shrinkage reflector	7	60	55783
Pressure roller, 45 mm for overlap welding of sheets	8	210	55816
Phillips screwdriver for nozzle mounting	9	40	73152
Heating plate 1,500 watts	10	80	55800
Spare carbon (1set = 2 pcs.) for Quick S		10	55793
Reinforced plastic pipe 3 m (f. WG 1600 E)	11	350	55782
Steel case for ROWELD® HG 1600 E		4,400	55799

ROWELD® ROFUSE Sani 160

Universal electro-fusion welding unit for drainage pipe with welding sockets up to Ø 160 mm

230 V

Product Profile

APPLICATION AREA

Universal electro-fusion welding unit for PE and PP drainage pipe fittings, for 230 V fittings. For the following makes: Geberit, Akatherm-EUR, Coes, Valsir, WAVIN-Duo, Aquatherm and Vulcathene-Euro

KEY FEATURES

- Microprocessor-controlled welding unit with automatic temperature compensation of the welding time
- Visual monitoring of the welding process
- Large operating radius
- Robust and impact resistant casing (IP 54)
- Automatic welding parameter settings

TECHNICAL DATA

Input voltage:	230 V
Tolerance:	180 V - 280 V
Frequency:	40 Hz - 70 Hz
Output voltage:	230 V
Protection class:	IP 54
Temperature range:	-5 °C up to + 40 °C
Max. Output current:	5 A
Weight:	1.4 kg
Dimensions:	120 x 160 x 77 mm
Welding cable:	3 m

Microprocessor

Controlled welding unit with automatic temperature compensation

Clear, digital display

Visual monitoring of the welding process



Impact-resistant casing (IP 54)

Robust

3 m welding cable

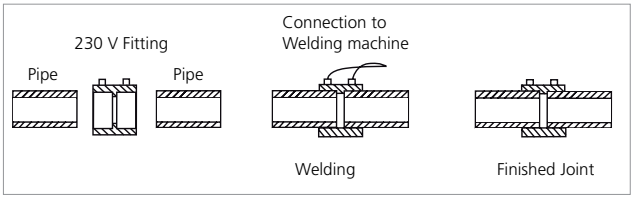
Large operating radius

Carrying bag



Easy to transport





Model	kg	No.
ROWELD® ROFUSE Sani 160 with carrying bag	1.4	54230

ROFUSE 400 / 1200 TURBO

Universal electrofusion welding units for PE- and PP-fittings up to 400 and up to 1,200 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 Hz / 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 1,200 mm
Protection class:	IP 54
Transmission interface:	USB v 2.0
Storage capacity:	2,000 welding logs
Weight incl. welding cable:	approx. 21.5 kg
(Basic unit without accessories)	

A language neutral instruction manual

Easy to operate

USB

Simple data transmission

A clear display

Allows intuitive operation.
The program sequence can be adapted individually



A practical pocket

for the welder's name and scan site-code

Height-adjustable cover

Can be used as a sun shield

A robust housing

The cable can be stowed away securely



Wireless Scanner

Simple and unlimited handling

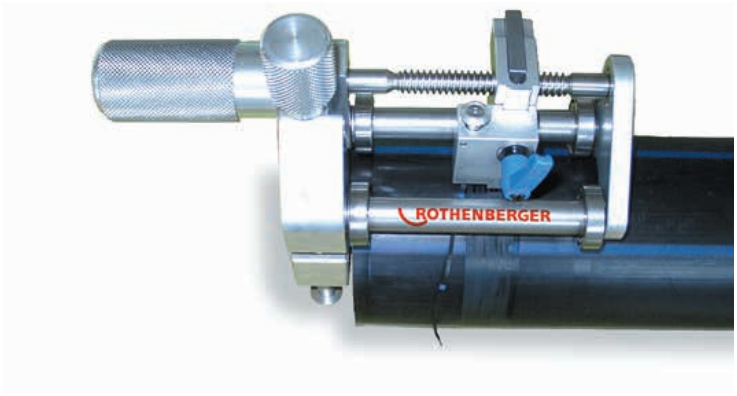
Model	kg	No.
ROFUSE 400 TURBO	21.5	1000000999

Model	kg	No.
ROFUSE 1200 TURBO	21.5	1000001000

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

Peeling device for electric socket welding

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

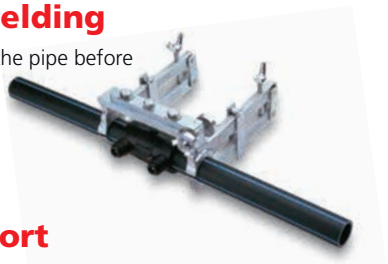
- **Mechanical:**
  Range of use from Ø 32 - 63 mm.
  To avoid damage to the squeezed area, distance plates can be adjusted on the side.
- **Hydraulic:**
  Range of use from Ø 75 - 225 mm.
  Functions as mentioned above.
  With this unit you can reform squeezed pipes with the help of the rounding shells.



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 electric socket welding

For alignment and fixation of the pipe before and during the welding cycle.



Double clamp short

For alignment and fixation of pipe before and during the welding cycle.



Quad clamps

For manufacturing standard connections with rod shaped material Ø 63 - 225 mm.



Rounded 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	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
Rounded clamp	25 mm	53281
Rounded clamp	32 mm	53282
Rounded clamp	40 mm	53283
Rounded clamp	50 mm	53284
Rounded clamp	63 mm	53285

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

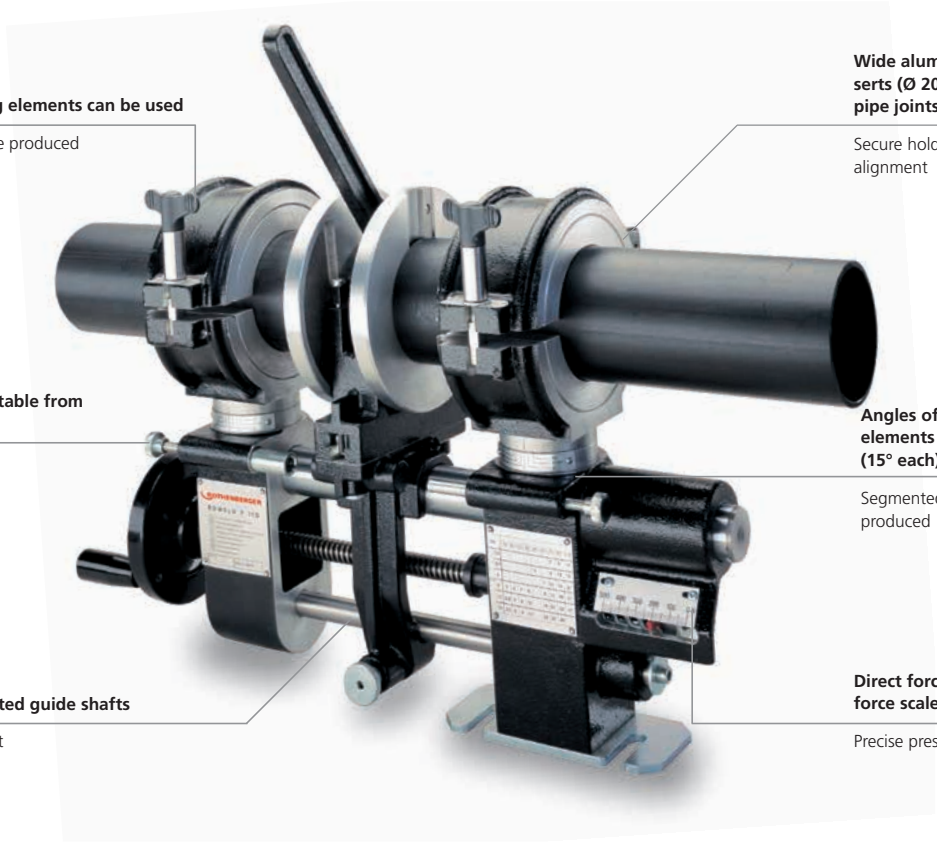
- Production of segmented bends possible
- Precise pressure adjustment
- Single and double-sided trimming possible

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

12

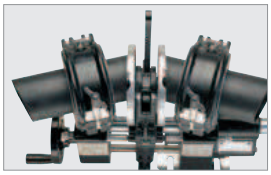
Rectangular heating element



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





Scope of delivery (No. 55844): 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

Reducer Clamping Inserts Wide

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
50	1.7	55123			



Reducer Clamping Inserts Narrow

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
50	0.5	55131			



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 watts

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
Allen key SW 6	0.03	321216
Allen 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

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 - 17.6)
Weight:	34.4 kg
Heating plate:	800 W
Trimmer unit:	1,050 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



P 160 SANILINE complete (No. 54000/54001)

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



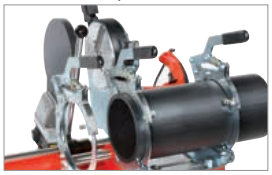
Saniline special edition with Folding trolley (No. 54401)



Trimmer attachment (No. 54040) (special accessories)



Basic clamping set (No. 54082) (special accessories)



Scope of delivery (No. 54000/54001): Basic unit with electric trimmer, electrically adjustable heating element, removable. Basic clamping set right and left Ø 160 mm (No. 54082), pipe support Ø 160 mm, reducer clamp and support set for Ø 40, 50, 63, 75, 90, 110 and 125 mm in case (No. 54020), installation tools, mobile work and transport frame (No. 54015)

Model	Working range Ø mm	Temperature control	kg	230 V 50 Hz	110/115 V 50 Hz
ROWELD® P 160 SANILINE complete	40, 50, 63, 75, 90, 110, 125, 160	electronically	57.4	54000	54001
ROWELD® P 160 SANILINE special edition	40, 50, 63, 75, 90, 110, 125, 160	electronically	61.2	54004	

ROWELD® P 160 SANILINE Basic Machine

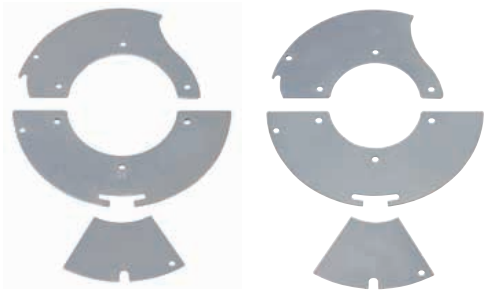
Basic machine includes: Trimmer unit (1,050 W), heating plate (800 W), basic clamp set Ø160mm pipe supports Ø 160 mm



Model	kg	230 V 50 Hz	110/115 V 50 Hz
ROWELD® P 160 SANILINE Basic machine	34.4	54005	54006

Reducer Clamping Inserts

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 (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 (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	54015
Folding trolley		20.00	56051
plastic case for reducer inserts		2.32	54020
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. 54015



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 17.6) 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:	1,200 W

Electric, high-torque safety trimmer unit (450 watts) locks into place in the working position

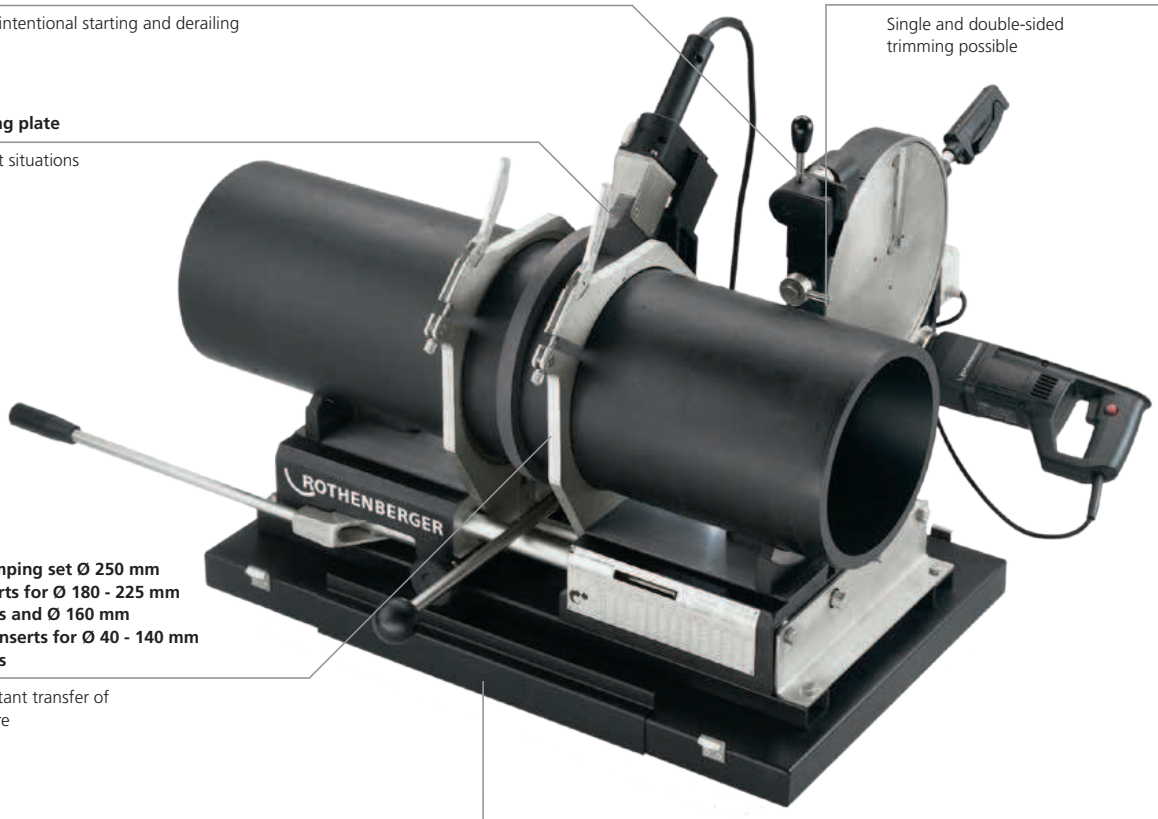
Protects against unintentional starting and derailing of the trimmer unit

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



Mechanical stop adjustable from both sides

Single and double-sided trimming possible

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	110/115 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	55796
ROWELD® P 250 A basic machine			36.1	55768	55738

ROWELD® P 250 A Set
Basic machine with trimmer unit



Set 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

Set includes: 2 basic clamps and 2 support forks



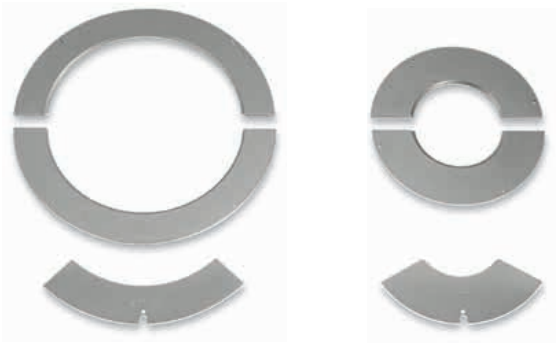
No. 55742

No. 55717

mm	kg	No.	mm	kg	No.
160	7.25	55742	250	10.10	55717

Reducer Clamping Insert Set

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 watts



230 V 115 V 110 V

No. 55317 / No. 55854

Model	kg	230 V 50 / 60 Hz	110 V / 115 V 50 / 60 Hz
Electronically controlled	5.35	55317	55854
Spare knife (1 set = 2 piece)	0.10		55163
Allen key size 8	0.20	321218	321218
Transport box, protective cover red	25.00	55759	55759
Steel carrying case	2.82	54020	54020

The new generation of ROWELD® hydraulic controls for butt welding

The ROWELD® hydraulic unit is available in a **professional** and **premium** version.
The premium hydraulic unit is divided into **Premium** and **Premium CNC** capacities.

Everything at a glance...	 *Fig. similar* Type Professional	 Type Premium	 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 - 1,200 mm
Selection of components with a long service life ensures a low maintenance, robust and reliable operating mode.

Product Profile

APPLICATION AREA

For heating element 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	Ø Inch
P 160 B / P 5 B	40 - 160 mm	1.1/4" - 5"
P 200 B	63 - 200 mm	
P 250 B / P 8 B	90 - 250 mm	5 - 8"
P 355 B / P 12 B	90 - 355 mm	5 - 12"
P 500 B / P 18 B	200 - 500 mm	8 - 18"
P 630 B / P 24 B	315 - 630 mm	12 - 24"
P 800 B	500 - 800 mm	
P 1200 B / P 48 B	710 -1,200 mm	28 - 48"







Set P 355 B
No. 1000000383

ROWELD® type Premium

Hydraulic butt welding machine Ø 90 - 630 mm
The Premium Hydraulic System guides the user step-by-step through the welding process.
All parameters are documented automatically.

Product Profile

APPLICATION AREA

The ROWELD® Hydraulic Premium with an integrated logging module 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	Ø Inch
P 250 B / P 8 B	90 - 250 mm	5 - 8"
P 355 B / P 12 B	90 - 355 mm	5 - 12"
P 500 B / P 18 B	200 - 500 mm	8 - 18"
P 630 B / P 24 B	315 - 630 mm	12 - 24"
P 800 B	500 - 800 mm	
P 1200 B / P 48 B	700 - 1,200 mm	28 - 48"

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







Set P 355 B
No. 1000000562

ROWELD® type Premium CNC

Hydraulic butt-welding machine Ø 90 - 630 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	Ø Inch
P 250 B SA / P 8 B SA	90 - 250 mm	5 - 8"
P 250 B VA / P 8 B VA	90 - 250 mm	5 - 8"
P 355 B SA / P 12 B SA	90 - 355 mm	5 - 12"
P 500 B SA / P 18 B SA	200 - 500 mm	8 - 18"
P 630 B SA / P 24 B SA	315 - 630 mm	12 - 24"
P1200 B SA / P 48 B SA	710 - 1,200 mm	22 - 48"

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)







Set P 355 B
No. 1000000563

ROWELD® P 315 W / P 315 W CNC

Heating plate butt welding machine Ø 90 - 315 mm

400 V

Product Profile

APPLICATION AREA

- High-performance butt welding machine for single and serial production in the workshop
- For butt welding of PE, PP and PVDF pipes and fittings from
- Universal machine for pipe/pipe, pipe/fitting, pre-sealing strip welding
- Perfect for the prefabrication of pipe elbow segments and T-pieces

TECHNICAL DATA

Electrical Hydraulic unit:		400 W 230 V / 400 V, 50/60 Hz
Electrical Trimmer unit:		700 W
Heating plate:		3,000 W, 400 V, 50/60 Hz
Weight:	**P 315 W complete:**	523 kg
	P 315 W Basic:	385 kg
	P 315 W CNC complete:	523 kg
	P 315 W CNC Basic:	385 kg



Fig. ROWELD® P 315 W CNC

ROWELD® P 630 W

Plastic pipe welding machine Ø 315 - 630 mm

400 V

Product Profile

APPLICATION AREA

For plastic pipe welding of PE and PP pipes.

KEY FEATURES

- Reliable, warp-resistant transfer of the welding force and exact control of the welding pressure
- Long-lasting heating plate according to DVS, CEN and ISO guidelines
- Workshop welding machine, et.al with rotatable tools for the manufacture of pipe elbows on each side up to 22.5°, as well as the possibility of series production of segments

TECHNICAL DATA

Electric-hydraulic unit:	2,250 W 400 V, 50/60 Hz
Electric trimmer unit:	3 kW 400 V, 50/60 Hz
Heating plate:	14 kW 400 V, 50/60 Hz

Long-lasting heating plate in accordance with DVS, CEN and ISO guidelines

Electronically controlled heating plate with high-quality, non-stick coating, can be positioned hydraulically



Exact control of the welding force

Hydraulic unit for continuous use with higher pressure consistency, no pressure loss during welding

ROWELD® Manual welding extruder with integrated air supply

For welding containers, installations and pipeline construction in workshop and building site operation

Product Profile

WORKING RANGE

Model	Ø welding wire	Range of use
ROWELD® D2/20	3 mm	2 - 10 mm
ROWELD® D4/15 Aero Basic	3 mm, 4 mm	4 - 15 mm
ROWELD® D4/15 Aero	3 mm, 4 mm	4 - 15 mm
ROWELD® D8/30 Aero	3 mm, 4 mm	8 - 30 mm

TECHNICAL DATA

Model	Welding material	Welding consumption	Power consumption	Temperature display	360° rotatable Pre-warming
ROWELD® D2/10	PE, PP, PVDF, PVC, PVC-C	Ø 3 mm, 0.6 kg/h	Pre-warming fan: 2.3 kW Heating belt 75 W	digital	
ROWELD® D4/15 Aero Basic	PE, PP, PVDF	Ø 3 mm, 1.1 kg/h	2.7 kW		•
	PE, PP, PVDF	Ø 4 mm, 1.8 kg/h	2.7 kW		
ROWELD® D4/15 Aero	PE, PP, PVDF	Ø 3 mm, 1.1 kg/h	3.4 kW	digital	•
	PE, PP, PVDF	Ø 4 mm, 1.8 kg/h	3.4 kW	digital	
ROWELD® D8/30 Aero	PE, PP, PVDF	Ø 3 mm, 1.8 kg/h	3.4 kW	digital	•
	PE, PP, PVDF	Ø 4 mm, 3.2 kg/h	3.4 kW	digital	

Flexible
Extremely light and handy



ROWELD® D4/15 Aero
No. 55503

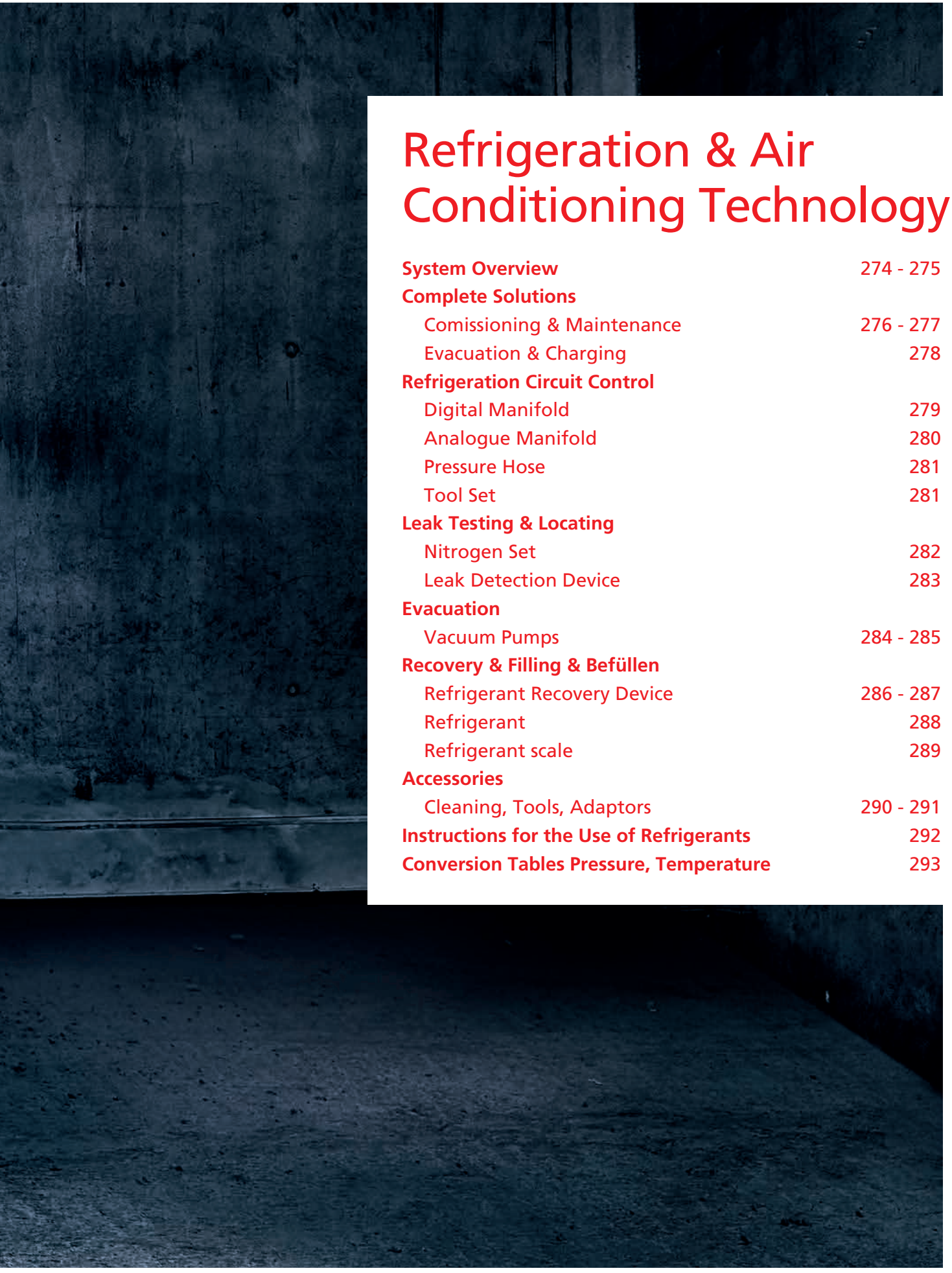
Sturdy drive
long-lasting

ROWELD® Manual welding extruder

Scope of delivery: 1 welding shoe, 1 set air jets, 1 unit stand, tool set

Model	kg	Voltage	Frequency	No.
ROWELD® D 2 / 10	3.4	230 V	50 / 60 Hz	55504
ROWELD® D 4 / 15 Aero Basic	4.8	230 V	50 / 60 Hz	55502
ROWELD® D 4 / 15 Aero	5.5	230 V	50 / 60 Hz	55503
ROWELD® D 8 / 30 Aero	7.8	230 V	50 / 60 Hz	55506


ROTHENBERGER



Refrigeration & Air Conditioning Technology

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Complete Solutions

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Refrigeration Circuit Control

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Refrigerant Recovery Device 286 - 287

Refrigerant 288

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Accessories

Cleaning, Tools, Adaptors 290 - 291

Instructions for the Use of Refrigerants 292

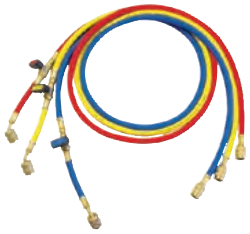
Conversion Tables Pressure, Temperature 293

System Overview

Complete Solutions

	ROKLIMA® MULTI 4F	ROCADDY 120	ROCADDY 120 Digital
			
Refrigerants class A1: (R134a, R410A usw.)	✓	✓	✓
Refrigerants class A2: (R32, R1234yf usw.)	–	✓*	✓*
CO_2 subcritical (R744):	–	–	✓
System size:	< 24 kW	< 24 kW	< 24 kW
Page	276, 277	278	278

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 usw.)	✓	✓	✓	✓
Refrigerants class A2: (R32, R1234yf usw.)	✓	✓	–	✓
CO_2 subcritical (R744):		–	–	✓
System size:	all	all	all	all
Page	279	280	280	281

13

*Only Manifold, not Vacuum pump

Evacuation

	ROAIRVAC 1.5	ROAIRVAC 3.0	ROAIRVAC 6.0	ROAIRVAC R32 6.0	ROAIRVAC 9.0
					
Refrigerants class A1: (R134a, R410A usw.)	✓	✓	✓	✓	✓
Refrigerants class A2: (R32, R1234yf usw.)	–	–	–	✓	–
CO_2 subcritical (R744):	✓	✓	✓	✓	✓
System size:	< 24 kW	< 74 kW	< 123 kW	< 123 kW	> 124 kW
Page	284, 285	284, 285	284, 285	284, 285	284, 285

Recovery

	ROREC	ROREC PRO Digital
		
Refrigerants class A1: (R134a, R410A usw.)	✓	✓
Refrigerants class A2: (R32, R1234yf usw.)	–	✓
CO_2 subcritical (R744):	–	–
System size:	< 24 kW	all
Page	286	287

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 | RO SERVICE+ [1)] | 2,5 m | DIN -Norm | 230 V | Off / On

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 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

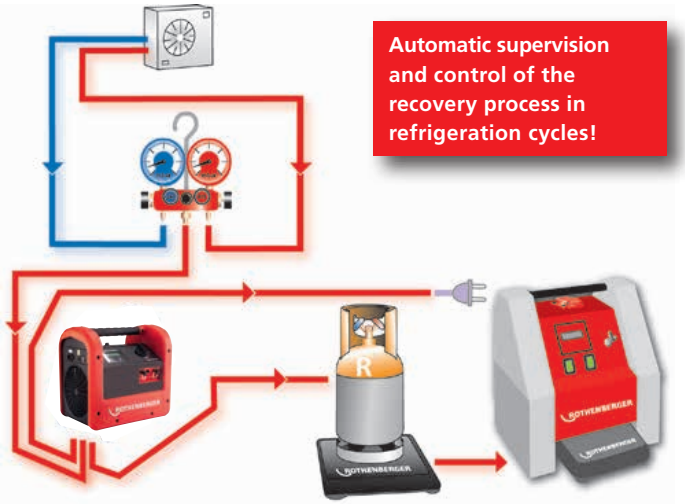


[1)] Complete terms and conditions at www.rothenberger.com/service. RO SERVICE+ only valid in participating countries.

Automatic evacuation and filling with the ROKLIMA® MULTI 4F!



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



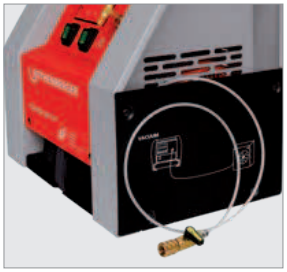
ROKLIMA® MULTI 4F in use (evacuation and charging)



Scope of delivery (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	1	1000000138
Reducer pieces 1/4" SAE F - 5/16" SAE M	0.1	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 / ROCADDY 120 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

TECHNICAL DATA

- Electric digital scale ROSCALE 120 with a weight capacity of 120 kg and a measuring accuracy per measurement of 5 g
- 2-stage vacuum pump ROAIRVAC 1.5 with integrated vacuum meter and solenoid valve, as well as a pump rating of 42 l/min
- Digital manifold (with ROCADDY 120 Digital) for the automatic calculation of superheat and subcool. More than 80 refrigerants are on file in the unit
- 2 analogue 4-way manifolds (with ROCADDY 120) for the common refrigerants R22, R134a, R404A, R407C and the high-pressure refrigerant R410A
- Pressure hose sets, each with 3 hoses from the PLUS series with shut-off valve for safe use with refrigerants
- Pipe cutter TUBE CUTTER 35 and MINICUT II PRO for cutting Ø 6 - 35 mm pipes to length

Sturdy plastic rolling case (Fig. similar)

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



Bottle adaptor for 1 kg and 2 kg refrigerant bottles for connection to the scale

Secure mounting of the bottle during charging

2 x analogue manifolds (with ROCADDY 120)



ROCOOL 600

Automatic calculation of superheat and subcool. Optionally upgradable through attachment of a vacuum probe and a reading out function (with ROCADDY 120 Digital)

Electronic digital scale up to 120 kg with high measurement precision

Precise weighing of refrigerants

Mini tube cutter and pipe cutter

For cutting Ø 6- 35 mm pipes to length

ROCADDY 120 includes: 2-stage vacuum pump ROAIRVAC 1.5 (No. 170061) with vacuum gauge and solenoid valve, 4-way manifold for R22, R134a, R407C (No. 170502), 4-way manifold for R410A (No. 1000001427), pressure hose set 5/16" SAE each 1,500 mm with ball valve for R410A (1500000030), pressure hose set 1/4" SAE each 1,500 mm with ball valve for R22, R134a, R407C (No. 1500000028), ROSCALE 120 (No. 173004), 1x adaptor 3/8" SAE F – 1/4" SAE M (No. 089401), 2x adaptor (5/16" SAE F – 1/4" SAE M with valve trigger (No. 01700RD), adaptor 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			
ROCADDY 120 with 2 analogue manifolds	42 l / min	19	1000000057

ROCADDY 120 Digital includes: 2-stage vacuum pump ROAIRVAC 1.5 (No. 170061) with vacuum gauge and solenoid valve, 1x digital manifold ROCOOL 600 (No. 1000000569), 1x clamping thermometer (No. 1000000540), pressure hose set 1/4" SAE 1,500 mm with ball valve for R22, R134a, R407C (No. 1500000028), ROSCALE 120 (No. 173004), 1x 5/16" SAE F – 1/4" with valve trigger (No. 1700RD), 1x 5/16" SAE M – 1/4" SAE F (No. 170016), 1x bottle connection 1/4" (No. 173205), 1x 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 R507			
ROCADDY 120 Digital with digital manifold	42 l / min	18	1000000058

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. Additionally there is an optional external Pirani vacuum probe for precise vacuum readings
- 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

Scope of delivery (No. 1000000539): 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 www.rothenberger.com/service.
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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

Pressure gauge with shock-proof rubber protector

Protects against damage

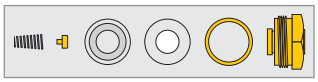
Valve body made of aluminium with gauge glass

Sturdy despite low weight

Large hand valve with colour coding

Light, secure and precise opening and closing of the diaphragm valve, maintenance free

Valve sets



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	1	170501
4-way, 1/4" SAE	-1 up to 17	0 - 34	0.9	1	170502
R410A **R32**					
2-Way, 5/16" SAE	-1 up to 30	0 - 60	0.7	1	1000001426
4-Way, 5/16" SAE	-1 up to 30	0 - 60	0.9	1	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

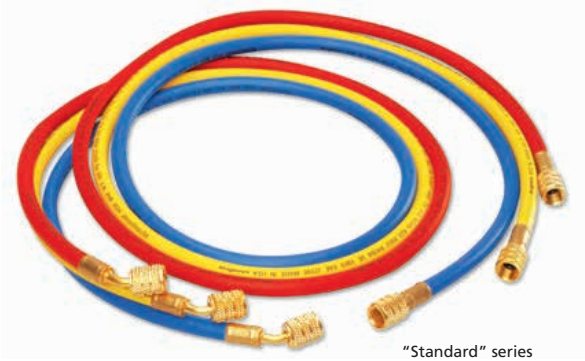
3-piece Pressure Hose Sets

Available in "Standard" and "Plus"

Product Profile

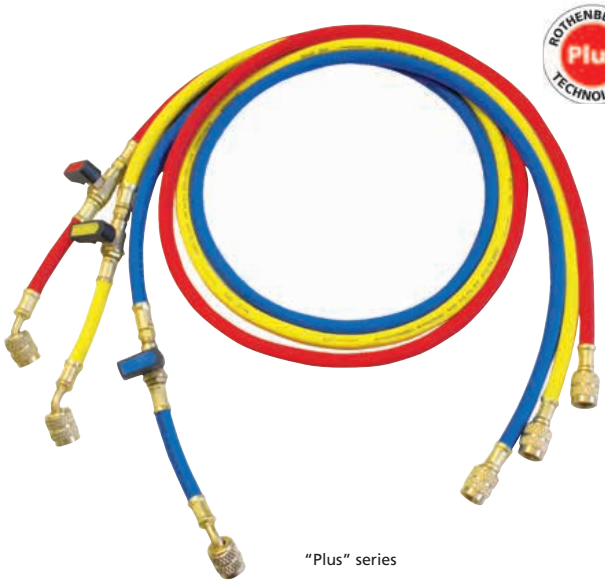
KEY FEATURES

- 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	1	1500000032
R22 R134a R407C R404A				
Set of 3 pressure hoses	1/4" SAE	1,500	1	1500000024
Pressure hose yellow	1/4" SAE	1,500	1	1500000025
R410A R32				
Set of 3 pressure hoses	5/16" SAE	1,500	1	1500000026
Pressure hose yellow	5/16" SAE	1,500	1	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	1	1500000028
Pressure hose yellow	1/4" SAE	1,500	1	1500000029
R410A R32				
Set of 3 pressure hoses	5/16" SAE	1,500	1	1500000030
Pressure hose yellow	5/16" SAE	1,500	1	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	1	170604
Tool Set Climate II	2.4	1	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	259008
Filling hose with pressure gauge	259010
Connection 5/16" SAE internal, 1/4" SAE external	01700RD

ROLEAK

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

R410A | R22 | R134a | R407C | R404A | R507A

Product Profile

KEY FEATURES

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

TECHNICAL DATA

Leak status:	LED display
Sensor length:	30 cm
Leak detection rate:	3 g/a within 3 seconds
Weight:	280 g
Working temperature:	-10 up to + 49°C
Voltage:	2.4 V

Heated pentode
Durable and highly sensitive sensor tip with a leak detection rate of 3 g/a within 3 seconds

Audio signal
Comfortable use

7 LEDs
Simple determination of the refrigerant concentrate with the coloured shading

7 different sensitivity levels
Exact and fast location of the leak



30 cm long, flexible sensor
Easy access in hard-to-reach places

RESET-button
Adjusts to the sensor tip zero point setting for simple leak location



No. R08730516

Suitable for all common CFC, HFC and HCFC!

Scope of delivery (No. R08730516) Leak detection unit ROLEAK, spare sensor, battery charger, battery

Model	No.
ROLEAK set with spare sensor and battery charger in plastic case	R08730516
Spare sensor	87309

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)

Model	No.
ROLEAK Pro in plastic case	1500002241

Audio signal
Comfortable use

7 LEDs
Simple determination of the refrigerant concentrate with the coloured shading

3 different sensitivity levels
Exact and fast location of the leak

RESET - button
Adjusts to the sensor tip zero point setting for simple leak location

40 cm long, flexible sensor
Easy access in hard-to-reach places



No. 1500002241

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

ROAIRVAC

Two-stage vacuum pump

For evacuation in accordance with DIN 8975 with vacuum gauge and solenoid valve

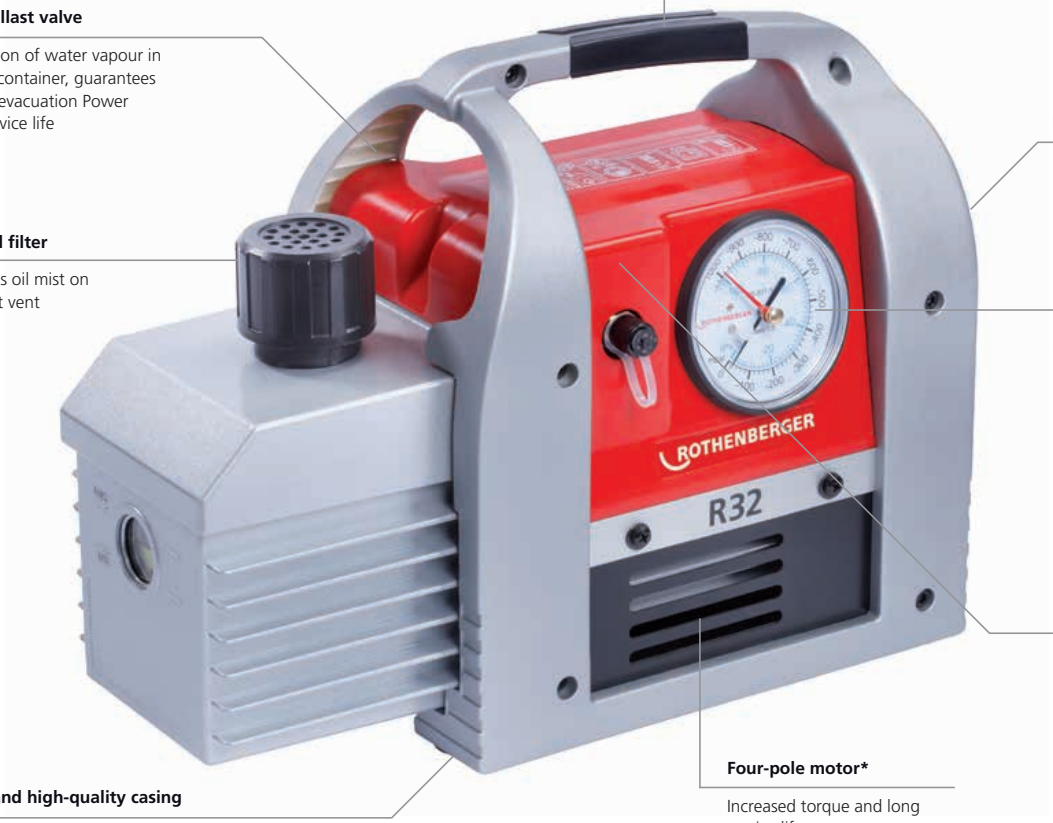
Product Profile

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 1.5, 3.0 and R32 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 www.rothenberger.com/service. RO SERVICE+ only valid in participating countries.

ROAIRVAC Serie

Two-stage rotary vane pump for evacuation in accordance with DIN 8975

Typ	ROAIRVAC 1.5	ROAIRVAC 3.0	ROAIRVAC 6.0	ROAIRVAC R32 6.0	ROAIRVAC 9.0
No.	**170061**	**170062**	**170063**	**1000001231**	**170064**
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	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	2
Final vacuum	15 micron / 0.02 mbar	15 micron / 0.02 mbar	15 micron / 0.02 mbar	15 micron / 0.02 mbar	25 micron / 0.034 mbar
Motor rating	190 W / 1720 r/m	250 W / 1720 r/m	375 W / 3440 r/m	550 W / 1720 r/m	750 W / 3440 r/m
Voltage	230 V	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	50 Hz / 60 Hz
Connection	1/4"	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	5/16" SAE M/3/8" SAE M
Oil capacity	250 ml	330 ml	330 ml	580 ml	590 ml
Weight	9.0 kg	10.7 kg	11.5 kg	17.3 kg	17.0 kg
Manifold Ø	50 mm	50 mm	50 mm	80 mm	80 mm



ROAIRVAC 1.5 (42 l/min)



ROAIRVAC 3.0 (85 l/min)



ROAIRVAC 6.0 (170 l/min)



ROAIRVAC R32 6.0 (170 l/min)

Future-proof product for the increased use of R32 refrigerants

Mineral oil is included in all pump deliveries



ROAIRVAC 9.0 (255 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 1.5	42 l/min	9.0	170061
ROAIRVAC 3.0	85 l/min	10.7	170062
ROAIRVAC 6.0	170 l/min	11.5	170063
ROAIRVAC R32 6.0	170 l/min	17.3	1000001231
ROAIRVAC 9.0	255 l/min	17.0	170064
Mineral oil 1 litre			169200

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



ROREC

Refrigerant recovery device

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

RO SERVICE+ [1] | class 1.6 | 63 mm | 230 V

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 refrigerants of the type CFC-HCFC-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 & multi-split air-conditioning units and heat pumps!



Oil-free compressor
Maintenance-free operation

Integrated high pressure switch
Protects the integrated components

PURGE function
Emptying of refrigerant residue in the unit (self-cleaning mode)

Thermal switch
Protects the unit from overheating

Simple use
Controlled dosage of the refrigerant supply

Light and compact plastic casing
Simple transport and use

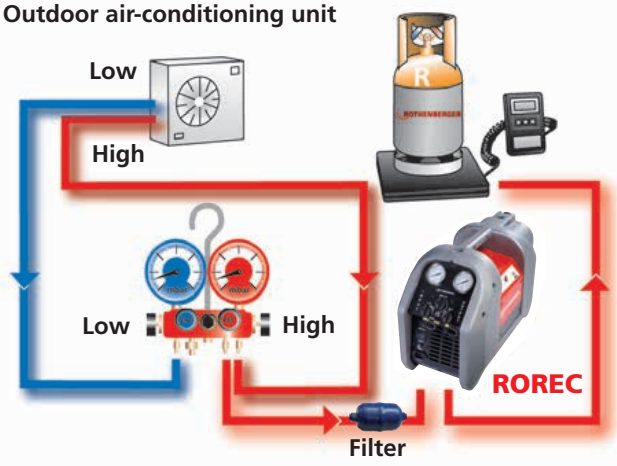
RESET Button
Reset of the pressure shut-off

4-pole motor
Increased torque and service life

Removable cable
Prevents cable damage

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	1	168605
Filter		0.12	1	168713

[1] Complete terms and conditions at www.rothenberger.com/service. 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	1	1500002637
Filter	0.12	1	168713

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

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

Refillable bottles

Full flexibility for the user

Standardised SAE thread on all bottle valves

Universal application



Model			No.
R407C Refrigerant R407C in cardboard packaging			
1 l steel bottle 1/4" SAE, 850 g	1	12	170913
2 l steel bottle 1/4" SAE, 1700 g	1	6	170931
R410A Refrigerant R410A in cardboard packaging			
1 l steel bottle 5/16" SAE, 800 g	1	12	170912
2 l steel bottle 5/16" SAE, 1600 g	1	6	170932

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



Scope of delivery: ROSCALE 120, 9 V battery, carrying case

Model	kg	No.
ROSCALE 120	3.28	R17300416

ROSCALE 120 in carrying case

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

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	1(12)	400 ml	85800

Bottle Connection and Adaptors

For refrigerant bottles

For use with new refrigerant bottles on existing equipment



No. 170950



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, 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. 1750.01) 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 piece	1.7	175001

Adjustable Wrench

Chrome vanadium steel, drop forged, chrome-plated and polished

Product Profile

KEY FEATURES

- Precise operation: Smooth-running and robust roller with minimum play in the sliding guides





Size Inch	mm	Clamping width up to mm	g	No.
6″	160	20	100	70441
8″	210	25	220	70442
10″	250	29	390	70443
12″	300	34	660	70444
15″	380	44	1,170	70445

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	1,700	–
R134a (HFKW-chlorine-free refrigerant)	CF3CH2F	0	1,300	–
R32 (HFKW-chlorine-free refrigerant)	CH2F2	0	675	–
R404A (HFKW-chlorine-free blends)	52% R143a, 44% R125, 4% R134a	0	3,750	–
R507 (HFKW-chlorine-free blends)	50% R143a, 50% R125	0	3,800	–
R407C (HFKW-chlorine-free blends)	23% R32, 25% R125, 52% R134a	0	1,610	7.5K
R410A (HFKW-chlorine-free blends)	50% R32, 50% R125	0	1,890	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 can be found at https://rothenberger.com/de-de/5-jahres-umtauschgarantie.



General-Purpose Tools

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System Overview

ROGRIP Pliers

	ROGRIP M 7”	ROGRIP M 10”	ROGRIP F 7”	ROGRIP F 10”	ROGRIP S 7”
					
Working range:	Ø 43 mm (1.1/4”)	Ø 60 mm (2”)	Ø 43 mm (1.1/4”)	Ø 60 mm (2”)	Ø 43 mm (1.1/4”)
Length:	185 mm (7”)	254 mm (10”)	191 mm (7”)	254 mm (10”)	185 mm (7”)
Weight:	210 g	420 g	215 g	405 g	201 g
Material:	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel
Page	300	300	300	300	301

ROGRIP Pliers

	ROGRIP S 10”	ROGRIP XL
		
Working range:	Ø 43 mm (1.1/4”)	Ø 102 mm (3.1/2”)
Length:	254 mm (7”)	440 mm (16”)
Weight:	410 g	1.4 kg
Material:	Chrome Vanadium Steel	Chrome Vanadium Steel
Page	301	301

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	302	302	302

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	303	303	303

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	305	305

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	305	305	305	305	305

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	305	305

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	305	305	305

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	305	305

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	306	306	306

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	306	306	306	306	306

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	306	306	306	306	306

One-Handed Pipe Wrench „ALUDUR"

	ALUDUR 24"	ALUDUR 36"	ALUDUR 48"	ALUDUR 60"
				
Working range:	Ø 89 mm (3")	Ø 141 mm (5")	Ø 168 mm (6")	Ø 200 mm (8")
Length:	600 mm (24")	900 mm (36")	1,200 mm (48")	1,300 mm (60")
Weight:	2.51 kg	5 kg	8.42 kg	14.6 kg
Material:	Aluminium	Aluminium	Aluminium	Aluminium
Page	306	306	306	306

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	**306**	**306**	**306**	**306**	**306**

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	**306**	**306**

ROCASE Case System

	ROCASE	ROBOX
		
Sizes:	4	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	**339**	**340**

PowerTools

RO DD60



- **Voltage:** 18 V
- **Max. torque soft:** 34 Nm
- **Max. torque hard:** 60 Nm
- **Drill-Ø Steel:** 13 mm
- **Drill-Ø Soft wood:** 38 mm
- **No-load speed:** 0 - 450 / 0 - 1,600 /min

323

RO ID400



- **Voltage:** 18 V
- **Max. torque.:** 400 Nm
- **Max. impact rate:** 4,250/min
- **Bit retainer:** Male square1/2” (12.7 mm)
- **Speed/torque levels:** 12

328

RO AG8000



- **Voltage:** 18 V
- **Grinding wheel Ø:** 125 mm
- **Idlefrequency:** 8,000 U/min

329

RO RH4000



- **Voltage:** 18 V
- **Max. single blow energy (EPTA):** 2.2 J
- **Max. impact rate:** 4,000 U/min.
- **Drill-Ø concret:** 24 mm
- **Bit retainer:** SDS-Plus

331

RO FL180



- **Max. lumin. flux:** 400 lm
- **Max. operation time per battery load** 18 V/2.0 Ah: 4.5 Std. 18 V/4.0 Ah: 9.1 Std.
- **Weight:** 0.46 kg
- **Luminous flux:** 410 lm

333

ROGRIP M

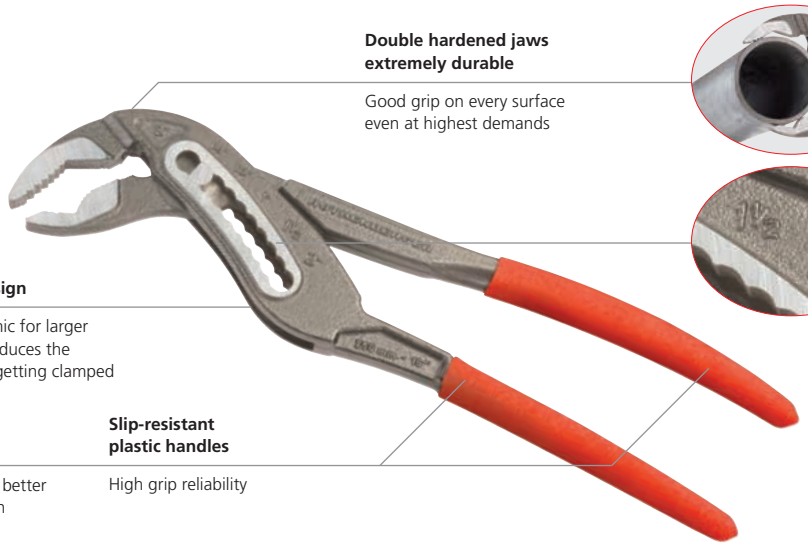
Quickly adjustable water pump plier

KEY FEATURES

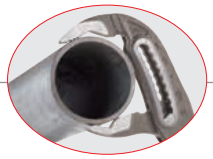
- 30% more gripping capacity*: 10" pliers up to 2" pipe diameters
- 3-point grip: reliable clamping and perfect grip up to the maximal pipe diameter
- Wide handles for more comfort and better power transmission
- 10 point size adjustments

TECHNICAL DATA

- **Chrome vanadium steel** tempered, drop forged with heavy-duty box joint
- **Polished head and joint**
- **Double hardened jaws**, extremely durable



Double hardened jaws extremely durable
Good grip on every surface even at highest demands



Large gripping width
Reliable grip and hold up to 2" pipe diameter



Integrated sizing scale
Comfortable and quick adjustment of the pipe diameter

ROTHENBERGER Curve-Shape-Design
Especially ergonomic for larger pipe diameters. Reduces the danger of fingers getting clamped

Wide handles
More comfort and better power transmission

Slip-resistant plastic handles
High grip reliability

Model	No.
ROGRIP M 7", Ø 1.1/4" / 43 mm	1000000215
ROGRIP M 10", Ø 2" / 60 mm	1000000216

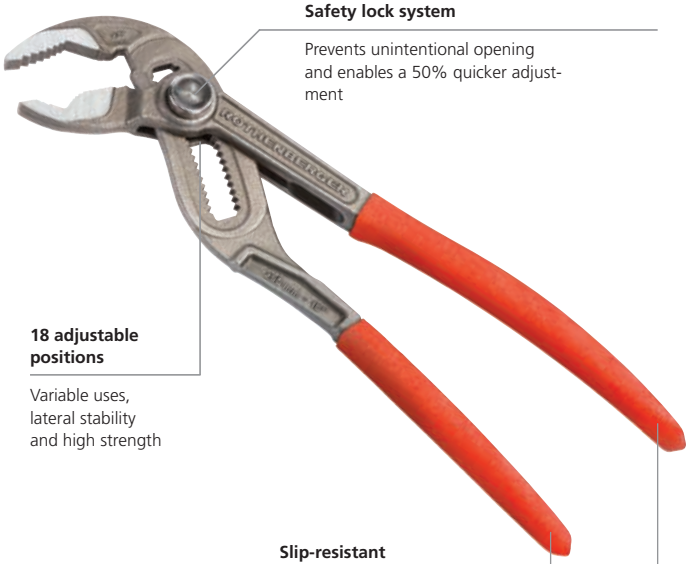
ROTHENBERGER Curve-Shape-Design – especially ergonomic!

ROGRIP F

Quickly adjustable automatic water pump plier

KEY FEATURES

- 30% more gripping capacity*: 10" pliers up to 2" pipe diameter
- 3-point grip: reliable clamping and perfect grip up to the maximal pipe diameter
- ROTHENBERGER Curve-Shape-Design: especially ergonomic for large pipe diameters. Reduces the danger of fingers getting clamped
- Wide handle for more comfort and better transmission of power
- Safety lock system: prevents unintentional opening and enables a 50% quicker adjustment
- 18 point size adjustments



Safety lock system
Prevents unintentional opening and enables a 50% quicker adjustment

18 adjustable positions
Variable uses, lateral stability and high strength

Wide handles
More comfort and better power transmission

Slip-resistant plastic handles
High grip reliability

Curve-Shape-Design: especially ergonomic



3-point grip over the middle for reliable clamping. Perfect grip on pipes up to Ø 2"



inch	mm	max. inch	max. mm	g			No.
7"	191	1.1/4"	43	215	1	6	1000000213
10"	254	2"	60	405	1	6	1000000214

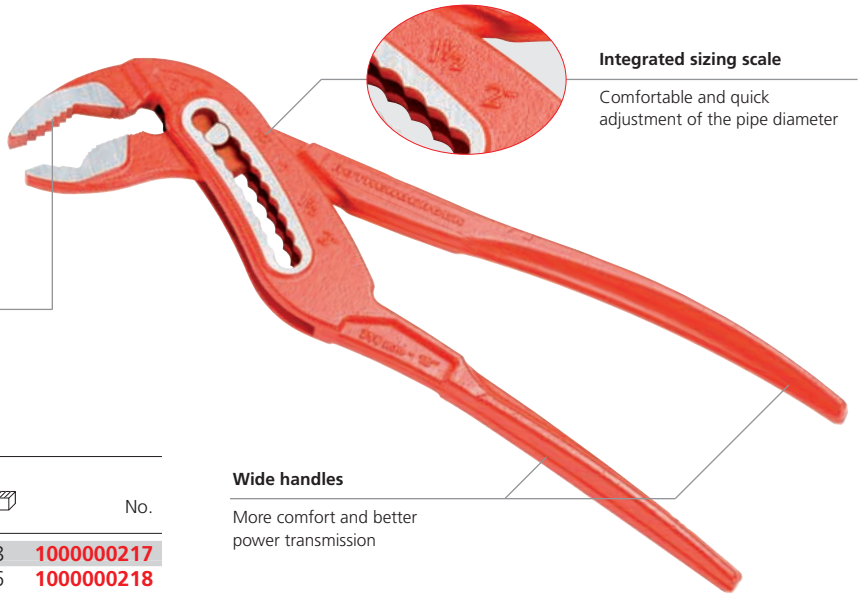
30% more gripping capacity!*

* than previous model

ROGRIP S

Quickly adjustable water pump plier

- Characteristics like ROGRIP M



Curve-Shape-Design: especially ergonomic with large pipe Ø



inch	mm	max. inch	max. mm	g			No.
7″	185	1.1/4″	43	201	1	8	1000000217
10″	254	2″	60	410	1	6	1000000218

ROGRIP XL

Quickly adjustable water pump plier

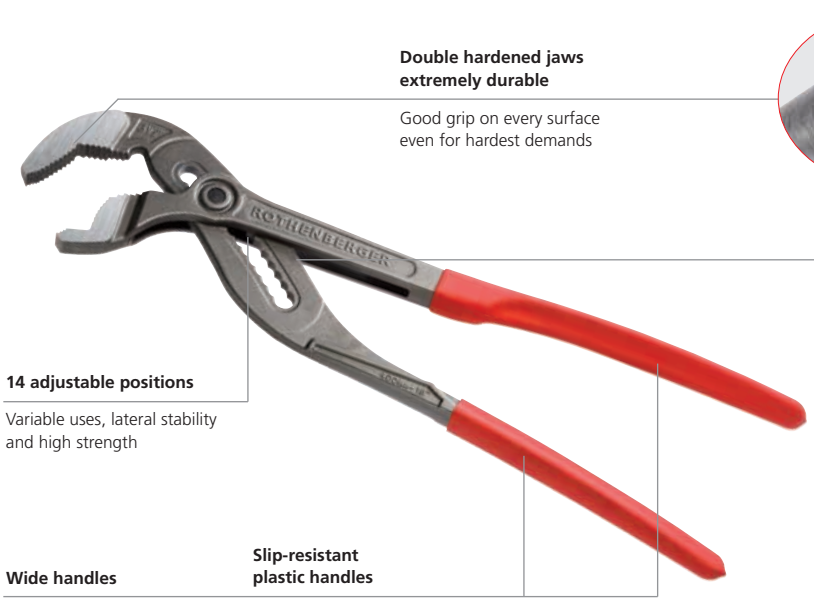
KEY FEATURES

- 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



ROTHENBERGER Curve-Shape-Design – especially ergonomic!

inch	mm	max. inch	max. mm	g			No.
16″	440	3.1/2″	102	1,400	1	1	1000000328

Curve-Shape-Design: especially ergonomic



3-point grip over the middle for reliable clamping. Perfect grip on pipes up to Ø 3.1/2″



Water Pump Pliers SP

Complies with DIN 5231 D, with heavy-duty box joint, chrome vanadium steel, drop forged, tempered, polished head and joint

Product Profile

KEY FEATURES

- Ideal for hard-to-reach places with the longer, thinner pliers head with measurements favourable for corners
- Optimum grip for reliable hold of pipes, flat objects, squared and hexagonal screws
- Long service life through induction hardened teeth
- Variable use: 7 size settings
- Non-slip even on smooth surfaces
- Safe use with the crush and pinch protection

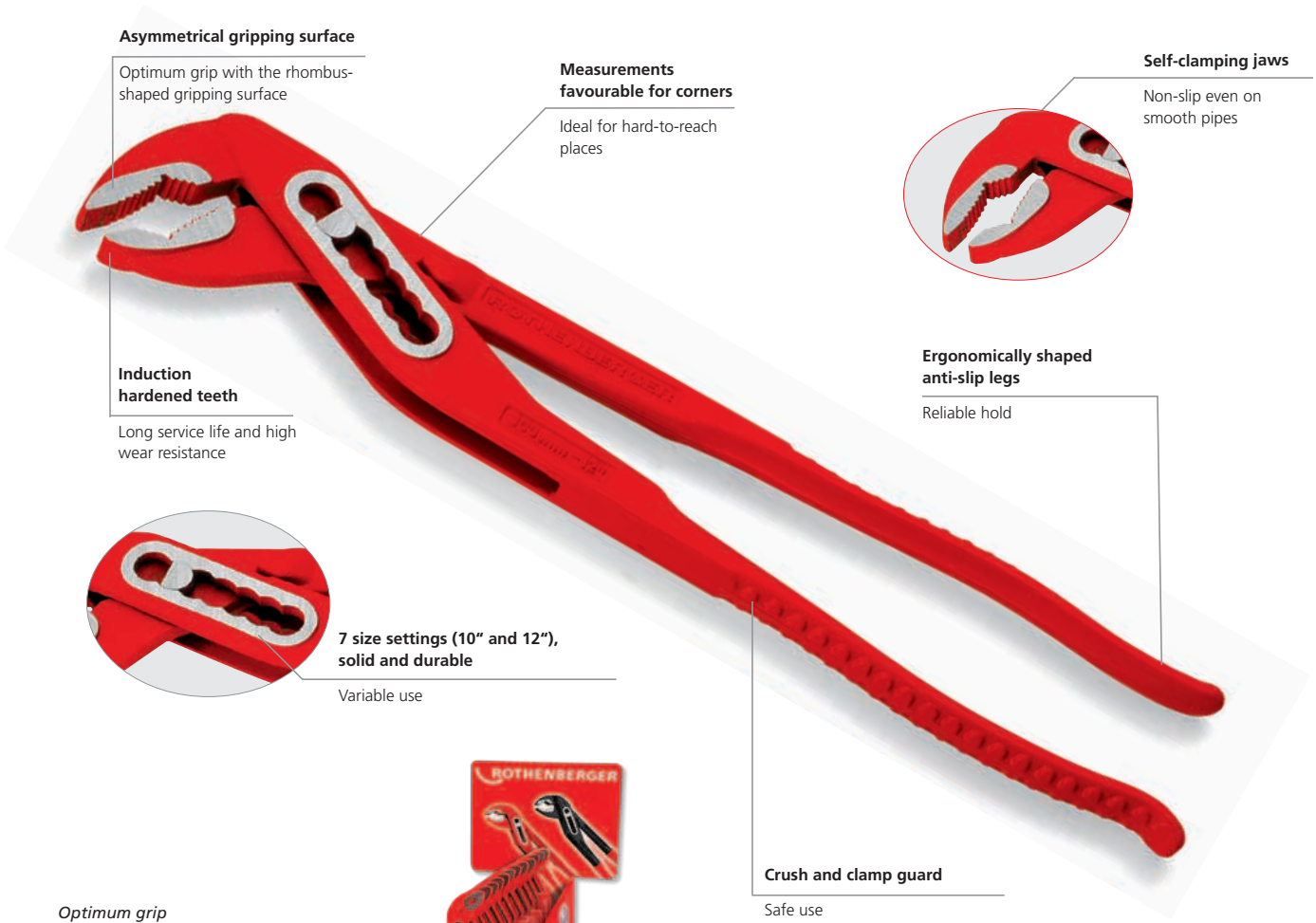
TECHNICAL DATA

Complies with DIN 5231 D
Heavy-duty box-joint
Abrasion-resistant surface protection with the epoxy-powder coating
Chrome vanadium steel
Drop forged, tempered
Polished head and joint

Asymmetrical gripping surface
Optimum grip with the rhombus-shaped gripping surface

Measurements favourable for corners
Ideal for hard-to-reach places

Self-clamping jaws
Non-slip even on smooth pipes



Induction hardened teeth
Long service life and high wear resistance

Ergonomically shaped anti-slip legs
Reliable hold

7 size settings (10" and 12"), solid and durable
Variable use

Crush and clamp guard
Safe use

Optimum grip





No. 070528D

inch	mm	max. inch	max. mm	g			No.
7"	175	1"	28	150	1	6	70527
10"	250	1.1/4"	32	290	1	6	70528
12"	300	1.1/2"	42	460	1	6	70529
10"	Counter display				1(12)		070528D



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″	28	165	1	6	70521
10″	250	1.1/4″	32	315	1	6	70522
12″	300	1.1/2″	42	475	1	6	70523
10″	Counter display				1 (12)		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	6	70591
12″	300	2″	60	560	6	70592
16″	420	4″	114	1,150	6	70593

Pliers Sets

ROBOX Plier Sets

Three-part Plier Sets for holding and turning of diverse types of pipes

Three-part Set (No. 1000002188) includes:
Corner Pipe Wrench 45°, SUPER S, 1" (No. 070122X), ROGRIP M 10" (No. 1000000216), ROGRIP M 7" (No. 1000000215), ROBOX B2650 (No. 1000002763)

Three-part Set (No. 1000002189) includes:
One Handed Pipe Wrench ALUDUR, 14" (No. 70160), ROGRIP M 10" (No. 1000000216), ROGRIP M 7" (No. 1000000215), ROBOX B2650 (No. 1000002763)

For the individual pliers see 300 - 304

Model		kg	No.
Plier Set w/ Corner Pipe Wrench, ROBOX (3 pcs.)	1	1.6	1000002188*
Plier Set w/ALUDUR, ROBOX (3 pcs.)	1	1.7	1000002189*

* ROBOX System p. 340

No. 1000002188



No. 1000002189

Professsional Sets

Practice-oriented set of pipe wrenches and pipe cutter

Three-part Set No. (070130X) includes: Pipe Wrench 1" (No. 070122X), Pipe Wrench 1.1/2" (No. 070123X), Pipe Wrench 2" (No. 070124X)

Four-part Set (No. 070135X) includes: Pipe Wrench 1" (No. 070122X), Pipe Wrench 1.1/2" (No. 070123X), Wapu 10" (No. 70528), TUBE CUTTER 35 (No. 70027)

Three-part Set (No. 070140X) includes: Pipe Wrench 1" (No. 070122X), Pipe Wrench 1.1/2" (No. 070123X), Wapu 10" (No. 70528)

Model	kg		No.
Set 1 - 1.1/2 - 2"	5.0	1	070130X
Set 2 - 1.1/2" + Wapu SP 10" + TC 35	3.1	1	070135X
Set 3 - 1.1/2" + Wapu SP 10"	2.7	1	070140X



No. 070130X



No. 070135X



No. 070140X

ROGRIP Plier Sets

The quickly adjustable water pump plier generation ROGRIP is available as practice-oriented sets in three different sizes

Two-part Set (No. 1000000626) includes:
ROGRIP S 7" (No. 1000000217),
ROGRIP S 10" (No.1000000218)

Two-part Set (No. 1000001039) includes:
ROGRIP M 7" (No. 1000000215),
ROGRIP M 10" (No. 1000000216)

Three-part Set (No. 1000001068) includes:
ROGRIP M 7" (No. 1000000215),
ROGRIP M 10" (No. 1000000216),
ROGRIP XL 16" (No. 1000000328)

Model		No.
ROGRIP Set S 7" + S 10"	1	1000000626
ROGRIP Set M 7" + M 10"	1	1000001039
ROGRIP Set M 7" + M 10"+ ROGRIP XL	1	1000001068



No.1000000626



No.1000001039



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	1	18	070121X
1″	34	12″	300	810	1	18	070122X
1.1/2″	48	16″	420	1,440	1	16	070123X

Inch	mm	Inch	mm	g			No.
2″	60	20″	540	2,440	1	10	070124X
3″	89	24″	640	3,400	1	6	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	1		070131X
1″	34	12″	300	740	1	6	070132X

Inch	mm	Inch	mm	g		No.
1.1/2″	48	16″	420	1,340	1	070133X
2″	60	20″	540	2,400	1	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	1	8	070110X
1.1/2″	48	16″	420	1,340	1	6	070111X
2″	60	20″	540	2,400	1	6	070112X

Inch	mm	Inch	mm	g			No.
3″	89	24″	640	3,400	1		70113
4″	114	36″	750	5,600	1		70114

One Handed Pipe Wrench "HEAVY DUTY"



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

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



Two-part Set (No. 1000002194) includes: One Handed Pipe Wrench HEAVY DUTY 6" (No. 70148), ROBOX B2350 (No. 1500002641)

Model	kg	No.
One Handed Pipe Wrench HEAVY DUTY 6", ROBOX	0.33	1000002194*

* ROBOX System p. 340

Inch	mm	Inch	mm	kg		No. pliers	No. hook	No. jaws
6"	160	3/4"	26	0.25	4	70148	70199	70189
8"	200	1"	32	0.40	4	70150	70200	70190
10"	250	1.1/2"	48	0.78	4	70151	70201	70191
12"	300	2"	60	1.25	4	70152	70202	70192
14"	350	2"	60	1.68	4	70153	70203	70193
18"	450	2.1/2"	73	2.67	2	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"



US-Norm GGG-W-651
Type I Class B

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



Inch	mm	Inch	mm	kg		No. pliers	No. hook	No. jaws
10"	250	1.1/2"	48	0.48	4	70159	70201	70191
14"	350	2"	60	0.99	4	70160	70203	70192
18"	450	2.1/2"	73	1.63	2	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	70158	70208	70198

One Handed Pipe Wrench "STILLSON"



US-Norm GGG-W-651
Type I Class B

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



Inch	mm	Inch	mm	kg			No. pliers	No. hook
8"	200	3/4"	27	0.28	1	4	70350	70374
10"	250	1"	34	0.59	1	4	70351	70375
12"	300	1.1/4"	43	0.72	1	4	70352	70376
14"	350	1.1/2"	48	1.04	1	4	70353	70377
18"	450	2"	60	1.74	1	2	70354	70378
24"	600	2.1/2"	73	3.08	1	1	70355	70379
36"	900	3.1/2"	102	5.69	1	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

Inch	mm	Inch	mm	kg		No. pliers	No. hook	No. jaws
10"	250	1.1/2"	48	750	4	70166	70201	70191
14"	350	2"	60	1,460	4	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

Inch	mm	Inch	mm	kg		No. pliers	No. hook	No. jaws
14"	350	2"	60	890	1	70115	70203	70192
18"	450	2.1/2"	73	1,490	1	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	Inch	mm	g			No.
4"	115	12"	300	780	1	4	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	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	70576

Model	kg	No.
Spare chain HEAVY DUTY 1.1/2"	0.80	70262
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

Pliers

Fittings Wrench 90°

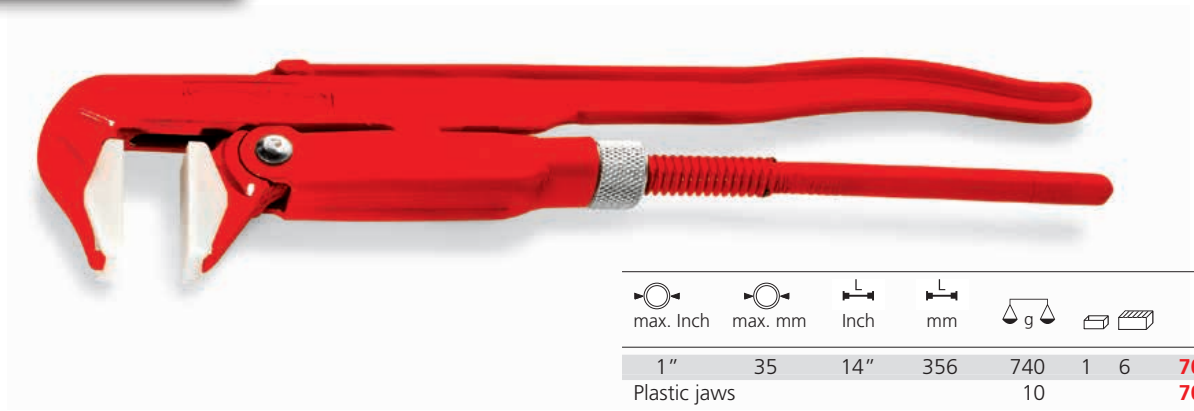
Special chrome vanadium steel, steel forged

KEY FEATURES

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



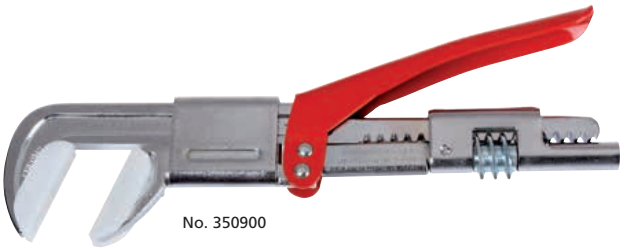
Plastic jaws, gentle grip!



max. Inch	max. mm	Inch	mm	g			No.
1″	35	14″	356	740	1	6	70545
Plastic jaws				10			70548

Fitting Key

Steel forged, burnished, smooth jaws for protection of fittings and delicate or polished surfaces



No. 350900



No. 350850

Model	mm	Clamping width and depth mm	mm	g	No.
Grid adjustment	260	75	45	690	350850
Roll adjustment	275	65	45	780	350900

SANIGRIP/SANIGRIP PL

Valve plier 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	mm	max. mm	min. mm	g	No.
SANIGRIP	10″	250	80	14	270	70415
SANIGRIP PL	10″	250	62	14	280	70416
Plastic jaws (pair) for SANIGRIP PL				10		

Sealing Grip Pliers



- Chrome vanadium steel, nickel-plated, tempered, hardened jaws
- Ideal for climate, heating and sanitary installations
- For clamping thin-walled copper pipes Ø 4 - 16 mm and hoses
- With leverage and quick-release lever, adjustable and lockable



L Inch	L mm	Jaw width mm	g	No.
10″	250	4 - 16	490	70250

Pipe Welding Grip Pliers



Chrome vanadium steel, nickel-plated, hardened jaws

- For safe, central clamping of pipes and round material aligned during welding work
- Reliable 3-point support, for steel pipes up to Ø 3″
- U-shaped clamping jaws allow enough room for welding
- With leverage and quick-release lever, adjustable and lockable



L Inch	L mm	Jaw width mm	g	No.
11″	280	95	840	70257

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, tankconnectors 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	1	10	73297
UNI Stepped Key	120	1		73298
Gas Stepped Key	80	1		73280
1/2" ratchet	440	1		27180





Express Spanner

Chrome vanadium steel, drop forged, chrome-plated

Longer lever



No. 73299

KEY FEATURES

Express Spanner

- Ideal for hard-to-reach screws
- Quick installation of sink fittings and corner valves
- Hanger bolt M10, middle piece with internal screw thread
- Easy loosening of the hanger bolt with integrated ball seat
- When the internal hexagonal screw is loosened, the hanger bolt can be moved on the spanner axle (longer lever)

Ring Ratchet Express Spanner

- With the smallest of ratchet angles, fine-toothed, R/L switchable, 12-edged, flat offset



Ring Ratchet Express Spanner



No. 73293

Spanner width	for hanger bolts size	L mm	g	No.
Wrench size 10 x muzzle size 13	M 8	220	250	73290
Wrench size 17 x muzzle size 19	M10	220	250	73299
Wrench size 17 x muzzle size 19	M12	220	250	73291
Wrench size 19 x ring size 17	M10	260	390	73293

Bolt Driver

Bolt driver M6, M8, M10, M12 with 1/2" ratchet connector

KEY FEATURES

- Without damage to the screw thread, for express and hanger bolts
- Easy loosening of the screw with the integrated ball seat

Simple installation





4-part set (No. 26164) includes: Bolt Driver M6 (No. 26160), M8 (No. 26161), M10 (No. 26162), M12 (No. 26163), steel carrying case

Model	L mm	g	No.
Set M6 - M8 - M10 - M12		650	26164
Bolt driver M 6	35	70	26160
Bolt driver M 8	40	90	26161
Bolt driver M 10	45	100	26162
Bolt driver M 12	50	120	26163

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
- 3 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
- 3 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

ROFIX SANISET Profi

Installation tool



No. 73201



No. 73200



No. 73202

1 tool for 5 uses!

User-friendly combination set for installation of basins, toilets and drains

KEY FEATURES

- Bolt Driver Tool for M8 and M10 enables easy use in all positions
- Seat for the 9 mm and 13 mm extensions, as well as the RO-QUICK 2 adaptor with the Bolt Driver Tool
- Ease of use with the RO-QUICK 2 adaptor for the most common drains in bath tubs and basins





Set (No. 73200) includes: Bolt driver tool (No. 73201), RO-QUICK 2 adaptor (No. 73206), extension 9 mm (No. 73210), 13 mm (No. 73213), steel carrying case (No. 26410)

Set (No. 73202) like Set (No.73200), in addition extensions size 10, size 11, size 12 and size 14

Model	with extension mm	g	No.
ROFIX SANISET	9-13	900	73200
Bolt Driver tool			
M8 / M10	215	120	73201
ROFIX SANISET Profi	9-10-11-12-13-14	1,500	73202
RO-QUICK 2-Adaptor	90	40	73206
Special extension size SW 11	185	50	73208
Special extension size SW 10	185	50	73209
Special extension size SW 9	185	50	73210
Special extension size SW 12	185	50	73212
Special extension size SW 13	185	50	73213
Special extension size SW 14	185	50	73214

RO-QUICK

Valve key

Release valve holder and key for eccentric and standard valves



No. 70413



No. 70414



KEY FEATURES

- Quick and problem-free use by the installation of bathtubs, basins and sinks
- Can be used from the bottom up
- With 2 facing, spring mounted locking cams, as well as holder with T-handle
- Adaptor with star handle for showers, bathtubs (optional accessory)
- Torque-proof immediately on insertion

No damage to chrome-plated parts!

Model	L mm	g	No.
RO-QUICK Set			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)

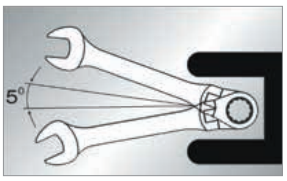
Small operating radius of only 5°!



Fig. ROCLICK wrench set



Small 5° operating radius



Adjustable inclination angle



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 pieces	1,150	1	12	70490

Torque Wrench Set

For proper tightening of flange connections

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

DIN -Norm



Fix with torque urgently necessary!

7 piece 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 pieces	3.5	175001

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

ROTURN

Combined ring / open-ended spanner

Chrome vanadium steel, polished and high shine chrome-plated

KEY FEATURES

- Loosening of up to 70% of damaged hexagonal screws with hexagonal open end and ridged profile
- Ergonomically optimised: Pressure on the flat side of spanner makes work easier



Protects the hand





8 part set (No. 70475) includes: ROTURN 10 - 11 - 13 - 14 - 16 - 17 - 19 - 22 mm, in plastic case

Model	kg			No.
ROTURN spanner set, 8 pieces	1.7	1	12	70475

ROCLICK Key

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.
ROCLICK Key	10	134	80	70420
ROCLICK Key	11	137	80	70419
ROCLICK Key	12	137	80	70421
ROCLICK Key	13	137	90	70422
ROCLICK Key	14	140	90	70423

Model	Key width mm	L mm	g	No.
ROCLICK Key	16	184	130	70424
ROCLICK Key	17	184	140	70425
ROCLICK Key	19	188	188	70426
ROCLICK Key	21	230	230	70427
ROCLICK Key	24	240	240	70418

Ring Spanner

Chrome vanadium steel, drop forged, chrome-plated



KEY FEATURES

- Ideal for hard-to-reach screws with the finely toothed R/L switchable ratchet
- 12-edged, flat offset, robust and indestructible

Model	L mm	g			No.
12 x 14 mm	230	200	1	36	70271
13 x 17 mm	250	280	1	36	70272
15 x 16 mm	260	320	1	36	70273

Model	L mm	g			No.
19 x 22 mm	310	440	1	36	70274
24 x 27 mm	360	700	1	36	70276
30 x 32 mm	410	990	1	36	70277

Adjustable Wrench

Chrome vanadium steel, drop forged, chrome-plated and polished

KEY FEATURES

- Precise operation: Smooth-running and robust roller with minimum play in the sliding guides



Size	L up to	Clamping width	g	No.
6″	160 mm	20 mm	100	70441
8″	210 mm	25 mm	220	70442
10″	250 mm	29 mm	390	70443
12″	300 mm	34 mm	660	70444
15″	380 mm	44 mm	1,170	70445

SWO Adjustable Wrench

Chrome-Vanadiumsteel, 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



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

One Handed Type R

The ideal multi-function spanner with ratchet function – for almost all bolt and nut applications up to a size of 42 mm (1.1/4")

KEY FEATURES

- Self-clamping even on smooth pipes, bolts, shafts and broken off head of hexagonal screws



L	L	Clamping width	Clamping width	g	No.
160 mm	6"	SW 9 - 17	1/8" - 3/8"	80	70220
200 mm	8"	SW 14 - 28	1/4" - 3/4"	200	70221

Enormous leverage!





L	L	Clamping width	Clamping width	g	No.
255 mm	10"	SW 16 - 33	3/8" - 1"	340	70222
310 mm	12"	SW 22 - 42	1/2" - 1.1/4"	520	70223

Double-End Box Wrench Set

Chrome vanadium steel, chrome-plated DIN 838

10-piece

6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 24x27, 30x32 mm

12-piece

6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 mm



Model	No.
Double-end box wrench set 10-piece	849064
Double-end box wrench set 12-piece	849065

Open-Ended Wrench Set

Chrome vanadium steel, chrome-plated DIN 3113

8-piece

8x8, 9x9, 10x10, 11x11, 13x13,14x14, 17x17, 19x19 mm



Model	No.
Open-ended wrench set 8-piece	849554

Double-end Box Wrench Set

Chrome vanadium steel, chrome-plated DIN 3110

10-piece

6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 24x27, 30x32

12-piece

6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32 mm



Model	No.
Double-end box wrench set 10-piece	849334
Double-end box wrench set 12-piece	849335
Double-end box wrench 10 x 11 mm	849293
Double-end box wrench 12 x 13 mm	849299

Model	No.
Double-end box wrench 16 x 17 mm	849306
Double-end box wrench 18 x 19 mm	849308

EUROLINE®

Screwdrivers

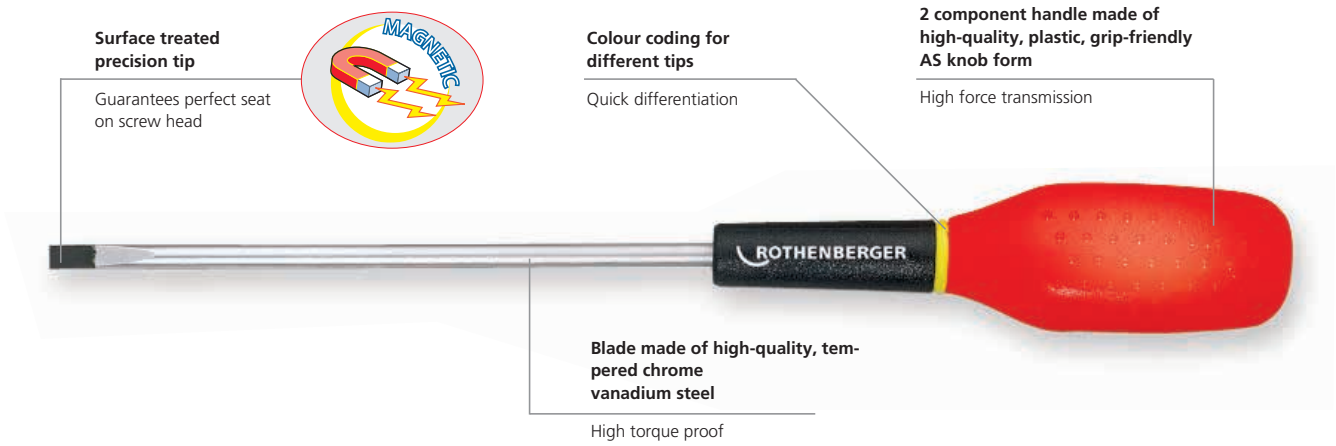
Product Profile

KEY FEATURES

- High force transmission with 2 component handle
- High torque
- Guarantees perfect seat on screw head
- Colour 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	4 x 100 mm
	PZ 1 x 100 mm	
	PZ 2 x 125 mm	
		PH 1 x 100 mm
		PH 2 x 125 mm

Phillips Screwdriver

Phillips



Tip design Width x Length mm	Model	g	No.
PH 1 x 100	Phillips	80	73152
PH 2 x 125	Phillips	98	73153

Pozidriv Screwdriver

Pozidriv



Tip design Width x Length mm	Model	g	No.
PZ 1 x 100	Pozidriv	80	73161
PZ 2 x 125	Pozidriv	98	73162

EUROLINE® IMPAKT

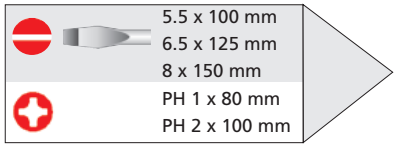
Screwdriver with continuous, strengthened blade

Product Profile

KEY FEATURES

- One-piece, strengthened blade with metal cap allows directed hammer blows, for example loosening stuck screws

Set (No. 73575) includes:





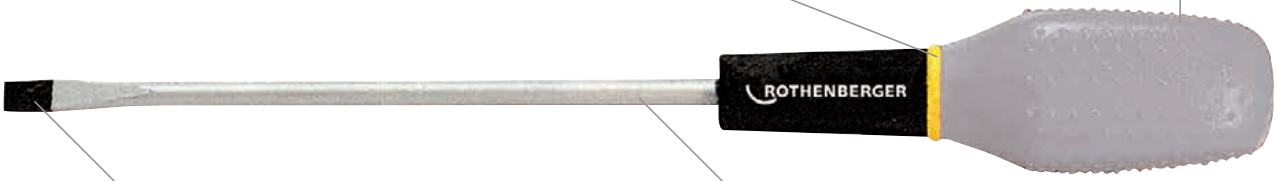
2 tools in 1!

Colour coding for different tips

Quick differentiation

Handle made of high-quality plastic, grip-friendly AS knob form

High force transmission



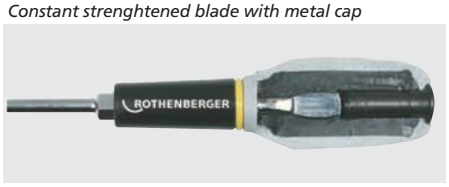
Surface treated precision tip

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-piece 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.
EUROLINE® IMPAKT-Set 5 pieces	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

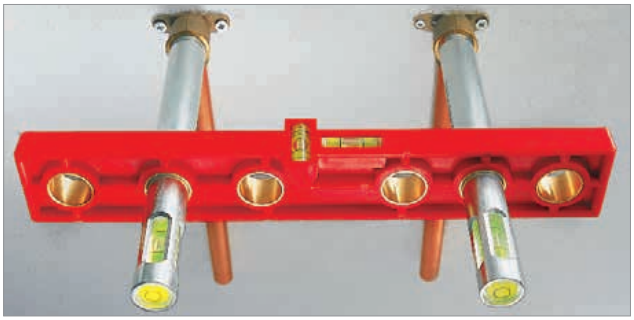
Accurate installations with installation gauge for fittings, with horizontal and vertical levels, unbreakable

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

RODOKIT Set

Tap reseating tool

For accurate reshaping of worn tap seats from leaky spigots

KEY FEATURES

- Smooth, precise and centred chip removal with the special cutter with three milling cams
- Cone adaptor with multi-trapezoidal thread for various valve threads





With rust-free steel cutter for high-quality armature!

Set (No. 70980) includes: Basic tool, thread adaptor size 1, 2, 3, 4, cone adaptor, cutter Ø 12-15-16-18 mm

Model	g	No.
RODOKIT Set	1,170	70980
RODOKIT Basic Tool	230	70981
Cone adaptor	100	70992

Dimensions	g	Cutter	Adaptor
12 mm	10	70982	70986
15 mm	10	70983	70987
16 mm	10	70984	70988
18 mm	10	70985	70989



Tap Reseating Tool

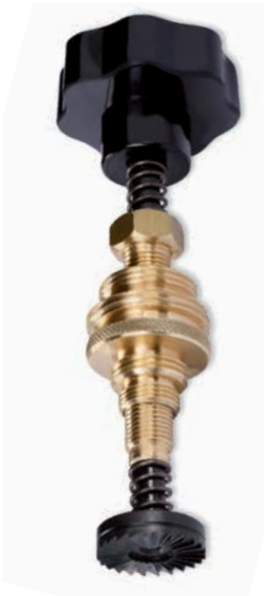
For exact re-cutting of worn tap seats from leaky spigots

Product Profile

KEY FEATURES

- Fast and simple use with exact re-cutting of worn tap seats
- Cylindrical stepped threaded adaptor that is suitable for all conventional fittings
- Adjustable cutting pressure using spring and regulating screw enable precise work
- Exchangeable cutter is always ready for use









Model	Inch	g	No.
Basic Tool with cutter 3/8″ - 1/2″ - 3/4″ - 1″ in Box	3/8″ - 1″	350	70970
Basic Tool with cutter 3/8″ - 1/2″ - 3/4″ - 1″ and each with 3 seals in steel compartment	3/8″ - 1″	980	70974
Basic Tool with cutter 1/4″ - 3/8″ - 1/2″ - 3/4″ - 1″ and each with 3 seals in steel box	1/4″ - 1″	1,060	70972
Basic Tool without cutter		250	70950
Water-tap valve seat cutter			70951
Spare cutter	1/4″	10	70976
Spare cutter	3/8″	10	70954
Spare cutter	1/2″	10	70955
Spare cutter	3/4″	20	70956
Spare cutter	1″	30	70957

Standard Spirit Level

Six-ring spirit level for applying 1% and 2% gradients!

10 year warranty!



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.
ROMATIC Flexible ruler	5	19	230	77397
Folding rule, wooden	2		100	252100

Basin Nut Wrench

Special chrome vanadium steel, drop forged, very tough

ROTHENBERGER DURAMANT TECHNOLOGY

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.
10 - 32	3/8" - 1.1/4"	235	475	1	40	70228

Telescopic Basin Nut Wrench

Chrome-plated, with pivoted reversible jaw for right and left-handed rotation



Telescopic attachment, 4x 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 Wrench

Special chrome vanadium steel, drop forged, coated with adjustment screw



Model	L mm	g	No.
Basin Nut Wrench	270	580	351050

Sheet Metal Crimping Pliers

Self-opening, PVC coated handles

- For joining of sheets up to 1 mm thick using ripple on pipe end
- Exact and quick adjustment



L Inch	L mm	Sheet thickness mm	g	No.
10″	250	1.0	450	71095

ROBOLT Bolt Cutter

Effortless cutting of construction steel up to 1300 N/mm² (HRC 40), gate steel, concrete steel types I, II, III, IV, pre-stressed concrete steel and steel wire



L mm	L Inch	Cutting performance Ø mm 490 N/mm²	1300 N/mm²	kg	No. Robolt	No. head
300	12″	5 mm - 3/16″	4 mm - 5/32″	0.75	75010	75020
350	14″	7 mm - 1/4″	5 mm - 3/16″	0.98	75011	75021
450	18″	8 mm - 5/16″	6 mm - 1/4″	1.60	75012	75022
600	24″	10 mm - 3/8″	8 mm - 5/10″	2.63	75013	75023
750	30″	13 mm - 1/2″	9 mm - 11/32″	4.00	75014	75024
900	36″	16 mm - 5/8″	10 mm - 3/8″	6.24	75015	75025
1.050	42″	19 mm - 3/4″	11 mm - 7/16″	9.39	75016	75026

Tower Pincers / Concreter's Nippers

Special forged steel, slim head, polished, long plastic covered handles



L Inch	L mm	Clamping width mm	g		No.
9″	225	22	330	6	70118
10″	250	26	440	6	70119

Universal Grip Wrench

Nickel-plated, forged chrome vanadium steel. Firm grip of profiles and flat materials. With lever gear and quick-release lever, adjustable and lockable



L Inch	L mm	Clamping width mm	g	No.
10″	250	32	570	70252

Combination Pliers

DIN -Norm
VDE approved

For hard and soft wire, special tool steel, oil hardened, special slim form, chrome-plated head, zero-play joint and heavily insulated handles



mm	Model	g	No.
180	DIN 5244	250	324559

Edge Cutter

DIN -Norm
VDE approved

For hard and soft wire, special tool steel, oil hardened, Swedish style, chrome-plated head, zero-play joint with heavily insulated handles



mm	Model	g	No.
160	DIN 5238B	210	324577

Insulation Stripper

VDE approved

Special tool steel, oil hardened, chrome-plated, zero-play joint, heavily insulated handles, with adjustment screw and opening spring



mm	max. mm	g	No.
165	5	160	324800

Power Edge Cutter

DIN -Norm
VDE approved

For piano wire, hard and soft wire, powerful, special tool steel, oil hardened, chrome-plated head, zero-play joint, with heavily insulated handles



mm	Model	g	No.
180	DIN 5238A	250	324588

Long Nose Pliers, straight

DIN -Norm
VDE approved

With cutting edge for hard and soft wire, flat oval jaws, tapered off, special tool steel, oil hardened, chrome-plated head, zero-play joint with heavily insulated handles



mm	Model	g	No.
200	DIN 5236A	200	324737

Long Nose Pliers, angled

DIN -Norm
VDE approved

With cutting edge for hard and soft wire, flat oval jaws, tapered off, special tool steel, oil hardened, chrome-plated head, zero-play joint with heavily insulated handles



mm	Model	g	No.
200	DIN 5236D	200	324739

Allen Key with Cross Handle

Blade made of chrome vanadium special steel, shiny nickel-plated, shock-resistant handle



Key width SW mm	Blade length mm	g	No.
3	200	30	321523
4	200	40	321524
5	200	80	321525
6	200	100	321526
8	200	130	321528
10	200	220	321529
12	200	290	321530

Allen Key Set

DIN -Norm

CV steel 50Cr-V4, achromatised, hardness and torque in compliance **with DIN 911**



No. 321300



No. 70301/70302

Model	Size mm / Inch	g	No.
Clip holder	2.5 - 3-4 - 5 - 6 - 8 - 10 mm	340	70301
Clip holder	3/32 - 1/8 - 5/32 - 3/16 - 1/4 - 5/16 - 3/8"	340	70302
Ring	2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm	250	321300

RO DD60 Cordless Drill Driver

The RO DD60 can be used as drill and screwdriver

RO SERVICE+ [1] | AKKU 4 ALL 18V | RO CASE

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

Spindle with hexagonal recess
For screwdriver bits for working without chuck

Extremely powerful
4-pole motor for fast drilling and screwdriving



Quick change chuck
Quick change chuck for flexible work

Belt hook
Can be fixed either on the right or left side

LED-Light
Integrated working light to illuminate the contact area

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.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	1	1000002035
RO DD60 Drill Driver set EU	1	1000001647

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

Drill Bits

ROBIT PRO

32 pieces



Set (No. 1500002453) includes: 30-Bit: 1/4" x 25 mm, PH: 1, 2, 2, 3 mm, PZ: 1, 2, 2, 3 mm, FD: 3, 4, 5, 6 mm, HW: 3, 4, 5, 6 mm, TX: 10, 15, 20, 25, 27, 30, 40 mm, TTX: 10, 15, 20, 25, 27, 30, 40 mm, Quick Release Magnetic Bit Holder

KEY FEATURES

- Extensive Bit Set as perfect equipment for professional craftsmen
- High-quality material for heavy usage
- Adjustable belt-clip

Model	No.
ROBIT PRO 32 pcs.	1500002453

ROBIT PRO Torsion

15 pieces



Set (No. 1500002454) includes: 14-Bit: 1/4" x 25 mm, PH: 1,2 mm, PZ: 1,2 mm, FD: 4,6 mm, HEX: 3,4,5 mm, TX: 10,15,20,25,30 mm, Quick Release Magnetic Bit Holder

KEY FEATURES

- For extrem usage
- Suitable for an impact wrench
- Special alloy for maximum life time

Model	No.
ROBIT PRO Torsion Bit Set 15 pcs.	1500002454

PROFI PLUS

Twist drill set DIN 338 Type N

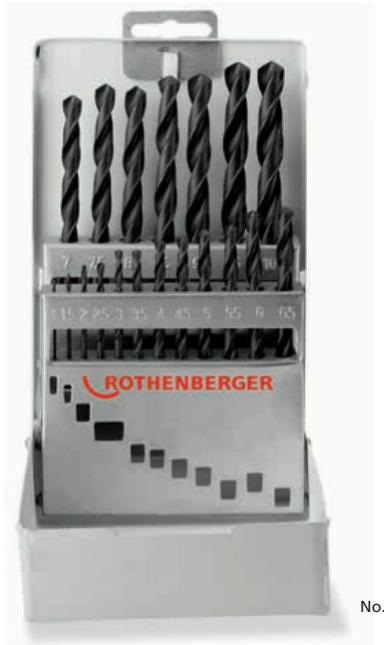
HSS rolled, all drill diameters in 0.5 mm diameter steps

DIN -Norm



No. 816990

Model	Drill range mm	Drill quantity	g	No.
In STEELBOX	1.0 - 10.0	19 pcs.	710	817000
In STEELBOX	1.0 - 13.0	25 pcs.	1,400	817003
In ROUNDBOX	1.0 - 10.0	19 pcs.	465	816990



No. 817000

mm	No.
1.0	817012
1.5	817017
2.0	817022
3.0	817032
3.5	817037
4.0	817042
4.5	817047
5.0	817052
5.5	817057
6.0	817062
6.5	817067

mm	No.
7.0	817072
7.5	817077
8.0	817082
9.0	817092
9.5	817097
10.0	817102
10.5	817104
11.0	817106
11.5	817108
12.0	817110

Screw Extraction Sets

For boring out broken screws or bolts for threads M 5 - M 16

INSTRUCTIONS FOR USE

1. Apply bore with guide bush and the appropriate, ground HSS drill bit. Pre-bore for screws 7 mm diameter and above
2. Insert boring stud (no deformation of the drilled workpiece)
3. Attach boring nut and turn with spanner, do not tilt
4. Use special guide bushes for sunken or protruding rupture points







Instructions for screw extraction

For rough-running threads, spray on solution or apply heat. Boring studs are made of high-quality material, therefore they do not twist or heat up.

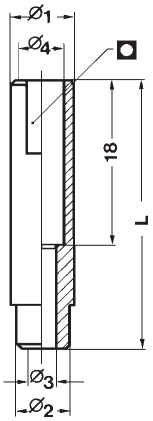


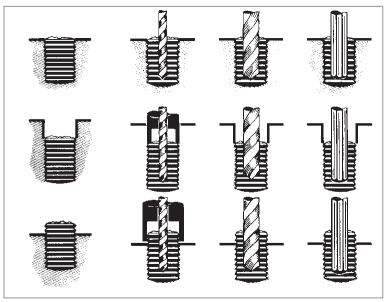
Fig. Screw Extraction Set, 25 pieces

Screw Extraction Sets

Packaged in handy plastic box with spiral drills, guide bushes, boring studs and boring nuts

Set	Set contains complete for	Quantity piece	g	No.
Size 1	M 5 - M 12	21 pcs.	450	71310
Size 2	M 5 - M 16	25 pcs.	580	71311





For thread	Guide bush size	Guide bush No.	mm	Pre-boring-No.	mm	Boring No.	Boring stud Gr.	mm	Boring stud No.	Boring nut hex for size	Boring nut No.
M 5	Size 1	71291			3.2	71301	Size 1	3.2	R7128100	Size 1 / SW 10	71286
M 6	Size 2	71292			3.2	71301	Size 2	4.8	R7128200	Size 1 / SW 10	71286
M 7	Size 3	71293	3.2	71301	4.8	71302	Size 3	6.4	R7128300	Size 2 / SW 11	71287
M 8	Size 4	71294	3.2	71301	4.8	71302	Size 4	8.0	R7128400	Size 2 / SW 11	71287
M 9	Size 5	71295	4.8	71302	6.4	71303	Size 5	8.7	R7128500	Size 3 / SW 13	71288
M 10	Size 6	71296	4.8	71302	6.4	71303				Size 3 / SW 13	71288
M 12	Size 7	71297	4.8	71302	8.0	71304				Size 4 / SW 14	71289
M 14	Size 8	71298	6.4	71303	8.7	71305				Size 5 / SW 17	71290
M 15	Size 9	71299	6.4	71303	8.7	71305				Size 5 / SW 17	71290
M 16	Size 10	71300	6.4	71303	8.7	71305				Size 5 / SW 17	71290

Toolkit Sets

For versatile applications in installation and maintenance

Set (No. 1000002180) includes: 1x thin type lever ratchet handle with 72-teeth gear, 2x extension bars 50mm & 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. 1000002183) includes: 1x thin type lever ratchet handle with 72-teeth gear, 19x sockets: 8–9–10–11–12–13–14–15–16–17–18–19–20–21–22–24–27–30–32 mm, 5x deep sockets: 10–12–13–17–19mm, 1x universal joint, 2x extension bars: 125–250mm, 1x sliding T-head 1/2" - 3/8", 9x L-Type Hex Key Wrenches: 1,5–2–2,5–3–4–5–6–8–10 mm in softfoam and Tray

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, 6x Hex Bit (H) 2–2.5–3–4–5–6, 3x Tri wing Bit 1–2–3, 5-Ribe Bit (RM) 5–6–7–8–9, 9-Pentalobe Bit 7–10–15–20–25–27–30–40–45, 3-Spline Bit (M) 5–6–8, 6-Hex Bit SAE (H) 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 4x Torq Bit 4–6–8–10, 4x Spanner Bit 4–6–8-10, in Softfoam and ROBOX B2350 (No. 1000002641)

Set (No. 1000002182) includes: 10x Bits 90mm: 2x Phillips: 1–2, 2x Pozi: 1–2, 6x Torx: 10–15–20–25–30–40 with colour ring in Softfoam and ROBOX B2350 (No. 1500002641)



Model	No.
17 pcs. Socket Set 1/4", ROBOX 5	1000002180*
38 pcs. Socket and Hexagonal Key Set 1/2", Tray 5	1000002183*
53 pcs. Special Application Bit Set 1/4", ROBOX 5	1000002181*
10 pcs. Colour Ring Bit Set 1/4", ROBOX 5	1000002182*

* ROBOX System p. 340

UNIDRILL®

HSS sheet metal cone bit

Step-less and burr-free drilling of holes without deformation, suitable for even the thinnest of sheets, no pre-drilling, can be re-polished, with spot drilling tip for size 3 and above



Burr-free drilling



3-piece set (No. 21545) includes: Sheet metal cone bit size 1 (No. 21541), size 2 (No. 21542) and size 3 (No. 21543),in plastic cartridge

Size	mm	g	No.
UNIDRILL Set with drill paste	3.0 - 30.5	380	21545
EVERCOOL drill paste, 50 g		80	21549

HSS Bimetal Hole Saws

Suitable for carbon steel (up to 700 N/mm² strength), non-ferrous and light metals, plastics, plaster, light construction, fibre, plywood and wood processing

Sets include: Hole Saw Set in plastic case, adaptor holder A1 (No. 114161) and A2 (No. 114162) with center drill, plastic case

Hole Saw Sets	kg	No.
19 - 22 - 29 - 38 - 44 - 57 mm	1.27	114201
19 - 22 - 29 - 35 - 38 - 44 - 51 - 57 - 64 mm	1.70	114202



No. 114201



No. 114161



No. 114162



No. 114171



Adaptor Holder

For HSS Bimetal hole saws with center drill

Type	for Hole saw	Adaptor	g	No.
A1	up to 30 mm	12 mm - 6-hex	75	114161
A2	32 up to 152 mm	12 mm - 6-hex	230	114162
Spare center drill, HSS		6.35 mm	20	114171
Extension 300 mm				114175

HSS Bimetal Hole Saws

mm	for use with holder	No.
14	A1	114014
16	A1	114016
17	A1	114017
19	A1	114019
22	A1	114022
25	A1	114025
28	A1	114028
29	A1	114029
30	A1	114030
32	A2	114032
33	A2	114033
35	A2	114035
36	A2	114036
37	A2	114037
38	A2	114038
40	A2	114040
41	A2	114041
43	A2	114043
44	A2	114044
46	A2	114046

mm	for use with holder	No.
51	A2	114051
52	A2	114052
54	A2	114054
57	A2	114057
60	A2	114060
65	A2	114065
64	A2	114064
67	A2	114067
70	A2	114070
79	A2	114079
83	A2	114083
89	A2	114089
92	A2	114092
98	A2	114098
102	A2	114102
105	A2	114105
111	A2	114111
114	A2	114114
127	A2	114127

UNICUT HM

Carbide-tipped hole saws for cutting circular holes Ø 16 - 140 mm (5/8 - 5.1/2") without impact

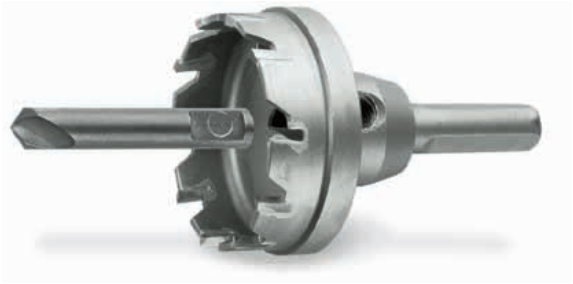
Product Profile

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. UNICUT HM hole saw set





Set (No. 21300) includes: Hard metal hole saws, cutting spray 50 ml 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 6 mm		21394
Spare centering pin HSS 8 mm		21395

mm	Inch	g	No.
16	5/8"	100	21316
17		110	21317
18		110	21318
19	3/4"	120	21319
20		120	21320
21		120	21321
22	7/8"	120	21322
23		140	21323
24		140	21324
25	1"	120	21325
26		130	21326
27		130	21327
29		140	21329

mm	Inch	g	No.
30		140	21330
31		180	21331
32	1.1/4"	180	21332
33		180	21333
34		180	21334
35	1.3/8"	190	21335
36		190	21336
37		190	21337
39		190	21339
40		200	21340
41	1.5/8"	200	21341
42		200	21342
43		210	21343

mm	Inch	g	No.
44		210	21344
45	~1.3/4"	210	21345
46		210	21346
47		210	21347
48	~1.7/8"	220	21348
49		230	21349
50		250	21350
51	2"	260	21351
52		270	21352
53		270	21353
54	2.1/8"	280	21354
55		280	21355
60	2.3/8"	360	21360

mm	Inch	g	No.
65	2.5/8"	390	21365
70	2.3/4"	390	21370
75	3"	400	21375
80	~3.1/8"	420	21380
85	~3.3/8"	450	21385
90	~3.9/16"	550	21386
95	3.3/4"	580	21387
100	4"	590	21388
110	4.3/8"	700	21389
120	4.3/4"	830	21390
130	5.1/8"	880	21391
140	5.1/2"	880	21392

HM-Stone Drill

High-performance drill made with carbide



mm	No.
4	112040
5	112042
6	112044
7	112046
8	112047

mm	No.
9	112049
10	112050
12	112052
13	112053
14	112054

UNIDRILL®

HSS stepped drill bit

In one step, sheets can be centred, spot drilled, drilled and deburred





3-piece set (No. 21313) includes: Stepped drill bit size 1 (No. 21305), size 2 (No. 21306) and size 3 (No. 21307), in steel case

No. 21313

Model	mm	g	No.
UNIDRILL stepped drill bit set, 3 pieces	4.0 - 30.0	660	21313

Size	mm	L mm	Shaft mm	g	No.
1	4 - 12	65	6	22	21305
3	4 - 30	100	10	185	21307

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

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



Unique brushless motor

for quick work progress and highest efficiency for any application



No. 1000001949

Bit holder

Can be fixed either on the right or left side

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	1	1000002036
RO ID400 Impact Wrench set EU	1	1000001648

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

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
Idlefrequency:	8,000 / min^{-1}
Grinding wheel Ø:	125 mm
Spindle thread:	M14



Set (No.1000001649) includes: RO AG8000 Angle Grinder, RO BP18/4 4.0 Ah battery (No. 1000001653), RO BC14/36 charger EU (No. 1000001654), Guard, Quick-locking nut, Side handle, Dust filter, ROCASE 4414 anthracite (No. 1000001947)

Model		No.
RO AG8000 Angle Grinder w/o battery + charger	1	1000002037
RO AG8000 Angle Grinder Set EU	1	1000001649



No. 1300003338

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

Cutting Disc Assortment

For burr-fee 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 Safe Cut (115 x 2 / 1 x 22)	071551D	●	●	●	●●	●●	●●	●●	●●	●	●	●	●
Cutting Disc INOX Safe Cut (125 x 2 / 1 x 22)	071552D	●	●	●	●●	●●	●●	●●	●●	●	●	●	●
Cutting Disc INOX 2 in 1 (115 x 2,5 x 22)	071553D	●	●	●	●●	●	●●	●●	●●	●●	○	○	○
Cutting Disc INOX 2 in 1 (125 x 2,5 x 22)	071554D	●	●	●	●●	●	●●	●●	●●	●●	○	○	○

●● = 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	115 x 1.0 x 22	350	1(10)	25	071533D
PROFI PLUS-Box 125	125 x 1.0 x 22	450	1(10)	25	071534D

SAFE CUT

Cut-off disc for steel and stainless steel

- One-of-a-kind conical form that prevents the cut-off wheel from getting jammed in the workpiece and avoids the dangerous **"Kick-Back"-Effect**
- The profiles tapers from a 2 mm outside thickness to 1 mm on the inside, thus the cutting behaviour is optimised
- Comfortable, simple cutting with absolute peace-of-mind



Model	Dimensions mm	g		No.
SAFE CUT box 115	115 x 2/1 x 22	350	1(10)	071551D
SAFE CUT box 125	125 x 2/1 x 22	450	1(10)	071552D

2 in 1

Cut-off and grinding disc for steel and stainless steel

- Fast cutting and side grinding in one step
- For cutting at a comfortable speed
- Instant (without changing wheel) deburring, chamfering and grinding
- The lateral load is certified (CN 12413)



2 in 1!

Model	Dimensions mm	g		No.
2 in 1-Dose 115	115 x 2,5 x 22	550	1(10)	071553D
2 in 1-Dose 125	125 x 2,5 x 22	650	1(10)	071554D

Follow all manufacturers instructions

Don't rough down

Follow work safety measures

Do not use defective grinding/ cutting discs

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 retaine:	SDS-plus

Automatic safety clutch

Mechanical decoupling of the drive for save working, in case the drill driver stops unexpectedly



SDS Plus

Bit retaine

Variospeed (V) Electronics

For working at customised speeds to suit various application materials

LED-Light

Integrated working light to illuminate the contact area

Maximum power

Intelligent battery management with charge indicator to control the status of charge



No. 1000001949

Set (No.1000001649) 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	1	1000002038
RO RH4000 Rotary Hammer set EU	1	1000001650

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

SDS-Plus Hammer Drill



Model	Ø	No.
Hammer Drill SDS Plus	5 x 110 mm	111401
Hammer Drill SDS Plus	6 x 110 mm	111406
Hammer Drill SDS Plus	6 x 160 mm	111406
Hammer Drill SDS Plus	8 x 110 mm	111411
Hammer Drill SDS Plus	8 x 160 mm	111412
Hammer Drill SDS Plus	8 x 210 mm	111413
Hammer Drill SDS Plus	10 x 110 mm	111418
Hammer Drill SDS Plus	10 x 160 mm	111419
Hammer Drill SDS Plus	10 x 210 mm	111420
Hammer Drill SDS Plus	10 x 260 mm	111421
Hammer Drill SDS Plus	10 x 450 mm	111422
Hammer Drill SDS Plus	12 x 160 mm	111424
Hammer Drill SDS Plus	12 x 260 mm	111426
Hammer Drill SDS Plus	12 x 460/410 mm	111427
Hammer Drill SDS Plus	14 x 160 mm	111431

Model	Ø	No.
Hammer Drill SDS Plus	14 x 260 mm	111432
Hammer Drill SDS Plus	15 x 160 mm	111429
Hammer Drill SDS Plus	15 x 260 mm	111437
Hammer Drill SDS Plus	16 x 210 mm	111439
Hammer Drill SDS Plus	16 x 300 mm	111440
Hammer Drill SDS Plus	18 x 250 mm	111445
Hammer Drill SDS Plus	18 x 450/410 mm	111447
Hammer Drill SDS Plus	20 x 300 mm	111449
Hammer Drill SDS Plus	20 x 450 mm	111422
Hammer Drill SDS Plus	22 x 450 mm	111452
Hammer Drill SDS Plus	24 x 460/410 mm	111454
Hammer Drill SDS Plus	25 x 450 mm	111455
Hammer Drill SDS Plus	28 x 450 mm	111456

Chisel

High-quality, fully coated stell chisels with high life time. The construction and cutting edge geometry enable a heavy stock removal



No. 1500002828



No. 1500002827



No. 1500002826



No. 1500002825



No. 1500002824

Set (No. 1500002829) includes: Flat chisel SDS-plus (No. 1500002825), Sharp chisel SDS-plus(No. 1500002826), Tile chisel SDS-plus, 40 mm (No. 1500002828), ROBOX B2650 (No. 1000002763)

Model	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 inkl. ROBOX*		1500002829

*ROBOX System p. 340

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



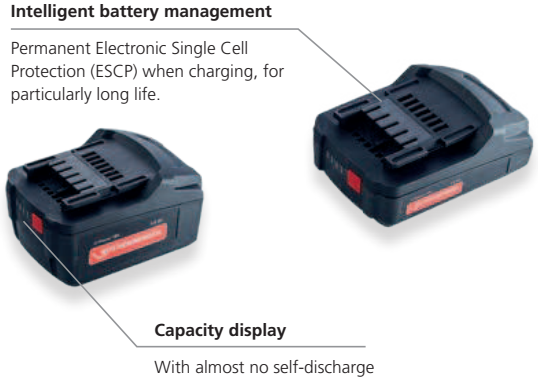
Set (No.1000001651) includes: RO FL180 LED Lamp, RO BP18/2 2.0 Ah battery (No. 1000001652), RO BC14/36 charger EU (No. 1000001654), ROCASE 4212 anthracite



Model		No.
RO FL180 LED Lamp w/o and battery + charger	1	1000001734
RO FL180 LED Lamp set EU	1	1000001651

ROTHENBERGER Battery Platform Accessories





Model		No.
RO BP18 / 2 - 18V / 2.0 Ah - battery	1	1000001652
RO BP18 / 4 - 18V / 4.0 Ah - battery	1	1000001653
RO BC14 / 36 - charger EU	1	1000001654

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

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
400	590	322824
500	670	322825

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



No. 77072



No. 25811

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
Mason Chisel, pointed	300	16	–	455	545	77090
Slotted Chisel	235	26 x 7	26	245		25811

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. 70705X) 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
  without integrated chain vice
- Bending of pipes Ø 3/8" - 1/2" - 3/4"
  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 with chain vice	16.0	70752
Tripod universal workbench without 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 / Teflon Sealing Tape


No. 70623


No. 855360

Model		No.
Roll 40 g / 40 m	1	70623
12 m on plastic bobbin	1	855360

All-purpose Marker

Writes on tile and glass



Carpenter Pencil



Model		No.
All-purpose Marker	1	856911
Carpenter pencil	1	856907

Cutter Knife



Model		No.
Cutter knife incl. 4 blades, 18mm	1	1500000087
Blades for cutter knife (10 pcs.)	1	1500001299

Trendy Tool Bag

- Lots of storage room for all your tools


Volume: ca. 42 l

Tool Bag

- Offers a lot of pockets and tool holders with a waterproof plastic bottom


Volume: ca. 30 l

Model		No.
Trendy Tool Bag (380 x 300 x 370 mm)	1	402311
Tool Bag (450 x 285 x 335 mm)	1	1500001320

Tool Bag, small

- Offers a lot of pockets and tool holders with a waterproof plastic bottom


Volume: ca. 15 l

Heavy Duty

- Especially stable with the stable plastic bottom


Volume: ca. 30 l

Model		No.
Tool Bag, small (280 x 360 x 230 mm)	1	1500002182
Heavy Duty Tool Bag (620 x 250 x 350 mm)	1	402317

Tool Box Apprentice

- Lots of storage room for all your tools



Belt Bag

- Very light, handy bag for the most important tools
- Keeps the tools organized and easy to grab when needed


Volume: ca. 2.5 l

Model		No.
Tool Box Apprentice	1	402312
Belt Bag (250 x 120 x 310 mm)	1	1500001460
Belt for Belt Bag	1	1500001461

Trendy Shoulder-toolbox

- Very light, handy bag for the most important tools


Volume: ca. 11 l

Tool Roll Cover

- Ideal for hand tools with straps and flaps inside the roll cove



Model		No.
Trendy Shouldertoolbox (250 x 220 x 140 mm)	1	402308
Tool roll cover (730 x 300 mm)	1	1500001468

Service Case, 67 parts

High-quality hard protective service case with all round edge protection, solid and hardened aluminium frame and ergonomic handle

- 2 tool boards with 4 sides for adding tools
- 1 bottom case for modular arrangement
- 1 document case in cover
- Dimension: 470 x 200 x 360 mml

Tested in continuous operation up to 25 kg



Set (No. 1000000430) includes: Bricklayer's Chisel, Hole Punch (32 mm), One-handed Pipe Wrench STILLSON (14"), corner pipe wrench Super "S" (1"), Adjustable Wrench (10", with up to 29 mm), Ratchet Spanner open (ROCKLICK, 13 mm and 17 mm), ROGRIP "S" (7", 10"), ROCUT TC 42 (6 - 42 mm), carpenter pencil (graphite, 240 mm), wooden ruler (2 m), Cutter Knife, measuring tape ROMATIC (3 m), aluminium spirit level (400 mm), Screwdriver Set EUROLINE (2 x PH, 4 x Slot), Basin Nut Wrench (3/8 - 1"), Express Spanner (M10, with 17 x 19), MINICUT I Pro (3 - 16mm), TUBE CUTTER 35 DURAMAG (6 - 35 mm), Saw Bow ROBO Super (SW 300), 10x Hand saw blade BI-METAL HSSE 4 Plus (300 mm), Hammer with hickory wooden handle (300 g), Ratchet 1/2", R/L, Uni small saw, PUK, adjustable, with blade (190 / 310 mm), 12x Saw Blade for PUK saw (metal, 150 mm / 32Zp), Allen Key Set, fold-up (7 pcs., 2.5 - 10 mm), PLASTICUT PVC (50 mm), Basin Nut Wrench (10 - 32 mm), Tap Extension Key (SW 12 x 17), Combination Pliers (180 mm), scraper (40 mm), Edge Cutter (160 mm), Combination Spanner Set (8 - 22, 8 pcs.), Service Case, dimensions: 470 x 200 x 360 mm

Model		No.
Service Case, 67 parts	1	1000000430

Apprentice Set, 50 parts

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), 10 x HSSE 4 PLUS saw blades, fitter's hammer (300 g), lump hammer (1250 g), PUK-hacksaw (290 mm) + 12 x saw blades, basin nut wrench, stone chisel (300 x 16 mm) flat, express spanner, UNI-stepped key + ratchet, EUROLINE screwdriver set (Phillips), chassis punch (32 mm round), Allen key set, 7 -piece, wooden ruler (2m), 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"), installer toolbox, dimensions: 530 x 200 x 200 mm

Model		No.
Apprentice set, 50 parts	1	19166

General Purpose Tools Set, 57 parts

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, 10 x Saw blade for PUK-Saw metal , Saw bow ROBO Super, 10 x saw blades BI-METALL HSSE 4 Plus , Express spanner (M10, SW 17 x 19), Screwdriver-Set EUROLINE (2 x PH, 4 x 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 M10", ROGRIP M7", ROCUT TC 42 (0-42mm), Double-end box wrench set (10 pcs., 6-32 mm), Tool Bag (450 x 285 x 335 mm)

Model		No.
General Purpose Tools Sets, 57 parts	1	1000001425

General Purpose Tools Set, 13 parts

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: Screwdriver Set EUROLINE, Water Pump Plier SP, 10", Water Pump Plier SP, 7", Professional cutter knife , MINI MAX Tube Cutter, 3-28mm, GRATFIX HSS with spare blade, Ring Ratchet Express Spanner, M10, 17x19, Sanitary Four Way Key multifunctional 3/8-1", Flexible ruler, wooden, 2m, Aluminum Spirit Level, Carpenter pencil, Safety glasses-UVEX, Tool bag 280x360x230mm

Model		No.
General Purpose Tools Sets, 13 parts	1	1000001745

ROCASE Case System

	ROCASE 4212	ROCASE 4414	ROCASE 6414	ROCASE 6427
	 No. 1300003334	 No. 1300003541	 No. 1300003336	 No. 1300003337
Outer dimension:	390 x 190 x 120 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	348 x 352 x 122 mm	548 x 352 x 122 mm	548 x 352 x 250 mm
Volume in l:	5.7 l	14.9 l	23.5 l	48.2 l
Weight:	0.63 kg	1.30 kg	1.89 kg	2.64 kg
Colour:	red, anthracite	red, anthracite	red	red
Quantity of inlays (currently changed):	7	14	6	1



Model		No.
ROCASE 4212 red, without inlay 39 x 19 x 12 cm	1	1300003334
ROCASE 4212 anthracite, without inlay, 39 x 19 x 12 cm	1	1300003649
ROCASE 4414 red, without inlay 39 x 39 x 12 cm	1	1300003541
ROCASE 4414 anthracite, without inlay, 39 x 39 x 14 cm	1	1300003338
ROCASE 6414 red, without inlay, 59 x 39 x 14 cm	1	1300003336
ROCASE 6427 red, without inlay, 59 x 39 x 27 cm	1	1300003337

General Purpose Tools

Case System

ROCASE Shoulder belt

Model		No.
ROCASE Shoulder belt with logo	1	1500002239



No. 1500002239

ROCASE 4212/4414 pluck foam inlay

Model		No.
ROCASE 4212 pluck foam inlay	1	1500002449
ROCASE 4414 pluck foam inlay	1	1500002450



No. 1500002450

ROCASE 4414 with Tray and ROBOX

Set includes: ROCASE 4414, 2 x ROBOX Tray, 12 x ROBOX B2350 (No. 1500002641)

Model		No.
ROCASE 4414 red, with 2 Trays and ROBOXES	1	1000002108



No. 1000002108

ROBOX Set for ROCASE 4414

Set includes: of: 1 x ROBOX Tray, 6 x ROBOX B2350 (No. 1500002641)

Model		No.
ROBOX Set for ROCASE 4414	1	1000002109



No. 1000002109

ROBOX

Model		No.
ROBOX B2350, 192 x 114 x 50 mm	1	1500002641
ROBOX B2650, 364 x 114 x 50 mm	1	1500002763



No. 1500002763



No. 1500002641

Hand tool kit 4414, 18 parts

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 M7", ROGRIP M10"), ROGRIP XL,Pipe Wrench 1", Uni Stepped Key Set and Ratchet, SWO Adjustable Wrench, Screwdrivers Set EUROLINE, Standard Spirit Level 430mm, ROMATIC and ruler, Shoulder Belt with Logo. In ROCASE completely.

Model		No.
Hand tool kit 4414, 18 parts	1	1000001955

ROCASE Sets with ROBOX

The ROCASE Sets contain seperate Handtool and Trimming Sets for pipe working

KEY FEATURES:

- Handy and reusable individual packaging of the tool sets
- Case with click-system for easy transport



No. 1000002195



No. 1000002196



No. 1000002197



No. 1000002198



No. 1000002199



No. 1000002223

Set (No. 1000002195) includes: ROCASE 4414 red without inlay and holder (1300003541), Plier Set 3 pcs. (Super S 1“), ROBOX (1000002188), TUBE CUTTER TC 35 + Cutting Wheels, ROBOX (1000002190), MINICUT I PRO + MINI MAX, ROBOX (1000002191), TUBE CUTTER INOX + Cutter Wheels, ROBOX (1000002192), Plastic Tube Shear ROCUT TC 42, ROBOX (1000002193), 17 pcs. Socket Set 1/4“ (1000002180, 53 pcs. Special Application Bit Set 1/4“ (1000002181), 10 pcs. Colour Ring Bit Set 1/4“ (1000002182), ROBOX B2350 (1500002641)

Set (No. 1000002196) includes: ROCASE 4414 red without inlay and holder (1300003541), Plier Set 3 pcs. (Super S 1“), ROBOX (1000002188), TUBE CUTTER TC 35 + Cutting Wheels, ROBOX (1000002190), MINICUT I PRO + MINI MAX, ROBOX (1000002191), TUBE CUTTER INOX + Cutter Wheels, ROBOX (1000002192), 38 pcs. Socket and Hexagonal Key Set, 1/2“, Tray (1000002183)

Set (No. 1000002197) includes: ROCASE 4414 red without inlay and holder (1300003541), Plier Set 3pcs. with ALUDUR, ROBOX (1000002189), TUBE CUTTER TC 35 + Cutting Wheels, ROBOX (1000002190), MINICUT I PRO + MINI MAX, ROBOX (1000002191), TUBE CUTTER INOX + Cutter Wheels, ROBOX (1000002192), Plastic Tube Shear ROCUT TC 42, ROBOX (1000002193), 17 pcs. Socket Set 1/4“ (1000002180, 53 pcs. Special Application Bit Set 1/4“ (1000002181), 10 pcs. Colour Ring Bit Set 1/4“ (1000002182), ROBOX B2350 (1500002641)

Set (No. 1000002198) includes: ROCASE 4414 red without inlay and holder (1300003541), Plier Set 3pcs. with ALUDUR, ROBOX (1000002189), TUBE CUTTER TC 35 + Cutting Wheels, ROBOX (1000002190), MINICUT I PRO + MINI MAX, ROBOX (1000002191), TUBE CUTTER INOX + Cutter Wheels, ROBOX (1000002192), 38 pcs. Socket and Hexagonal Key Set, 1/2“, Tray (1000002183)

Set (No. 1000002199) includes: ROCASE 4414 red without inlay and holder (1300003541), Plastic Tube Shear ROCUT TC 42, ROBOX (1000002193), 17 pcs. Socket Set 1/4“ (1000002180), 53 pcs. Special Applic. Bit Set 1/4“ (1000002181), ROBOX B2350 (1500002641), Plier Set 3 pcs. (Super S 1“), ROBOX (1000002188), TUBE CUTTER TC 35 + Cutter Wheels, ROBOX (1000002190), MINICUT I PRO + MINI MAX, ROBOX (1000002191)

Set (No. 1000002223) includes: ROCASE 4414 red without inlay and holder (1300003541), Plastic Tube Shear ROCUT TC 42, ROBOX (1000002193), 17 pcs. Socket Set 1/4“ (1000002180), 53 pcs. Special Applic. Bit Set 1/4“ (1000002181), ROBOX B2350 (1500002641), Plier Set 3 pcs. (Super S 1“), ROBOX (1000002188), TUBE CUTTER TC 35 + Cutter Wheels, ROBOX (1000002190), TUBE CUTTER INOX TC35 + Cutting Wheels, ROBOX (1000002222)

Model	kg	No.
103 pcs. Handtool Set with Corner Pipe Wrench, ROCASE	7.07	1000002195
57 pcs. Handtool Set with Corner Pipe Wrench, ROCASE	9.14	1000002196
103 pcs. Handtool Set with One Handed Pipe Wrench ALUDUR, ROCASE	7.17	1000002197
57 pcs. Handtool Set with One Handed Pipe Wrench ALUDUR, ROCASE	9.14	1000002198
94 pcs. Handtool Set with MINICUT and MINI MAX, ROCASE	5.59	1000002199
98 pcs. Handtool Set with INOX TUBE CUTTER TC35, ROCASE	5.61	1000002223

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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	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
- ROTHENBERGER Battery Platform

Working process

- 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*

* Detailed guarantee terms can be found at https://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

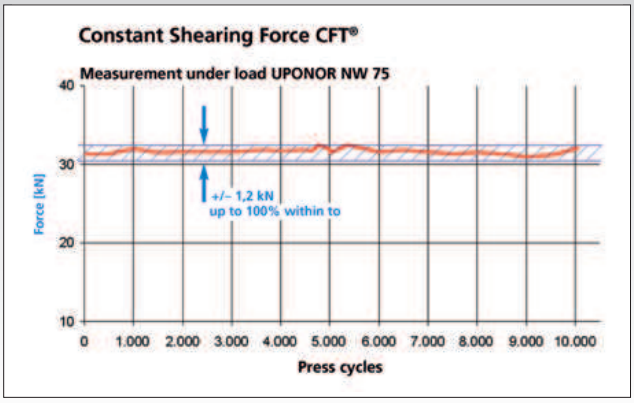
The **CFT® (Constant Force Technology)** guarantees a constant axial pressing force over the entire service interval.
A very important requirement for the production of sealed press connections CFT® guarantees:

ROMAX® Compact TT
19-21 kN for 40,000 press cycles

ROMAX® AC ECO
32-34 kN for 10,000 press cycles

ROMAX® 4000
32-34 kN for 40,000 press cycles

ROMAX® 3000 AC
32-34 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

Packaging units 1 (12) = 1 Display, Content 12 pieces 1/12 = packaging units 1 pieces oder 12 pieces

Notes

Notes



Imprint

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