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Premium tools for
professionals!

8





Testing & Leak Detection




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Testing & Leak Detection

Overview Testing Pumps

Precision Testing Pumps manual			
	<div>RP 50-S / RP 50-S INOX</div> 	<div>TP 25</div> 	<div>RP 30</div> 
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
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Testing Pumps electric	
	<div>RP 50-S / RP 50-S INOX</div> 
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 und Glycol
Page	192

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)

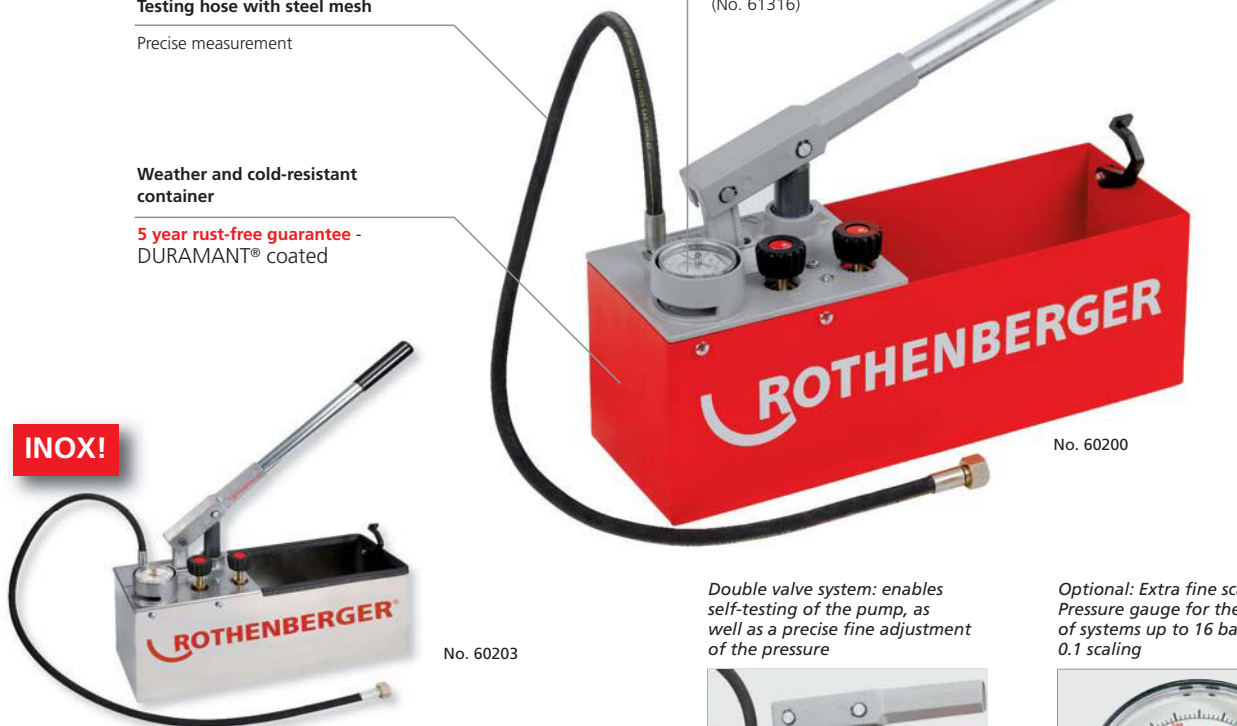
Testing hose with steel mesh

Precise measurement

Weather and cold-resistant container

5 year rust-free guarantee - DURAMANT® coated

INOX!



No. 60200

No. 60203

Double valve system: enables self-testing of the pump, as well as a precise fine adjustment of the pressure

Optional: Extra fine scaling Pressure gauge for the testing of systems up to 16 bar with a 0.1 scaling



Model	kg		No.
RP 50-S Testing Pump	8	1 4	60200
RP 50-S INOX (stainless steel) Testing Pump	8	1 4	60203

ACCESSORIES

Model	kg		No.	Model	kg		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	61316

Testing & Leak Detection

Testing of Water Lines & Containers

RP PRO III

Self-priming electric testing pump up to 40 bar

Product Profile

APPLICATION AREA

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

KEY FEATURES

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

TECHNICAL DATA

Testing and pressure range:

0 - 40 bar, with 1 bar steps
0 - 570 psi, with 20 psi steps
0 - 0.1 MPa steps

Flow Rate:

max. 6 l / min

Dimensions (L x W x H):

375 x 290 x 300 mm

Connection:

R 1/2"

Mains voltage:

220 - 240 V / 50 HZ and
110 V / 50 - 60 HZ

Performance:

1.3 kW

Container:

ABS-plastic

Valve for pressure adjustment

Precise labelling on handle

Glycerine pressure gauge

Easy for the user to read during high dynamic alternating loads

Optimal weight distribution

Comfortable to carry

Thermal automatic shutdown


Prevents overloads and damage to the pump

Installation diagram on unit

Eases the direct connection

Function Overview

Direct overview of the functions

Model		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	12110016	61185
Filling hose with adaptor	0.5		61001
Testing hose with R 1/2" connection	0.4		V12102000
Extra pressure gauge	0.8		61187
Maintenance package RP PRO III in scope of delivery			61186

Testing & Leak Detection

Testing of Water Lines & Containers



TP 25

Small, robust precision testing pump for pressure testing up to 25 bar

Product Profile

APPLICATION AREA

Pressure testing with water or oil of piping in residential and industrial construction, as well as for industrial containers up to 25 bar in accordance with international and national standards

KEY FEATURES

- Reliable and precise testing results: the dual-valve system (Twin Valve) enables self-testing of the pump, as well as a precise fine adjustment of the pressure
- Testing hose with steel mesh prevents reading mistakes, that can happen when the hose expands during operation
- Weather and cold-resistant steel container with DURAMANT® coating

TECHNICAL DATA

Testing and pressure range: 0 - 25 bar
Hub suction capacity: approx. 16 ml / stroke
Dimensions (L x W x H): 380 x 215 x 156 mm
Connection: R 1/2"
Container: Steel, DURAMANT® coated



For the daily work on site



Model	Pressure range	kg		No.
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

Testing & Leak Detection

Testing of Gas & Water Lines

ROTEST® GW 150/4

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



Product Profile

APPLICATION AREA

Analogue testing unit for the implementation of the following tests:

- Gas:** Load and leakage test for newly installed gas lines in accordance with DVGW - TRGI worksheet 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

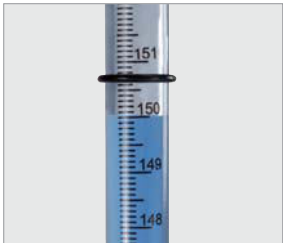
- Pressure gauge:** 4 bar
Water column: 150 mbar
Testing accuracy: Water column 0.1 mbar (Reading accuracy in accordance with TRGI)
 Pressure gauge 0.1 bar (Display range 0 - 4 bar)

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DVGW-TRGI / worksheet G600/April 2008 conforming!



Testing scale up to 150 mbar on transparent extending tube element



Transparent tube element with double o-ring seal



Inspection glass
Water level control



Legible scaling

Continuous scaling up to 150 mbar

Measurement chart in unit

Testing times and testing pressure from lawmakers at a glance

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

Model in combination with basic unit	kg	No.
with 5 test plugs and supply end cap (with No. 1-14, 16-17)	7.6	61700
with 5 test plugs without supply end cap (with No. 1-5, 7-14, 16-17)	7.3	61701

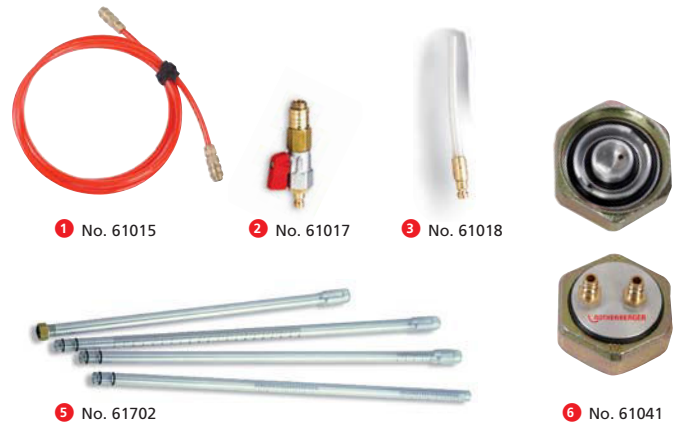
Testing & Leak Detection

Testing of Gas & Water Lines

Set Components


Description	ET		No.
Connecting hose	1	130	61015
Cut-off valve, gas	2	125	61017
Adaptor	3	10	61018
Rubber bellow	4	55	61014
Tube element, 4 piece	5	120	61702
Supply end cap	6	380	61041
Seal set	7	40	61030
Force Pump	8	500	61011
Spare manometer R 1/4"	9	75	61012
Double nipple for hose connection	10	100	H96591
Measurement fluid, blue	11	100	351257
Adaptor 1/2"		50	61067


4, 7 up to 11 without picture





Gas Test Plug / Adaptor


Suitable for gas lines up to 1.5 bar


Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	Parts-No.		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

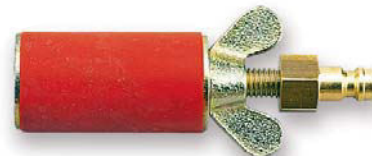
Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	Parts-No.		No.
Cylindrical shape with pneumatic connection					
Size 1	3/4"	22		60	351271
Size 2	1"	28		75	351272

Model	Steel exterior pipe Ø inch	Copper exterior pipe Ø mm	Parts-No.		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	Parts-No.		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 pipe Ø mm	Parts-No.		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

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



Testing & Leak Detection

Testing of Waste Water Lines

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)



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

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ROLeak Aqua Plus

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

Product Profile

KEY FEATURES

- Leak detection for various pipe materials
- Amplifies 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
- Simplified 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

Testing & Leak Detection

Leak Detection on Gas Lines

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



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

Model	kg	No.
ROTEST® Electronic 3	1,5	66080

TECHNICAL DATA

Detects: Natural gas, propane, butane, methane, acetone, alcohol, ammonia, benzyl, ethylene, gasoline, hydrogen, industrial solvents, jet fuel, paint thinner, naphtha, toluene

Sensitivity: < 50 ppm – 1 Vol % (Methan)

Power supply: 1 x 9 Volt block battery, type SLM 9 V



Finds leaks easily



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ROTEST®

Leak detection on gas lines

Product Profile

APPLICATION AREA

Ideal for detecting leaks in gas-filled lines, gas cylinders or containers. When a leak is present a blister forms

KEY FEATURES

- Simple use - always ready to use
- Highly sensitive foaming spray for a quick and reliable locating of leaks

TECHNICAL DATA

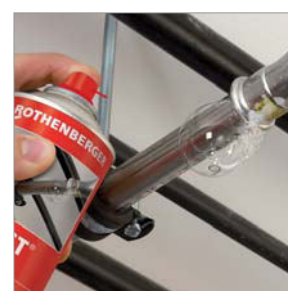
Detects gases (for example natural gas, inflammable gas, air)
The leak detection spray is neutral against the most common inflammable gases and refrigerants. The only reaction is the building of foam

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

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



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



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Premium tools for
professionals!



Freezing

Freezing electric

Pipe freezing systems

200 - 202

Freezing with Gas

Pipe freezing systems

203







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

Pipe freezing system for copper, steel, stainless steel and plastic composite pipes



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, stainless steel and plastic composite pipes



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"

Plastic pipes, as well as multi-layered composite pipes

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



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, stainless steel and plastic composite pipes



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"

Plastic pipes, as well as multi-layered composite pipes

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



230 Volt
50/60 Hz

ROFROST® TURBO 2" with reduction inserts size A, E, F, G (see ROFROST® reduction insert overview)

25.6

62203

ROFROST® TURBO 2" with reduction inserts size II, III, V, VII, A, E, F, G (see ROFROST® reduction insert overview)

25.8

62206

Expansion set for ROFROST® TURBO with reduction inserts size II, III, V, VII

62230

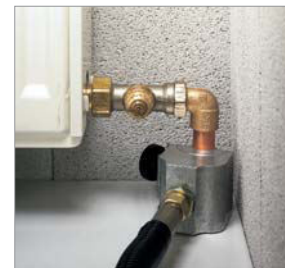
additional sets upon request

Freezing

Freezing Electric



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

The reduction insert size E, 42 mm serves as an adaptor piece for fitting ROFROST® TURBO 1.1/4" reduction inserts size I – size XII

ROFROST® Heat Conductive Paste



No. 62291

For a perfect freezing result



Heat conductive paste enables fully automatic freezing without spraying!

Description			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

Product Profile

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"

Plastic pipes, as well as plastic composite pipes

19-part set (No. 65030) includes: 2 handles with feed valves (No. 65032), 2 high pressure hoses (No. 65033), 10 pairs of freezer heads (2 for each pipe dimension), stopper for one-sided freezing (No. 65049), wrench (No. 65045), internal hexagonal screwdriver (No. 65046), T-piece (65034), Plastic carrying case (65031)

for Copper pipes		for Steel pipes		No.
Ø mm	Ø inch	Ø inch		
10 - 60	1/2 - 2.1/8"	1/8 - 2"	4.9	65030

ROFROST® Freezer Heads

Size	for Copper pipes		for Steel pipes		No.
	Ø mm	Ø inch	Ø inch		
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

Set without carbon dioxide bottles!




Use carbon dioxide bottles only with stand pipes



Freezer Heads



Size	for Copper pipes		for Steel pipes		No.
	Ø mm	Ø inch	Ø inch		
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		No.
ROFROST® Handy	2,400	64020
Quick Freeze Freezing Spray	500	64001

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Premium tools for
professionals!





Inspection & Locating

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Do you want to know more about our products? Please scan the QR-Code!

Inspection & Locating

System Overview

ROSCOPE® i2000

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



ROSCOPE® i2000 Modules

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	–

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ROCAM® 4

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



ROCAM® 4 Exchange Reels

Exchange reel with
Camera head Ø 30 mm



Exchange reel with
Camera head Ø 40 mm



Mini Module 8 m



Application:	Ø 70 - 150 mm	Ø 100 - 300 mm	Ø 40-100 mm
Display size:	10,4"	10,4"	10,4"
Touchscreen:	✓	✓	✓
Cable length:	30 m	30 m	8 m
Cable:	Ø 7 mm	Ø 7 mm	Ø 5,5 mm
Camera head:	Ø 30 mm	Ø 40 mm	Ø 25 mm
Self levelling:	✓	✓	–
Transmitter:	✓	✓	–
Frequency:	33 kHz	33 kHz	–
Picture format:	JPG	JPG	JPG
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:	✓	✓	✓

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Inspection & Locating

Video Inspection

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
<ul style="list-style-type: none">● 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!

3.5" Touchscreen
640 x 480 pixel resolution (JPEG)

Ergonomic handling
Function keys arranged closely together

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

Compatible connection
Previous ROTHENBERGER modules can be used

WiFi
Easy data transfer to mobile devices

SD-card slot
Memory space for audio, video and image data

Integrated microphone

Integrated speaker
For audio playback

Powerful Li-ion battery
For an extra long battery life and short charging times



ROSCOPE® i2000 & ROCAM® 4 App

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



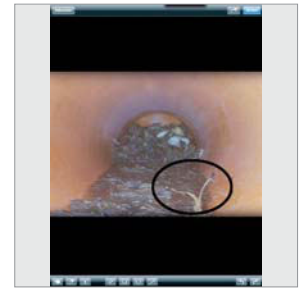
APPLICATION ADVANTAGES

- 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 210



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 211-213

Module 25/16



Module 25/22



Module TEC



Module ROSCAN 150



For Locating: ROLOC PLUS

Positioning module for sondes

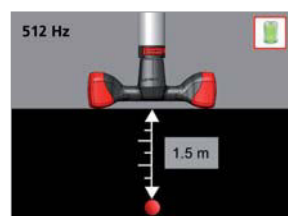
KEY FEATURES

- 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

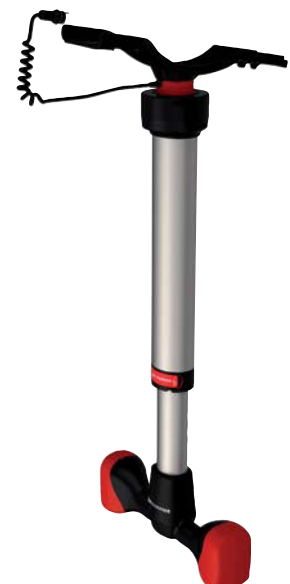
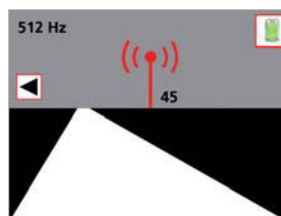
See page 213



Camera head is 1.5 m deep



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



Inspection & Locating

Video Inspection

ROSCOPE® i2000 & ROCAM® 4 App

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



Product Profile

APPLICATION ADVANTAGES

- 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

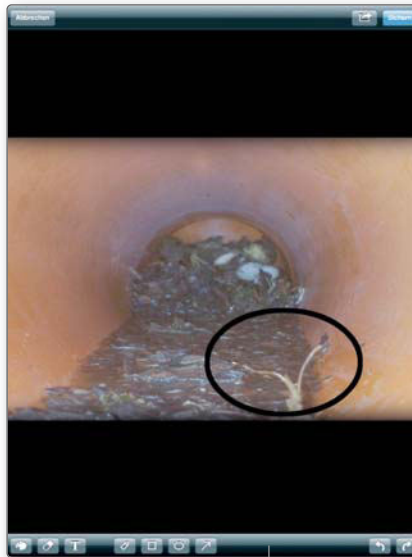
ROCAM® 4:

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
- Right-angle, 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

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

Self-levelling camera head



Inspection of hollow spaces



Camera head with high-performance LEDs



ROSCOPE® i2000 Module 25/22

High-performance camera for the inspection of pipes from Ø 40 up to 100 mm.

Product Profile

KEY FEATURES

- Recording and playback of the inspection on video (AVI) or photo (JPEG)
- Extremely flexible camera head for 90° bends starting from Ø 40 mm

TECHNICAL DATA

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

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
1 Module 25/22 (without basic unit)	1	69603
Guide skid for Module 25/16 and 25/22	1	74629

Cable length: 22 m!



Inspection of rain downpipes



Inspection of floor drains



Inspection & Locating

Video Inspection

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

Integrated transmitter

For the precise locating of the camera head

Self-leveling camera head

Picture is always upright, no loss of orientation

Guide skid for Module 25/16 and 25/22

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

No. 74629

3.5" Touchscreen

640 x 480 pixel resolution (JPEG)

Battery compartment

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

Rubberized base

Stable stand without slipping and damaging the surface

Inspection of access line



Inspection of rain drainpipes



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

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 Multimedia



Simple menu guidance

Guides step-by-step to targeted position

Telescopic function

For easier transport in case

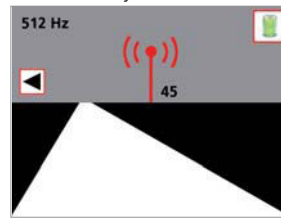
Multi-frequencies

Locating of the most common camera heads

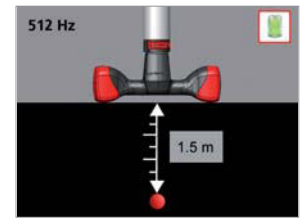
Depth measurement

Pin-point location of the transmitter position

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 bis 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



Inspection & Locating

Video Inspection

ROCAM® 4

Inspection camera for pipes from Ø 40-300 mm,
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 and video, as well as editing options (e.g. documentation of damage)
- Fast data recording with integrated keyboard to mark, highlight and name damages

KEY FEATURES

- 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



30 mm Camera head with improved luminosity



High flexibility and durability



Cover protected connections for SD-card, Micro-HDMI, Mini-USB



Locating with ROSCOPE® module ROLOC PLUS



Inspection & Locating

Video Inspection



TECHNICAL DATA

Picture and video format: JPG / AVI (Resolution 720 x 600)

Camera head: Ø 30 mm, self-levelling and waterproof with 10 LEDs
Ø 40 mm, self-levelling and waterproof with 36 LEDs

Working area: Ø 70 - 150 mm (30 mm camera head)
Ø 100 - 300 mm (40 mm camera head)

TECHNICAL DATA

Cable length: 30 m (standard)
8 m Mini-Module (optional)

Cable diameter: 7 mm (30 m reel)
5,5 mm (Mini-Module)

Transmitter frequency: 33 kHz

Power supply: Li-Ion battery 18V / 3 Ah
Main adaptor 230 V, 50 - 60 Hz (optional)

Sending of edited pictures directly from the place of action



Model	No.
ROCAM® 4 with Camera head ø 30 mm	1 1500001470

10,4" Color-Touchscreen for the use on construction site



Model	No.
ROCAM® 4 with Camera head ø 40 mm	1 1500001471

Mini-Module ROCAM® 4

Easy extension of the working area 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

TECHNICAL DATA

Camera head: Ø 25 mm, waterproof with 8-LEDs

Working area: Ø 40 - 100 mm

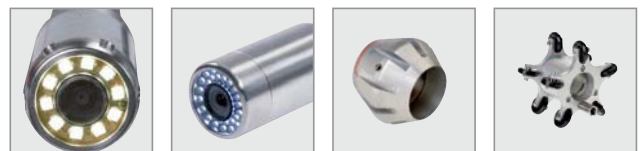
Cable length: 8 m Mini-Module

Cable diameter: 5,5 mm

Model	No.
Mini-Module ROCAM® 4	1 1500001472

ACCESSORIES

Model	No.
Camera head ø 40 mm	1500000122
Camera head ø 30 mm	1500000123
ROCAM® 4 Accessories	216



Inspection & Locating

Video Inspection

ROCAM® Camera Heads

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

Product Profile
KEY FEATURES
Excellent brightness: <ul style="list-style-type: none"> ● 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: <ul style="list-style-type: none"> ● 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: <ul style="list-style-type: none"> ● Flexible spring provides 90° curveability in pipes up to Ø 70 mm when enough stability is provided ● Pressure tight up to 3 bar with the stainless steel casing ● Scratch and impact resistant with the sapphire glass objective

KEY FEATURES
Mountable transmitter: <ul style="list-style-type: none"> ● 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: <div> <div>Ø 30 mm with 10 LED lights</div> <div>Ø 40 mm with 36 LED lights</div> <div>self-leveling and waterproof</div> </div>
Brightness: <div> <div>175 LUX (0.5 m), camera head Ø 30 mm</div> <div>666 LUX (0.5 m), camera head Ø 40 mm</div> </div>

Always an upright picture!



Excellent illumination



Pressure tight screw slip-ring connection



High flexibility and durability



Mountable transmitter



Model	No.
Camera head Ø 30 mm	1500000123

Model	No.
Camera head Ø 40 mm	1500000122

Rolling Skids

Recommended for distances from 10 m

APPLICATION AREA

Rolling skids RS40/150 for pipe diameters Ø 150 - 200 mm
Rolling skids RS40/200 for pipe diameters Ø 200 - 300 mm

KEY FEATURES

- Optimized view of the pipe section
- Less pushing resistance with the fully rubberized wheels



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

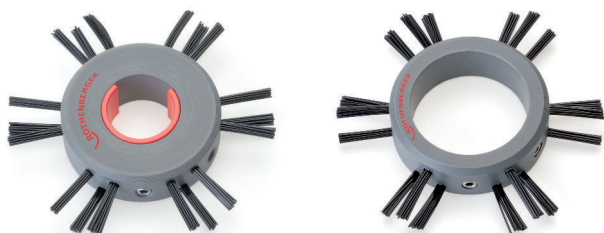
To improve the overview in pipes from Ø 100 – 200 mm

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 attachment spiral feather (rear)

Brush attachment 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 Multimedia

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 Multimedia

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: 12 V / 3 or 6 Ah NiMH



No. 15810



No. 15811



No. 1500001562

Model		No.
Spare battery (18 V / 3.0 Ah, Li-Ion)	1	15810
Charger for spare battery (110-230 V)	1	15811
Mains adaptor (230 V)	1	1500001562

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Flushing & Pipe Cleaning

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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:	—	✓

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Pipe Cleaning

WC-Blitz



ROPOWER® HANDY



ROSPIMATIC



ROSPI® 6 H+E Plus



Operation Mode:	manual	manual	electric	manual / elektrik
Working Range:	Ø 50 - 100 mm	Ø 50 - 100 mm	Ø 20 - 50 mm	Ø 20 - 50 mm
Max. Spiral length:	1 m	2,3 m	7,5 m	4 m
Spiral diameter:	13 mm	16 mm	8 mm	6 mm
Power:	—	—	630 W	—

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R 550



ROSPEED 3F



R 600



R 650



Operation Mode:	elektrik	elektrik	elektrik	elektrik
Working Range:	Ø 20 - 100 mm	Ø 50 - 100 mm	Ø 20 - 150 mm	Ø 20 - 150 mm
Max. Spiral length:	40 m	30 m	60 m	65 m
Spiral diameter:	8**/ 10**/ 16 mm	16 mm	8**/ 10**/ 16 / 22 mm	8**/ 10**/ 16 / 22 mm
Power:	250 W	250 W	400 W	800 W

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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

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Pipe Cleaning

ROSPI® 8 H+E Plus



ROSPI® 10 H+E Plus



RODRUM S 10



Manual Drain Cleaner 3 S



RODRUM S 13



manual / electric	manual / electric	electric	manual	electric
Ø 20 - 50 mm	Ø 20 - 70 mm	Ø 40 - 70 mm	Ø 50 - 100 mm	Ø 50 - 100 mm
7,5 m	10 m	10 m	15 m	15 m
8 mm	10 mm	10 mm	13 mm	13 mm
–	–	250 W	–	250 W

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R 750



R 80



R 100 SP



R 140 B



Operation Mode:	electric	electric	electric	Fuel
Working Range:	Ø 50 - 200 mm	Ø 70 - 250 mm	Ø 70 - 250 mm	Ø 100 - 600 mm
Max. Spiral length:	80 m	80 m	100 m	140 m*
Spiral diameter:	16**/ 22 mm	22 / 32 mm	22 / 32 mm	32 mm / rod system
Power:	900 W	1400 W	1400 W	4800 W

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* with a rod

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

Flushing & Pipe Cleaning

Flushing

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



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

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

Quick connect NW 7,2

For connecting pneumatic tools

Function switch

Enables you to change ROCLEAN functions easily

ROPULS eDM App with documentation feature



ROPULS eDM with ROCLEAN Function for cleaning and conservation



ROPULS eDM – Documentation
✓ Easy
✓ Fast
✓ Professional

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

Scope of delivery (No. 1000001134) ROPULS eDM flushing compressor, 2 x 1 m fabric hose 1" with GK coupling

Model



No.

ROPULS eDM flushing compressor with hoses 28 **1000001134**

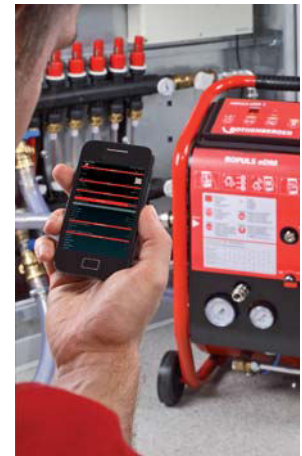
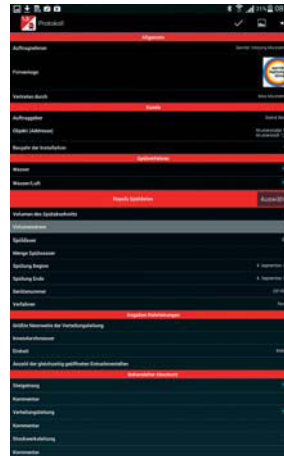
ROPULS eDM App

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



KEY FEATURES

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



ROPULS Flushing Compressor

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



Function switch

Enables you to change **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

11

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	224

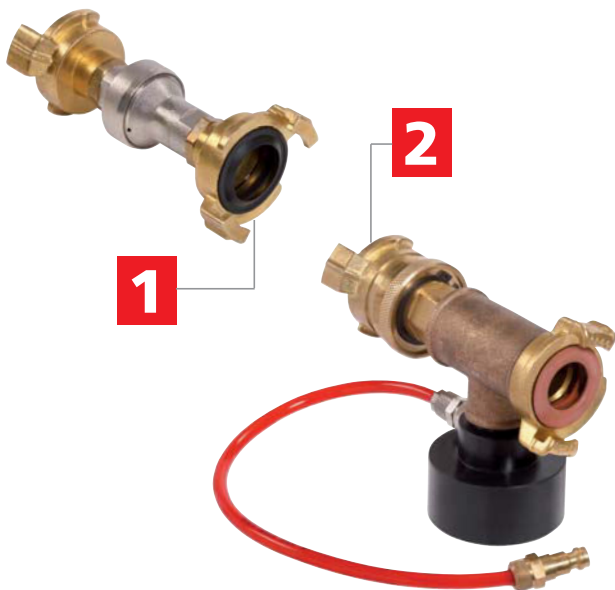


Flushing & Pipe Cleaning

Flushing

ROCLEAN Funktion

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



- 1

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

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



Model	kg		No.
ROCLEAN Injector	1,1	1	1000000190
Pressure regulator 2 bar	0,3	1	1500000203

Cleaning and Preservation with ROCLEAN

Cleaning chemicals for radiator heating systems



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



Cleaning chemicals for surface heating systems



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



Preservative for radiators and surface heating systems



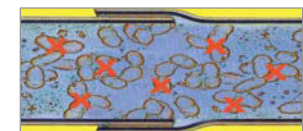
Maintains the cleaned condition and protects the system. One bottle is sufficient for 100 l system volume.



Disinfection of drinking water systems



Does not stay in system. One bottle per 100 l system volume.



Cleaning and preservation steps:

Before cleaning	
Step 1: Mechanical cleaning	
Step 2: Chemical cleaning	
Step 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	Orange	6,3	6	1500000200
– Surface heating systems	Green	6,3	6	1500000201
Preservative	Blue	6,3	6	1500000202
Disinfection	Yellow	6,3	6	1500000157

ROCAL 20 / ROMATIC 20

Decalcifying pump with flow direction change



Product Profile

RANGE OF USE

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

KEY FEATURES

- With the help of the flow reversal (change of the direction of flow) even very hard calcifications and deposits can be loosened
- 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 Watt
Volume flow:	40 l / min.
Delivery height:	10 m



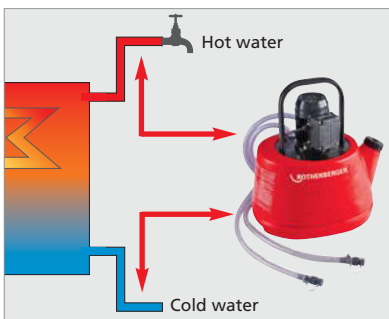
Fig. ROCAL 20

Automatic flow reversal!

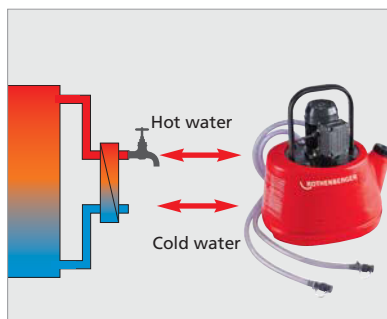


Fig. ROMATIC 20

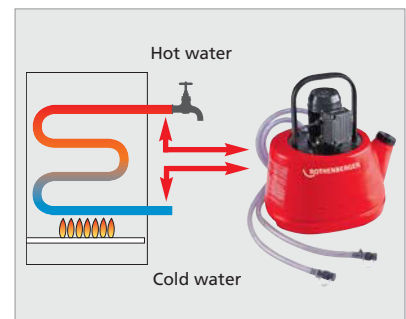
Decalcifying of drinking water storage tanks



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. 61190) and ROMATIC 20 (No. 61100) 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"

Description	kg		No.
ROCAL 20	6	1	61100
ROMATIC 20	6	1	61190

ACCESSORIES



Decalcifying chemical for ROCAL 20, ROMATIC 20 see 226

Flushing & Pipe Cleaning

Decalcifying

ROCAL Acid Multi / Plus

Decalcifying chemical for use with ROCAL 20, ROMATIC 20

Product Profile

RANGE OF USE

ROCAL Acid Multi

For the safe decalcification of all piping systems, heat exchangers, fresh water stations and water tanks

ROCAL Acid Plus

For strong calcifications and scale build-up. Only suitable for technical systems. Not suitable for drinking water pipes.

KEY FEATURES

- With 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

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

Product Profile

KEY FEATURES

- A powerful centrifugal pump for rapid filling and effective flushing out and ventilation of solar plant
- Optional: robust and heat resistant (up to 90°C) Impeller pump: small particles of solid materials are also conveyed without difficulty. Fitted with a pressure relief valve
- Heat resistant hoses (up to 100°C) allow safe filling and maintenance of solar plant
- A height-adjustable (76-110 cm) telescopic grip for space-saving storage, simple transport and good handling in tight cellars
- Well thought-through handling: the canister can easily be filled through the large opening. The shut-off valve in the bottom allows simple/uncomplicated emptying of the whole container

TECHNICAL DATA

Dimensions (H x W x D):	49 x 51 x 76 cm
Container volumes:	30 l
Hoses:	Length: 2 x 3 m
	Connections: 3/4"
	Heat resistant: up to 100°C

A generously dimensioned
container opening

Makes easy and secure filling possible

Optional: A fleece filter bag

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

A dirt filter with sight glass

Filters residues out
of the medium

Height-adjustable
telescopic grip (76 - 110 cm)

Small and flexible as required

Heat resistant hoses
(up to 100°C)

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

Optional:
impeller pump

Small particles of solid
materials are also conveyed
without difficulty

A return flow cover
with filter



Hose connection with
anti-kink protection



Ball valve



Model	No.
ROSOLAR PUMP (with centrifugal pump)	1500000135
ROSOLAR PUMP PLUS (with impeller pump)	1500000136
Fleece filter bag ROSOLAR (10 pcs.)	1500001236
Return flow cover (for filter bags)	1500001235

Flushing & Pipe Cleaning

Pipe Cleaning manual

ROPUMP® SUPER PLUS

Professional force pump cleaner

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

Product Profile

KEY FEATURES

- Optimal adjustment for even the most difficult to reach drains with the appropriate adaptor
- Best force transmission with the flexible, adjustable handle
- Optimal sealed system and therefore the highest suction and pressure power with the silicon sealing lip and single-cast main body

Quick – Compact – Handy!

KEY FEATURES

- Simple handling with the perfect adaption an the drain, simple to use, with ergonomic formed components

Flexible, in all directions adjustable handle

Optimal adaption to the cleaning job

Single-cast main body

Withstands the heaviest loads

Ergonomic D-handle

Perfect transmission of force and optimal handling

Piston with silicon sealing lip

Effortless handling

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	4	072070X
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



Flexible socket
Various areas of application

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

Range of use:	20 - 50 mm
Spiral:	Ø 8 mm x 7.5 m



Electrical operation with cordless drill



Manual operation



Model		kg		No.
ROSPI® 6 H+E Plus	4.5 m	1.4	1 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 249				

Flushing & Pipe Cleaning

Pipe Cleaning Manual & Electric

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

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 **242**

WC-BLITZ RO-3 Toilet Auger

KEY FEATURES

- Flexible use even in hard-to-reach places**
With tough cleaning bulb auger. Extendable handle and 1 m spiral length, Ø 1/2"
- No damage to ceramic surfaces**
Angle made out of plastic

Angle with plastic protection

No damage to ceramic surfaces in the visual range



Model	kg		No.
WC-Blitz RO-3 complete with spiral	2.75	1	78551
WC-Blitz RO-3 with tool coupling	2,90	1	1500001324

ROSPI® R 36 Plus

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 **249**

Flushing & Pipe Cleaning

Pipe Cleaning Electric

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



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 drive can be combined with 3 different cleaning tools, more efficient operation
- Spiral locking mechanism with torque control enables an optimal reverse 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

One-of-a-kind spiral control mechanism

Quick and comfortable switching between forward and reverse under full-load is possible

Locking knob with torque control

No crushing of the spiral (longer service life)

Removal of the obstruction

Spiral can be combined with 3 different pipe cleaning tools (accessories, retrofitable)

Closed plastic spiral container

Protects the surrounding from dirt

Tool set optional

Electronic speed control

Optimal pipe cleaning results

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 piece)	1	72942
ROSPIMATIC protective hose	1	72542

Fast removal of obstructions





For additional accessories see 238

Flushing & Pipe Cleaning

Pipe Cleaning Electric



Model		230 V	110/115 V
R 550 including guide hose	16.0	72686	72631
Tool sets and accessories starting on 	238		

R 550

Drain cleaning machine for pipe Ø 20 - 100 mm

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

Product Profile

APPLICATION AREA

Especially light, compact and handy design:

Ideal for the universal service use by pipe obstructions in connecting pipes from wash basins, toilets, sewage pipes, floor drains and roof drainage



KEY FEATURES

- Extremely light
- Direct attachment of 16 mm spirals
- 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



Model		230 V	110/115 V
R 600 including guide hose	20.9	72687	72632
Tool sets and accessories starting on 	238		

R 600

Drain cleaning machine for pipe Ø 20 - 150 mm

For installation and maintenance work in hospitals and municipal facilities

Product Profile

APPLICATION AREA

Universal use both indoors and outdoors:

The powerful motor works reliably even against stubborn obstructions. A wide range of accessories is available

KEY FEATURES

- Direct up take from 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 und 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

Flushing & Pipe Cleaning

Pipe Cleaning Electric

R 650

Drain cleaning machine for pipe Ø 20 - 150 mm

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

Product Profile

APPLICATION AREA

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

KEY FEATURES

- Double motor performance (cp. R 600)*
- Flexible with drive lever that can be fitted on the side
- Direct up take of 22 mm and 16 mm spirals
- Optional Ø 8 and 10 mm with adaptor magazine possible
- Maximum working length 65 m, with Ø 22 mm S-spiral

TECHNICAL DATA

For pipe diameters:	Ø 20 - 150 mm
Direct attachment:	Ø 22 und 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 / 110 / 115 V, 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	110/115 V
R 650 including guide hose	22.8	72688	72633
Tool sets and accessories starting on	238		

R 750

Drain cleaning machine for pipe Ø 20 - 200 mm

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

Product Profile

APPLICATION AREA

Perfectly suited for the cleaning of domestic connections and main pipes:

Quiet operation and powerful cleaning action. Usable for such as chain spinning, grinding and cutting roots

KEY FEATURES

- Drive lever can be rotated (180°), locked and used as a handle for easy wheeling
- Direct up take of 32 mm and 22 mm
- Optional Ø 16 mm with clutch jaw possible
- Maximum working length 70 m, with Ø 22 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 / 110 / 115 V, 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	110/115 V
R 750 including guide hose	33.5	72689	72634
Tool sets and accessories starting on	238		

Flushing & Pipe Cleaning

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

11

Flushing & Pipe Cleaning

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 Area / Pipe diameter:	Ø 40-100 mm
Max. Working length:	10 m (with 10 mm Spirals) 15 m (with 13 mm Spirals)
Power:	250 W
Speed (Drum)	300 r/min.
Product dimensions:	58 x 33 x 39 cm

Cleaning of connection pipe with 10 mm spiral



Convenient transport thanks to detachable drum



Interchangeable drum for different working ranges



Model	kg	No.
RODRUM S 10 EU	18,9	1000001256
RODRUM S 13 EU	24,8	1000001307
RODRUM S 13 EU with Tool-Set	25,7	1000001257
Spiral 13 mm x 15 m wit reinforced wire		72016
Spare spiral RODRUM S 13 mm x 15 m		1300002582

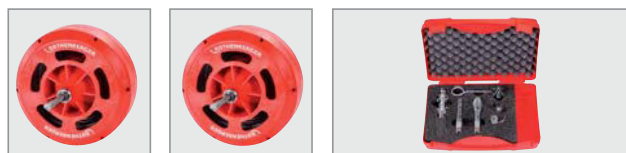
Set (No. 1000001256) includes: RODRUM S 10, Guide hose (No.1300002581), Spiral guide gloves (No.1500000439)

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

ZUBEHÖR

Model	No.
RODRUM S 10 Drum	5,5 1000001275
RODRUM S 13 Drum	11,4 1000001276
Tool-Set 16 mm	5,5 1000001308

Spirals, Drain cleaning tools 240



Flushing & Pipe Cleaning

Pipe Cleaning Electric

ROSPEED 3F

High-performance pipe cleaning innovation for pipes
 Ø 50 - 100 mm, automatic spiral feed.
 Ideal for use inside buildings



Product Profile

APPLICATION AREA

By returning spiral, the pipe contamination stays in the drum unlike the sectional machines. That is why this unit is ideally suited use by HVAC professionals, for example, for in private homes, hospitals and clinics, gastronomy and hotels, schools and nursing homes, facility management and other public buildings

KEY FEATURES

- The unit can be used immediately
- Easy and comfortable handling with the automatic feed
- Clean and discrete use
- Clear controls

KEY FEATURES

- 3F – three functions in one unit:
 1. Scrubbing
 2. Pulsating
 3. Final cleaning
- Simple cleaning of the drum with a steam cleaner (for example)

TECHNICAL DATA

For pipe diameters:	Ø 50 - 100 mm
With direct attachment:	Ø 16 mm
Max. working length:	15 m up to 30 m expandable
Rating:	250 W
Speed:	270 - 340 min ⁻¹ , 3 Step adjustable
Weight:	47.5 kg

Electronic display – 3F

Clear and easy control of the 3 cleaning functions

Forced guidance of the spiral, parallel layer winding, remains balanced

Spiral will not twist or turn in the drum

Spiral control in direction of rotation, automatic feed and retraction

Optimum handling

Clamping mechanism with T-groove coupling

For secure lengthening or shortening of the spiral

ATC- Automatic Torque Control – One-of-a-kind automatic rpm control protects spiral and motor!

Toolbox is included in delivery

Immediately ready-to use

Stainless steel grip

Easy to extend and pack away

Cleaning plug on the back side of the drum

Easy cleaning of the drum

With 6 professional tools to get started

- Straight Auger
- Bulb Auger
- Retrieving Auger
- Chain-spinning Head
- Cross-blade cutter, serrated
- Spiral Sawtooth Cutter

Set (No. 72960) for Standard 16 mm includes: Basic machine, straight auger (No. 72161), bulb auger (No. 72163), retrieving auger (No. 72162), chain-spinning head (No. 072185F), cross-blade cutter, serrated (No. 72176), spiral sawtooth cutter (No. 72166), separating pin (No. 72100), guide hose (No. 72540), ROWONAL spray (No. 72142), plastic carrying case

Included in delivery

Model			No.
ROSPEED 3F (230 V) with tool set	47.5	1	72960
Spiral 16 mm x 15 m with steel core	15.0	1	72918

236

Flushing & Pipe Cleaning

Pipe Cleaning Electric

R 80

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

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
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



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

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



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

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

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



Includes (No. 72971): R 140 (No. 72970) with rod, 25 x adaptor 3/4" (No. 78581) rod turning grip (No. 78580), tool adaptor for mounting 32 mm spirals (No. 72122), tool adaptor for 32 mm spiral rod coupling (No. H99569), rod tool adaptor (No. H99120), guide glove, left (No. 72120), guide glove, right (No. 72121), separating pin (No. 72101), funnel auger (No. 72322), straight auger (No. 72321), bulb auger (No. 72271), retrieving auger (No. 72325), spiral sawtooth cutter Ø 65 mm (No. 72329), dual spade head cutter (No. 72774), forked cutter Ø 76 (No. 72350), forked cutter Ø 85 (No. 72781), forked cutter Ø 112 (No. 72782), tool box (No. FF60185), operating instructions (machine, motor, gears)

Model	kg	No.
R 140 B basic machine	97.00	72970
R 140 B with rod and tool set	108.50	72971

Flushing & Pipe Cleaning

Accessories Pipe Cleaning Electric



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	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 spirals 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 spirals Ø	length	kg	No.
FS 16	R 550/ROSPEED 3F	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

Flushing & Pipe Cleaning

Accessories Pipe Cleaning Electric

Spiral Retrieving Device

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

Model		kg	No.
Spiral Retrieving Device	3.7		72135



Telescoping Guide Tubes

- No twisting: For safe spiral guidance in manholes and manhole covers

Description	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 and disinfection



Description	Contents	kg	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

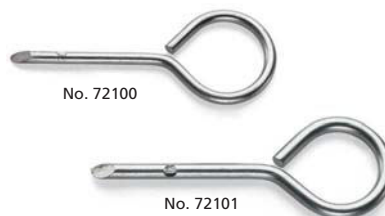


Description	g	No.
Guide Gloves left, leather	190	72120
Guide Gloves right, leather	190	72121
Guide Gloves (pair), rubber	160	1500000439

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



Spiral Baskets

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

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



Flushing & Pipe Cleaning

Pipe Cleaning Spirals

ROTHENBERGER High-Performance Drain Cleaning Spirals

For the toughest demands during continuous operation

Product Profile

KEY FEATURES

- **Bevelled lead-ins on the T-groove coupling**
Quick, trouble-free coupling even when wearing gloves
- **For the toughest demands even during continuous operation**
Different wire gauge can be chosen depending on use, high material characteristics, perfected production process
- **Maximum spring tension with high elasticity and flexibility**
Specially hardening process
- **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



Sufficient connecting coil

Spare couplings can be mounted easily



Various wire gauges

Flexible, depending on use

Insertion taper

Simple coupling of spirals and tools



ROPOWER PROFILE CABLE

Additional cleaning effect with the squared profile



Plastic core

Spiral won't clog with dirt



T-groove made of Nirosta steel

Long lasting and high functional safety with the high-quality coupling design

Spiral / Type	Short distance many bends	Long distance straight run	No clogging of the Spiral with dirt	Additional cleaning power
Standard Spiral	●	○	○	○
SMK-Spiral	●	○	●	○
S-Spiral	○	●	○	○
S-SMK-Spiral	○	●	●	○
ROPOWER PROFILE	○	●	●	●

○ not suitable ● suitable

ROPOWER® PROFILE CABLE

Spiral with special galvanized wire shape

KEY FEATURES

- Squared spiral wire profile (DIN EN 10270-1)
Additional cleaning effect on pipe wall
- Plastic core
No clogging of the spiral with dirt
- Especially suitable for working over long distances



mm	Core	inch	L m	kg	No.
16	●	5/8"	2.3	1.3	72490
Safety T-groove couplings can be found on 249					

Standard Spirals

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



mm	inch	L m	Wire thickness Ø mm	R/K Type	kg	No.
16	5/8"	2.3	3.0	C 8	1.05	72431
22	7/8"	4.5	4.5	C 10	3.98	72441
32	1.1/4"	4.5	5.0	C 11	6.29	72451
Safety T-groove couplings can be found on 249						

S-Spirals

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



mm	inch	L m	Wire thickness Ø mm	R/K Type	kg	No.
16	5/8"	2.3	3.5	E 8	3.00	72428
22	7/8"	4.5	5.0	E 10	4.18	72443
32	1.1/4"	4.5	6.0	E 11	6.80	72453
Safety T-groove couplings can be found on 249						

ROTHENBERGER Lock Ring

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



SMK-Spirals

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



mm	inch	L m	Wire thickness Ø mm	R/K Type	kg	No.
16	5/8"	2.3	3.0	C 8	1.24	72433
22	7/8"	4.5	4.5	C 10	4.64	72442
32	1.1/4"	4.5	5.0	C 11	7.63	72452
Safety T-groove couplings can be found on 249						

S-SMK-Spirals

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



mm	inch	L m	Wire thickness Ø mm	R/K Type	kg	No.
16	5/8"	2.3	3.5	E 8	1.30	72435
22	7/8"	4.5	5.0	E 10	4.78	72444
32	1.1/4"	4.5	6.0	E 11	7.85	72455
Safety T-groove couplings can be found on 249						

Examples of Use

Tool expertise from ROTHENBERGER

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

Suitable for all ROTHENBERGER drain cleaning spirals with

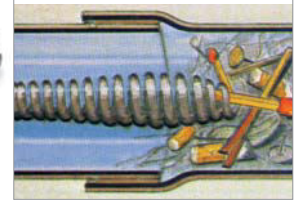
- Ø 16 mm - 5/8"
- Ø 22 mm - 7/8"
- Ø 32 mm - 1.1/4"

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

Bulb Auger

243

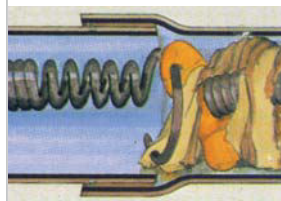
The most common tool for cleaning pipes and drains with tight or multiple bends



Retrieving Auger

243

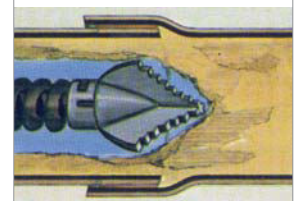
Special tool for retrieving objects from the pipe, e.g. textiles, spirals or tools



Cross-blade Cutter, serrated

244

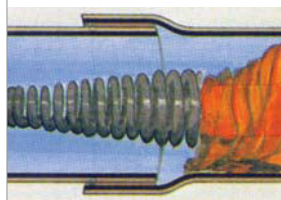
Special tool for opening up solidified pipe obstructions



Funnel Auger

243

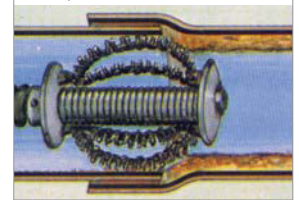
Tool for removing, opening or retrieving obstructions caused by, e.g. textiles



Chain-spinning Head with Spikes

245

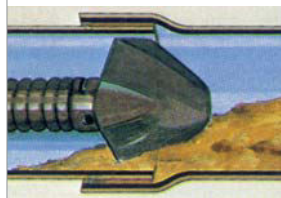
For concrete, cast iron and ceramic pipes. Intensive action. Without rings = for tight pipe bends, with 3 chains



Spade Head Cutter

244

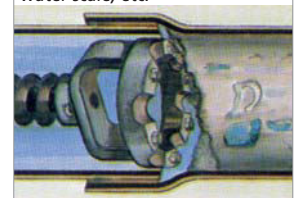
Ideally suited for slit or sludge deposits in pipes, and as a follow-up tool



Carbide-tipped Cutters

246

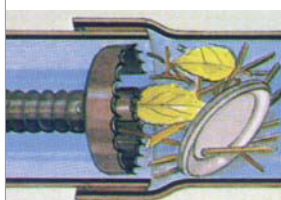
This carbide-tipped tool is used to remove the hardest obstructions such as cement, urine and water scale, etc.



Spiral Sawtooth Cutter

244

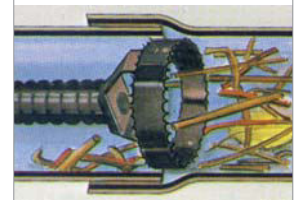
Special tool for chopping up small roots and other material that have become caught in the pipe



Two-way Root Cutter

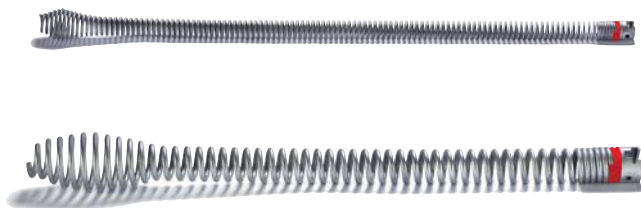
246

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



Bulb Auger, long

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



Coupling mm / inch	mm	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

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

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

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

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

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

Flushing & Pipe Cleaning

Drain Cleaning Tools

Hardened spring steel blades!






No. 72154



No. 72164

Four-blade Cutter

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




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



No. 72234

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

Grease Cutter




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



No. 72261

Spade Head Cutter

- Curved special tool for silt and sludge deposits




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



No. 72229

Spiral Sawtooth Cutter

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

Coupling mm / inch	 mm	 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




- Used for textile or sludge obstructions!
- Hardened, break-proof, spring steel blades!
- Recommended for use with S or SMK spirals!



No. 72275

Cross-blade Cutter, serrated

- Powerful combination tool for grinding up and removing solidified obstructions
- For coarse removal of incrustations
- As preparatory tool for chain spinning

Coupling mm / inch	 mm	 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"	45	60	100 - 125	140	72374
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 incrustated 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!

Chain-spinning Heads with ring and spikes

Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	30	160	70 - 125	320	72182
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
32 / 1.1/4"	70	220	100 - 150	1,350	72347
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



No. 72278



No. 72188

For better curve manoeuvrability!

Flushing & Pipe Cleaning



Drain Cleaning Tools

Carbide-tipped Cutters

- Carbide-tipped cutters for the hardest obstructions and incrustations such as cement deposits, urine and water scale and other hard deposits
- Recommended for use with S or SMK spirals

Carbide-tipped Cutters!






Coupling mm / inch	 mm	Form	Working range mm	 g	No.
16 / 5/8"	25	straight	35 - 50	70	72191
16 / 5/8"	30	straight	50 - 75	80	72193
22 / 7/8"	30	straight	50 - 75	90	72291
22 / 7/8"	45	pointed	60 - 100	320	72295
32 / 1.1/4"	45	straight	60 - 100	240	72392
32 / 1.1/4"	55	pointed	70 - 100	400	72396
32 / 1.1/4"	80	straight	100 - 200	530	72398

Two-way Root Cutter

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

Replaceable blades!






Coupling mm / inch	 mm	 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
32 / 1.1/4"	150	130	200 - 300	550	72367
Spare cutter	65	-	-	120	72270
Spare cutter	90	-	-	150	72271

Serrated Forked Cutter

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





Coupling mm / inch	 mm	 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
Spare blade	76	-	-	90	72258
Spare blade	100	-	-	120	72259

Ball Head Cutter

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



Coupling mm / inch	Working range mm	 mm	 g	No.
4 Blade				
16 / 5/8"	50 - 75	25	42	72168
16 / 5/8"	50 - 75	35	80	72172
16 / 5/8"	75 - 100	55	144	72173
22 / 7/8"	100 - 125	35	126	72207
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 Blade				
22 / 7/8"	125 - 150	90	1025	72227
22 / 7/8"	125 - 150	115	1225	72228
32 / 1.1/4"	125 - 200	95	1108	72327
32 / 1.1/4"	150 - 200	115	1256	72328

Tool Set L

Ø 16 mm, 10 pieces



Set (No. 72936) includes: PVC- case (No. 55016), 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 L

Ø 22 mm, 11 pieces



Set (No. 72938) includes: PVC-case (No. 55016), 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 16 mm, 5 pieces

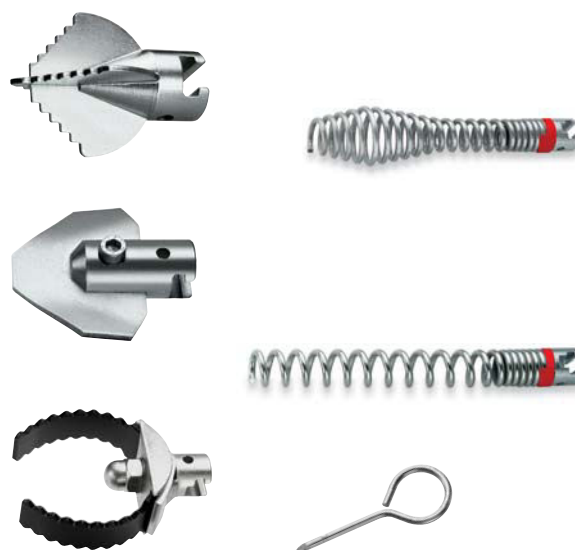


Set (No. 72937) includes: Separating pin 16 mm (No. 72100), straight auger 16 mm (No. 72161), bulb auger 16 mm (No. 72163), blade cutter 16 mm (No. 72169), cross-blade cutter 16 mm (No. 72175)

Model	No.
16 mm Tool Set S (R 550, R 600, R 650)	72937

Tool Set S

Ø 22 mm, 6 pieces



Set (No. 72939) includes: Separating pin 22 mm (No. 72101), straight auger 22 mm (No. 72221), serrated forked cutter 22 mm (No. 72250), spade head cutter 22 mm (No. 72261), bulb auger 22 mm (No. 72263), cross-blade cutter 22 mm (No. 72276)

Model	No.
22 mm Tool Set S (R 600, R 650, R 750)	72939

Flushing & Pipe Cleaning

Drain Cleaning Tools

With Lock Ring!



Spiral and Tool Sets

Standard Ø 16 mm



Set (No. 072945X) includes: Spiral basket 16 mm (No. 72110), 5 x 16 mm standard spirals (No. 72431), PVC-case (No. 55016), 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)

Description	Model	kg	No.
Standard 16 mm	with standard spirals	12.0	072945X

Spiral and Tool Sets

Standard Ø 16 / 22 mm



Set (No. 072956X) includes: Spiral basket 16 mm (No. 72110), 5 x 16 mm standard spirals (No. 72431), straight auger 16 mm (No. 72161), bulb auger 16 mm (No. 72163), blade cutter 16/25 mm (No. 72169), separating pin 16 mm (No. 72100), spiral basket 22 mm (No. 72112), 5 x 22 mm standard spiral (No. 72441), PVC-case (No. 55016), 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)

Description	Model	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

Standard Ø 22 mm



Set (No. 072955X) includes: Spiral basket 22 mm (No. 72112), 5 x 22 mm standard spirals (No. 72441), PVC-case (No. 55016), 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)

Description	Model	kg	No.
Standard 22 mm	with standard spirals	24.0	072955X

Spiral and Tool Sets

Standard Ø 32 mm



Set (No. 072962X) includes: Spiral basket 32 mm (No. 72111), 5 x 32 mm standard spirals (No. 72451), PVC-case (No. 55016), 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)

Description	Model	kg	No.
Standard 32 mm	with standard spirals	37.0	072962X

Flushing & Pipe Cleaning

Accessories Pipe Cleaning Spirals

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

mm	Wire Ø	Length	Type	Steel core	Use for for ROSPI®	kg	No.
6.4	2 mm	4.5	-	-	R 6	0.8	72522
8	2 mm	7.5	C 1	-	R 8 - R 36	1.8	72412
8	2 mm	7.5	C 1 - IC	●	R 8 - R 36	2.3	72413
8	2 mm	10.0	-	-	R 8 - R 36	2.4	72414
8	2 mm	10.0	-	●	R 10 - R 36	3.0	72415
10	2.5 mm	10.0	C 5	-	R 10 - R 36	3.5	72422
10	2.5 mm	7.5	C 4	-	R 10 - R 36	2.9	72420
10	2.5 mm	7.5	C 4 - IC	●	R 10 - R 36		72424
10	2.5 mm	7.5	-	-	R 10 - R 36		72421*
10	2.5 mm	7.5	-	●	R 10 - R 36	2.9	72423*

*with T-groove coupling



No. 72413



No. 72421 / No. 72423

Reducing / Extension Pieces

For spirals with T-coupling

Within limits, tools with larger or smaller lead-ins can also be adapted

Description	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



No. 72461



No. 72460

Safety T-Couplings

Fixing of broken spirals!

for Standard and SMK spirals



No. 72210



No. 72211

Description	g	16 mm 5/8"	g	22 mm 7/8"	g	32 mm 7/8"
for Standard and SMK spirals						
positive	20	72150	40	72210	100	72310
negative	20	72151	40	72211	100	72311

Flushing & Pipe Cleaning

High-Pressure Drain Cleaning

High-Pressure Drain Cleaner

Soiled pipes are flushed using the high-pressure system with up to 200 bar. At the start of cleaning, a cleaning hose is introduced into the pipe. Water is then flushed through the pipe at a pressure dependant on the level of soiling - until the pipe is completely clean.

For the removal of the obstructions and possible deposits there are a number of different nozzles that can be used eg. quattro 3-sided nozzle, the rotating nozzle or the grenade nozzle. Working with these special cleaning nozzles, in addition to water pressure, enables a quiet, quick and precise procedure.

Even the hardest incrustations are loosened and flushed away – without the need for chemicals. By controlling the high-pressure unit with the remote control, the operator can continue working without any interruption.

High-pressure cleaning is an efficient and cost-effective solution for obstructions in ground pipes, for soil and rain water as well as for pipes that transport grease, and for the removal of roots. This method is therefore used for land drainage, gutters, courtyard drainage, rain-water downpipes, rainwater canals, etc.

**Efficient and
cost-effective
solution for
obstructions in
ground pipes!**



11

HD 19/180B from the HD series



ROJET® 30/130 from the ROJET® series



ROJET® 40/100 from the ROJET® series



Flushing & Pipe Cleaning

High-Pressure Drain Cleaning

High-Pressure Drain Cleaner

High-quality professional unit Ø 40 – 200 mm working range

Product Profile

KEY FEATURES

- Wide range of high-pressure cleaners for professional use. High-quality components and an optimum ratio between power density and operating pressure guarantees reliable operation and effective cleaning
- For cleaning pipes, drains, rainwater downpipes, domestic connections, cleaning work in sewers as well as surface cleaning of vehicles, machines, buildings and floor tiles
- High-performance, self-priming compact unit

TECHNICAL DATA

Continuous pressure regulation:

Pump with 3 ceramic plungers running in an oil bath, run-dry protection, stainless steel valves, brass pump housing, leakage return flow, pressure gauge with bar/psi scale, self priming up to 2 m

With integrated suction injector (all versions):

External supply of cleaning agents

High operational safety: No damage to the high-pressure seal

HD 11 / 90 for pipe: Ø 40 - 150 mm, max. 20 m

HD 13 / 100 for pipe: Ø 40 - 150 mm, max. 20 m

HD 17 / 190 for pipe: Ø 40 - 200 mm, max. 40 m

HD 19 / 180B for pipe: Ø 40 - 200 mm, max. 40 m

High-Pressure Drain Cleaning

HD 11/90



HD 13/100



HD 17/190



Rating:	230 V	230 V	400 V
Max. Pipe diameter:	Ø 150 mm	Ø 150 mm	Ø 200 mm
Max. working length:	20 m	20 m	40 m
Max. Operation pressure:	90 bar	100 bar	190 bar
Pump delivery:	11 l/min	13 l/min	17 l/min
Speed:	1.500 W	2.300 W	5.000 W

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HD 19/180B



ROJET 30/130



Operation mode:	Fuel	Fuel
Max. Pipe diameter:	Ø 200 mm	Ø 250 mm
Max. working length:	40 m	50 m
Max. Operation pressure:	180 bar	130 bar
Pump delivery:	19 l/min	30 l/min
Speed:	8.100 W	9.500 W

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Flushing & Pipe Cleaning

High-Pressure Drain Cleaning

HD 11/90

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 delivery:	11 l/min
Rating:	1.5 kW
Max. working length:	20 m
Speed:	1,400 min ⁻¹

Scope of delivery: HD 11 / 90 (No. 76070), hose reel with 40 m special high-pressure hose DN 8 with couplings (No. 72820) and pipe cleaning nozzle (No. 76089)

Model 400 V/50 Hz

High-pressure pipe cleaning unit HD 11 / 90 50.0 **76070**

HD 13/100

100 bar high-pressure pipe
cleaning unit with hose reel



Ø 150 mm



KEY FEATURES

- Air-filled transport wheels, easy to navigate stairs
- AC supplied, self-priming up to 2 m

TECHNICAL DATA

Max. operating pressure:	100 bar
Electric motor:	AC supply
Pump delivery:	13 l/min
Rating:	2.3 kW
Max. working length:	20 m
Speed:	1,400 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 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



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 400 V/50 Hz

High-pressure pipe cleaning unit HD 17 / 190 50.0 **76070**

HD 19/180 B

180 bar Hochdruckreiniger
mit Benzinmotor



Ø 200 mm

Mit Benzinmotor!



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 No.

High-pressure pipe cleaning unit HD 19 / 180 B 78.5 **76090**

Flushing & Pipe Cleaning

High-Pressure Drain Cleaning

Accessories HD 11/90



No. 76073



No. 72810

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, only for use with cleaning lance, length 1.2 m	0.05	76067
Water suction hose	0.20	76066
for intake from containers, length 3.0 m		

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



No. 76067



No. 76066

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, only for use with cleaning lance, length 1.2 m	0.05	76067
Water suction hose, length 3.0 m	0.20	76066
for intake from containers		

ROJET®

High-Pressure Cleaning Units

Professional cleaning units

Innovative cleaning technology that is established on the market. User-friendly construction with an optimum ratio between power density and operational pressure for the best cleaning results. Available in many variations and versions

KEY FEATURES

- **Suitable for mounting in or on different vehicle types**
Free vehicle choice
- **Prevents the pump from over speeding**
Speed limiting
- **Drain cleaning for pipe diameters from 40 mm**
Mobile hose reel for small pipe diameters available
- **Independent operation from vehicle engine**
Low maintenance costs and service times, separate engine, no auxiliary drive required
- **Container design**
ROJET can be installed in different vehicles at any time

KEY FEATURES

- **High service level**
12-month warranty on motor, pump and hydraulics, guaranteed spare parts service due to series production. Clear differentiation of guarantees for cleaning unit and vehicle manufacturer.
- **Low maintenance, long service life of motor, pump and hydraulics**
High-quality design, solid construction
- **Permits the use of a lance**
E.g. for cleaning surfaces, exterior walls, courtyards, vehicles, etc., built-in pressure selection valve

Flushing & Pipe Cleaning

High-Pressure Drain Cleaning


ROJET® 30/130

High-pressure cleaning unit for pipes from Ø 40 - 200 mm

Product Profile	
TECHNICAL DATA	
Motor:	Tough 4-stroke petrol engine, 1 cylinder, air-cooled, E-Start, rating 9.5 KW (13 HP), normal petrol
Starter battery:	12 Volt, 36 Ah
High-pressure pump:	3-plunger pump, delivery 30 l/min - 130 bar
Water tank:	Plastic, contains 200 litre
High-pressure reel:	Stainless steel reel, rotatable water coupling, manual operation
Filling reel:	Stainless steel reel, rotatable water coupling, manual operation
High-pressure hose:	DN 12, length 50 m (R 1/2" coupling)
Filling hose:	DN 19, length 50 m (R 1/2" coupling)
Included in delivery:	High-performance nozzle 1/2"
Trailer:	Break-free box trailer
Covering:	Tarpaulin and frame, height 800 mm
Overall-dimensions:	2,520 x 1,480 x 1,700 mm (L x W x H)
Gross vehicle weight	550 kg
Included in delivery:	1 parking stand

Includes (No. 76300): basic unit with trailer, standard nozzle with forward jetting (No. 76135)

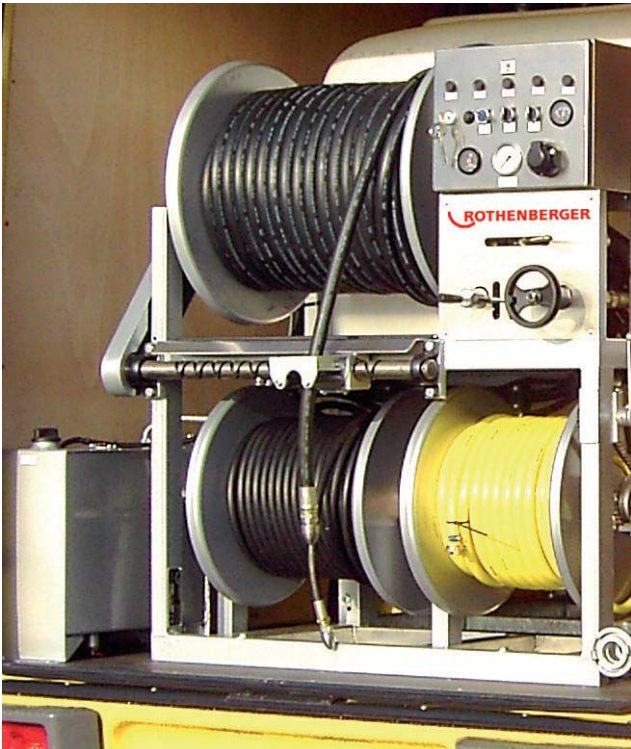
Includes (No. 76462): nozzle holder (No. 76309), standard nozzle with forward jetting (No. 76135), grenade nozzle (No. 77631), rotating nozzle (No. 77621) and quattro nozzle (No. 77611)



Model	kg	No.
ROJET 30/130 basic unit without trailer	200	76301
ROJET 30/130 basic unit with trailer	290	76300
Nozzle set 30 / 130	6.5	76462
For other extras/optional equipment, please see the table on		256

ROJET® 130/160

High-pressure drain cleaning unit for professional use up to Ø 500 mm



Product Profile	
TECHNICAL DATA	
Main frame:	Profiled steel, hot-galvanised, partially coated
Engine:	Diesel engine, 4-cylinder, water cooled, turbocharger, automatic speed control, rating 44 KW (60 HP)
Pump:	3-plunger pump, delivery 128 l/min at 160 bar
Starter battery:	12 Volt/36 Ah
Large High-pressure reel:	Hydraulic drive, continuously adjustable with HD hose DN 19, length 80 meters
Small High-pressure reel:	Hydraulic drive, continuously adjustable with HD hose DN 12, length 80 meters
Filling reel:	Manual operation, with filling hose DN19, length 50 meters
Water tank:	Plastic, 800 l. Other sizes available
Fuel tank:	Capacity 27 litre
Dimensions:	2,300 x 1,400 x 1,360 mm (L x W x H). Suitable for the Mercedes Sprinter and similar vehicles
Weight:	approx. 900 kg
Equipment:	Run-dry protection, water filter, water level indicator, glycerine pressure gauge, safety valve with unloader function, C-connector, anti-freeze exhaust, pressure switch lever, 2 standard nozzles, control box with control lights, ignition lock, operating hour counter and fuel gauge

Model	kg	No.
ROJET® 130/160	900	76485
For other extras/optional equipment, please see the table on		256

Flushing & Pipe Cleaning

High-Pressure Drain Cleaning

ROJET® 50/120 – 60/140 – 85/160 – 100/160 – 100/200 Basic and Comfort

Product Profile

KEY FEATURES

- **Maintenance friendly, long service life of motor, pump and hydraulics**
High-quality design, solid construction
- **Use with cleaning lance**
E.g. for cleaning surfaces, exterior walls, courtyards, vehicles, etc. Built-in pressure selection valve
- 5 different performance versions
- Individual drive unit
- Galvanised main frame
- Easy to use
- Cost-saving building block system

TECHNICAL DATA

Main frame:	Profiled steel, hot-galvanised, partially coated reel supports, fitted
Motor:	Petrol engine 15 KW / 17 KW, diesel engine 37 KW / 42 KW, E-Start, automatic speed control
Pump:	3-plunger pump, delivery 50-100 l/min at 120-200 bar
Starter battery:	12 Volt / 36 Ah
High-pressure reel:	Hydraulic reel gear
High-pressure hose:	50/120 - 85/160 DN 12, length: 80 m, 100/150 and 100/200 DN 16, length: 80 m
Filling reel:	Manual and hydraulic (optional)
Filling hose:	DN 19, length: 50 m
Water tank:	Plastic, ROJET 50/120 and 60/140, capacity 400 litres, ROJET 85/160 - 100/200, capacity 800 litres, other sizes available
Equipment:	Run-dry protection, instrument panel with ignition switch, operating hours counter, fuel gauge and engine control lamps. water level indicator with acoustic signal, automatic diesel level indicator, manual hose guide, water filter with cut-off cock, safety valve with unloader function 3-way pressure selector tap, glycerine pressure gauge, cover of the drive unit is made of aluminium-corrugated sheet metal continuous speed and pressure adjustment, additional filling possibilities using C-coupling, water level indicator over plexi-glass tube, 1 standard nozzle.



Model	kg	No.
ROJET® 50/120 Basic	420	76540
ROJET® 60/140 Basic	440	76541
ROJET® 85/160 Basic	800	76542
ROJET® 100/160 Basic	810	76543
ROJET® 100/200 Basic	810	76544



Model	kg	No.
ROJET® 50/120 Comfort	450	76320
ROJET® 60/140 Comfort	470	76321
ROJET® 85/160 Comfort	820	76322
ROJET® 100/160 Comfort	830	76323
ROJET® 100/200 Comfort	830	76324

Flushing & Pipe Cleaning

High-Pressure Drain Cleaning



No. 76302



No. 76200

Remote control and other optional equipment is available, please see table below!

ROJET®

Optional equipment

ROJET®		30/130	40/100	50/120 60/140	85/160 100/160 100/200	130/160
	No.					
Water tank						
800 litres	76220	n/a	●	●*	S	S
1,000 litres	76221	n/a	●	●*	●	●
Remote control						
Cable, 6-functions	76226	n/a	n/a	●	●	
Radio, 6-functions	76302	n/a	n/a	●	●	
Cable, Radio	76331	n/a	n/a	●	●	●
Working spot lights						
Base frame	76232	n/a	n/a	●	●	●
Base frame:	Necessary when wheelhouse distance is less than 1.2 meters					
Aluminium floor	76228					
Autom. filling stop	76210	n/a	●	●	●	●

Explanation: n/a = not applicable, ● = additional charge, S = standard, F = possible without additional charge
 * Only for ROJET 50/120 long version (Type L)

Standard Nozzle

Made of VA steel

Suitable for the removal of obstructions or for flushing pipes and drains

**All-purpose standard nozzle:
versatile – flexible – hard-working!**



Model	Coupling	Ø x L mm	kg	No.
For ROJET® 30/130	R 1/2"	30 x 50	0.12	76135
For ROJET® 40/100	R 1/2"	30 x 50	0.12	76141
For ROJET® 50/120	R 1/2"	30 x 50	0.12	76137
For ROJET® 60/140	R 1/2"	30 x 50	0.12	77606
For ROJET® 85/160	R 1/2"	30 x 50	0.12	76152
For ROJET® 130/150	R 1/2"	30 x 50	0.12	76488
For ROJET® 130/150	R 3/4"	40 x 60	0.16	76406

Rotating Nozzle

Made of VA steel

High-performance rotating nozzle that is especially suited for use in greasy pipes, for all-round cleaning before TV camera inspection for the removal of light deposits and roots

It is also often used for basic cleaning before reconditioning

- 4 different jet angles (propulsion part 25° / pipe 90°, 75° and 60°)
- All-round use
- Guarantees maximum cleaning performance



Model	Coupling	Ø x L mm	kg	No.
For ROJET® 30/130	R 1/2"	30 x 50	0.55	77621
For ROJET® 40/100	R 1/2"	30 x 50	0.55	77622
For ROJET® 50/120	R 1/2"	30 x 50	0.55	77623
For ROJET® 60/140	R 1/2"	30 x 50	0.55	77626
For ROJET® 85/160	R 1/2"	30 x 50	0.55	77624
For ROJET® 100/150	R 1/2"	30 x 50	0.55	77566
For ROJET® 130/150	R 1/2"	30 x 50	0.55	76492
For ROJET® 130/150	R 3/4"	40 x 110	0.72	76427

Quattro 3-sided Nozzle

Made of VA steel

Support the quick removal of tough obstructions through ripping, cutting and drilling. Additionally, it can be used in cleaning away pipe pressing residues

- Nozzle with 3-sided point
- With 4 forward-facing high-pressure jets. (M5 grub screws)



Model	Coupling	Ø x L mm	kg	No.
For ROJET® 30/130	R 1/2"	30 x 50	0.11	77611
For ROJET® 40/100	R 1/2"	30 x 50	0.11	77612
For ROJET® 50/120	R 1/2"	30 x 50	0.11	77613
For ROJET® 60/140	R 1/2"	30 x 50	0.11	77616
For ROJET® 85/160	R 1/2"	30 x 50	0.11	77614
For ROJET® 100/150	R 1/2"	30 x 50	0.11	77565
For ROJET® 100/200	R 1/2"	30 x 50	0.11	77530
For ROJET® 130/150	R 1/2"	30 x 50	0.11	76489
For ROJET® 130/150	R 3/4"	40 x 70	0.14	76410

Grenade Nozzle with Traction Jet

Made of VA steel

Cleaning nozzle with a high cleaning efficiency for professional use in drains with a maximum diameter of 300 mm.

- Optimised water flow, flexible, with high power traction



Model	Coupling	Ø x L mm	kg	No.
For ROJET® 30/130	R 1/2"	60 x 95	0.136	77631
For ROJET® 40/100	R 1/2"	60 x 95	0.136	77632
For ROJET® 50/120	R 1/2"	60 x 95	0.136	77633
For ROJET® 60/140	R 1/2"	60 x 95	0.136	77636
For ROJET® 85/160	R 1/2"	60 x 95	0.136	77634
For ROJET® 100/200	R 1/2"	60 x 95	0.136	76172
For ROJET® 130/150	R 1/2"	60 x 95	0.136	76490
For ROJET® 85/160 R 3/4" - R 1/2"	R 1/2"	70 x 105	0.177	76193
For ROJET® 100/200 R 3/4" - R 1/2"	R 1/2"	70 x 105	0.177	76179
For ROJET® 130/150 R 3/4" - R 1/2"	R 1/2"	70 x 105	0.177	76416

Flushing & Pipe Cleaning

Accessories High-Pressure Drain Cleaning

Flat Nozzle

Made of VA steel

The wedged-shaped flat nozzles main purpose is for bottom cleaning and the removal of sand and debris. Furthermore, the flat nozzle is excellent for negotiating large passages and transporting heavy residue

- Utmost traction, light jetting effect (approx. 2")
- Demonstrative cleaning performance
- Optimum nozzle alignment (M 6 grub screws)



Model	Coupling	Ø x L mm	kg	No.
For ROJET® 30/130	R 1/2"	70 x 120	2.95	76170
For ROJET® 40/100	R 1/2"	70 x 120	2.95	76157
For ROJET® 50/120	R 1/2"	70 x 120	2.95	77643
For ROJET® 60/140	R 1/2"	70 x 120	2.95	76233
For ROJET® 85/160	R 1/2"	70 x 120	2.95	77644
For ROJET® 100/150	R 1/2"	70 x 120	2.95	76234
For ROJET® 100/200	R 1/2"	70 x 120	2.95	76161
For ROJET® 130/160	R 1/2"	70 x 120	2.95	76235
For ROJET® 130/160	R 3/4"	100 x 160	3.84	76236

Nozzle Assortment

Professional nozzle sets for ROJET

The nozzle assortment that is arranged for the professional, ensures a wide range of use and guarantees effective cleaning



Example for professional nozzle set

Model	Coupling	kg	No.
For ROJET® 30/130	R 1/2"	5.10	76462
For ROJET® 40/100	R 1/2"	5.10	76463
For ROJET® 50/120	R 1/2"	5.10	76464
For ROJET® 60/140	R 1/2"	5.10	77650
For ROJET® 85/160	R 1/2"	5.10	76465
For ROJET® 100/150	R 1/2"	5.10	76466
For ROJET® 100/200	R 1/2"	5.10	76470
For ROJET® 130/160	R 1/2"	5.10	76495
For ROJET® 130/160	R 3/4"	6.63	76467
Nozzle holder	50 x 370	1.28	76309
for nozzle assortment with 5 x 1/2"			

Rotor Trench Nozzle

Made of VA steel

Suitable for the removal of hard deposits and tough roots, high torsion with the turbine drive

- Multiple uses
- Best cleaning results



Model	Coupling	kg	No.
Rotor trench nozzle ROJET® 50/120	R 3/4-R 1/2"	3.4	76453
Rotor trench nozzle ROJET® 60/140	R 3/4-R 1/2"	3.6	77666

High-pressure Cleaning Lance

The built-in ROJET® pressure selection valve enables use with a cleaning lance

- Complete with R 1/2" threaded coupling
- Flat jet nozzle insert for channel, surface and component cleaning. Included in delivery



No. 76187



No. 76189

Model	kg	No.
For ROJET® 40/100 - 50/120 - 30/130	0.28	76187
For ROJET® 85/160	3.10	76189
For ROJET® 100/200	3.20	76166
For ROJET® drain cleaning units please see 254		

High-Pressure Hose

- Highly flexible
- Complete with couplings



Nominal diameter mm	Coupling	L m	kg	No.
8	R1/4"	40	9.4	72820
13	R1/2"	50	20.0	76130
13	R1/2"	80	52.0	76131
16	R1/2"	80	67.0	76119

Suction Injector

Extends the ROJET's range of use and helps to minimise costs.
Can be operated without a separate pump

- Suitable for all ROJET® versions
- R 1/2" hose coupling
- High suction performance



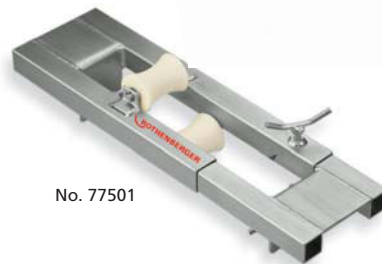
Perfectly suited for the suction
cleaning of silted channels,
drains, grease separators, etc.!



Model	kg	No.
HD-Coupling R1/2". with 6 m spiral hose	5.50	76191

Deflector Rollers

The use of deflector rollers reduces the wear and tear of high-pressure hoses and therefore extends the service life and helps to minimise costs



Model	kg	No.
For bottom manhole edge	6.2	77500
For bottom manhole edge	5.0	77501

Hose Reel, mobile

The mobility and range of use of the ROJET® is increased when the hose reel is used. Can easily be used without the help of a second person

- Includes professional cleaning nozzles
- Suitable for all ROJET® versions
- Inlet R 1/2"



Set (No. 76118) includes: Hose reel with manual crank, shut-off valve and swivel joint, 40 m high-pressure hose DN 8 with coupling R 1/4" (No. 72820), drain cleaning nozzle R 1/4" (No. 76055)

Model	kg	No.
Hose reel, complete with hose	26.5	76118
Hose reel, inlet 1/2" with hose	17.0	76160
40 m high-pressure hose DN 8, R 1/4" coupling	9.40	72820
Drain cleaning nozzle R 1/4", without forward jetting	0.04	76055
Drain cleaning nozzle R 1/4", with forward jetting	0.04	76065
Rotating nozzle R 1/4", 45°	0.08	77506

ONE
of
6.000

**Premium tools for
professionals!**





ROWELD®

Plastic Pipe Welding

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Plastic Pipe Welding

System Overview

Cutting

ROCUT® 110



ROCUT®160



ROCUT® XL 125



ROCUT® XL 225



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 225 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	264, 265	264, 265	266	266

Socket Welding

Heating Plate HE 120



Heating Plate HE 200



Heating Plate 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:	manual	manual	manual
Page	267	267	267

Electro-Fusion Welding

ROFUSE Sani 160



ROFUSE 400 TURBO



ROFUSE 1200 TURBO



Suited for:	PE, PP	PE, PP	PE, PP
Outer diameter:	up to Ø 160 mm	up to Ø 400 mm	up to Ø 1200 mm**
Socket type:	Sockets for pressureless systems	Sockets for pressure sewer systems	Sockets for pressure sewer systems
Voltage:	230 V	8 - 48 V	8 - 48 V
Documentation:	–	✓	✓
Page	271	272	272

Plastic Pipe Welding

System Overview

Cutting

ROCUT® XL 315



ROCUT® UKS 160 / 355



Socket Welding

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	up to Ø 160 mm	up to Ø 400 mm
Wall thickness:	up to max. 18 mm	up to max. 40 mm	32 - 63 mm	16 - 125 mm
Operation mode:	manual	manual	manual	electric
Function:	Cutting	Cutting	Socket welding	Socket welding
Page	266	266	268	267

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	274, 275	276, 277	278, 279

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
Page	270	270

Plastic Pipe Welding

Cutting

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) / (No. 55037) includes: ROCUT® 110 (No. 55020), internal deburrer (No. 55018), clamping set 50, 75 and 110 mm, with standard cutter blade shaft and cutter blade insert (No. 55029), cutter wheel (No. 54950) (for sound-insulated pipes), plastic carrying case (No. 55016), with Set (No. 55037) is No. 55029 not included



No. 55063

ROCUT® 160 Set (No. 55063) includes: ROCUT® 160 (No. 55030), internal deburrer (No. 55018), 2 clamping sets, cutter blade shaft with copying and, HM cutter blade insert (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		No.
ROCUT® 110 set	50, 75, 110	3.9	55035
ROCUT® 110 set for sound-insulated pipes	58, 78, 110	3.9	55037

Model	Working range Ø mm		No.
ROCUT® 160 set	110, 125, 160	5.6	55063

ACCESSORIES

Model		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  265



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)

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



No. 55020

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*	78	180	55062
Clamping set*	75	210	55022
Clamping set*	63	220	55023
Clamping set*	58	230	55013
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)

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

ROCUT® 160 with cutter blade



No. 55030

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

Cutter Wheels

ROCUT® 110 and ROCUT® 160



No. 54950

No. 055053D

No. 055054D

No. 055074D

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

Plastic Pipe Welding

Cutting

ROCUT® UKS 160 / 355

High-performance orbital circular saw Ø 160 - 355 mm

Product Profile	
APPLICATION AREA	
For cutting of plastic pipes made of PE, PP and PVC For use on the building site or in the workshop	
KEY FEATURES	
<ul style="list-style-type: none"> 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

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



Saw blade guard

Safe operation

Central
clamping

Optimum
pipe centring



No. 55505



Rubberised guide rollers

Right-angled cuts with
no misalignment

Model	kg	No.
ROCUT® UKS 160 / 355, complete with	12.9	1000000532
HM saw blade (No. 55505), without transport box		
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	

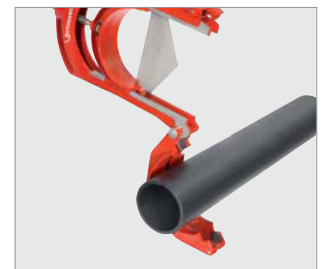
KEY FEATURES	
<ul style="list-style-type: none"> Can be easily adjusted anywhere at the pipe Robust blade made of stainless steel 	



An optimised cutting angle for easier
pipe cutting





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



Replacement blade

Scope of delivery: 1 replacement blade + fastening screws

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

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

Plastic Pipe Welding

Socket Welding



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

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

Plastic Pipe Welding

Socket Welding

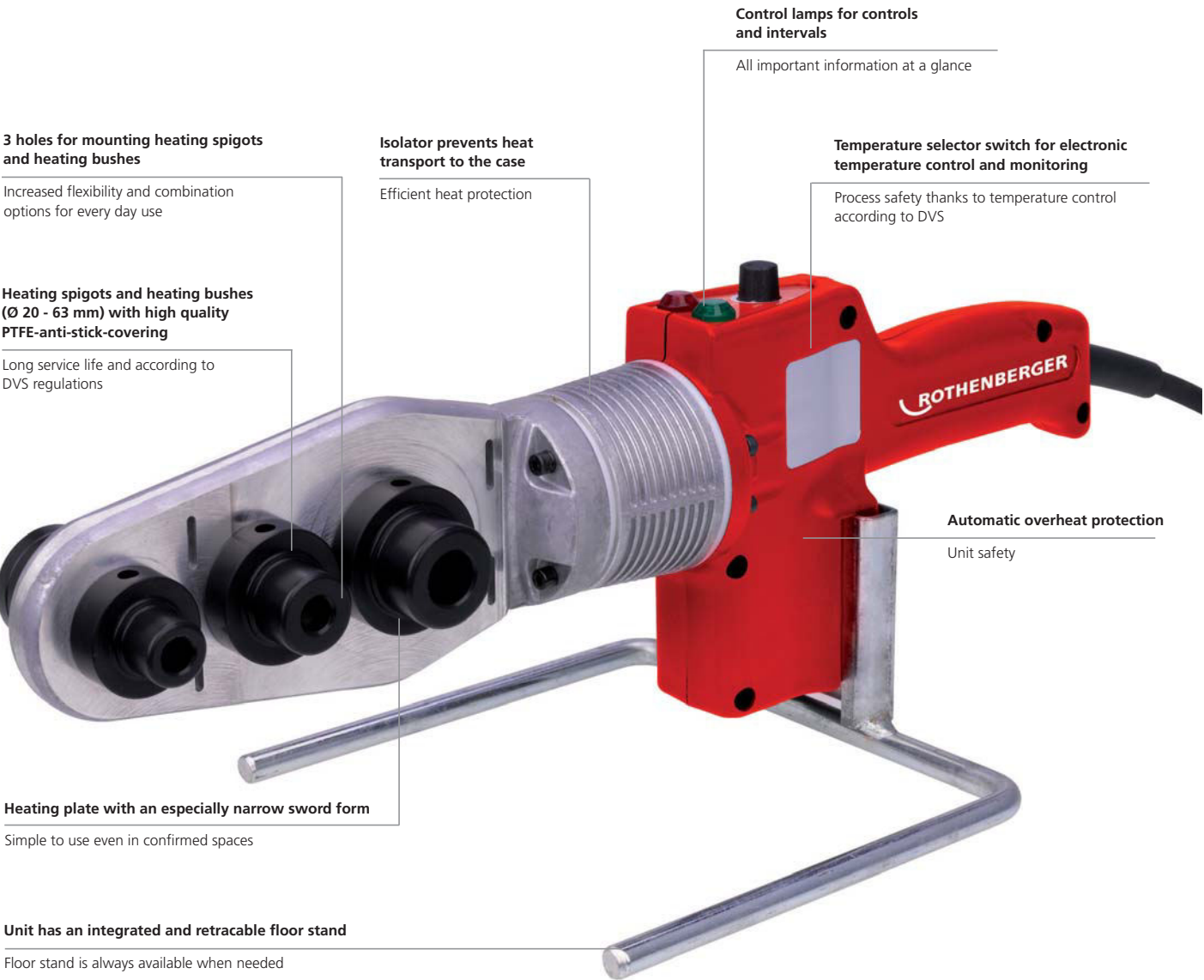
ROWELD® P 63 S-6 Sword

Socket welding unit Ø 20 - 63 mm



Product Profile
APPLICATION AREA
Socket welding unit for use with heating spigots and heating sockets Ø 20 - 63 mm with three simultaneously usable combinations for welding sockets, pipes and fittings up to Ø 63 mm
KEY FEATURES
<ul style="list-style-type: none">● 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
<ul style="list-style-type: none">● 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



3 holes for mounting heating spigots and heating bushes

Increased flexibility and combination options for every day use

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

Long service life and according to DVS regulations

Isolator prevents heat transport to the case

Efficient heat protection

Control lamps for controls and intervals

All important information at a glance

Temperature selector switch for electronic temperature control and monitoring

Process safety thanks to temperature control according to DVS

Automatic overheating 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

Plastic Pipe Welding

Socket Welding

ROWELD® P 63 S-6 Sword Set


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



Fig. P 63 S-6, electronically controlled

Model	Working range Ø mm	Control watts	Description		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		No.
20	80	53511
25	100	53512
32	170	53513

Working range Ø mm		No.
40	260	53514
50	370	53515
63	600	53516

Plastic Pipe Welding

Hot Gas Welding

ROWELD® Quick S / WG 1600 E



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: heating element with electronic temperature control



No. 55760



No. 55780

Model		230 V 50 / 60 Hz
ROWELD® Quick S complete with 5 mm tubular nozzle (No. 55769)	1.4	55760

Model		230 V 50 / 60 Hz
ROWELD® WG 1600 E complete with 5 mm tubular nozzle (No. 55769)	700	55780

Nozzles and Accessories for Quick S and WG 1600E



Model	Part-No.			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
Shrinkage reflector	7		60	55783

Model	Part-No.		No.
Pressure roller, 45 mm for overlap welding of sheets	8	210	55816
Universal scraper set for preparing welded seams (consisting of handle, triangular, heart and multi-shaped blades)	9	210	53380
Phillips screwdriver for nozzle mounting	10	40	73152
Heating plate 1,500 Watt	11	80	55800
Spare carbon (1set = 2 pcs.) for Quick S		10	55793
Reinforced plastic pipe 3 m (f. WG 1600 E)	12	350	55782
Steel case for ROWELD® HG 1600 E		4,400	55799

Plastic Pipe Welding

Electro-Fusion Welding

ROWELD® ROFUSE Sani 160

Universal electro-fusion welding unit for drainage pipe with welding sockets up to Ø 160 mm



Product Profile

APPLICATION AREA

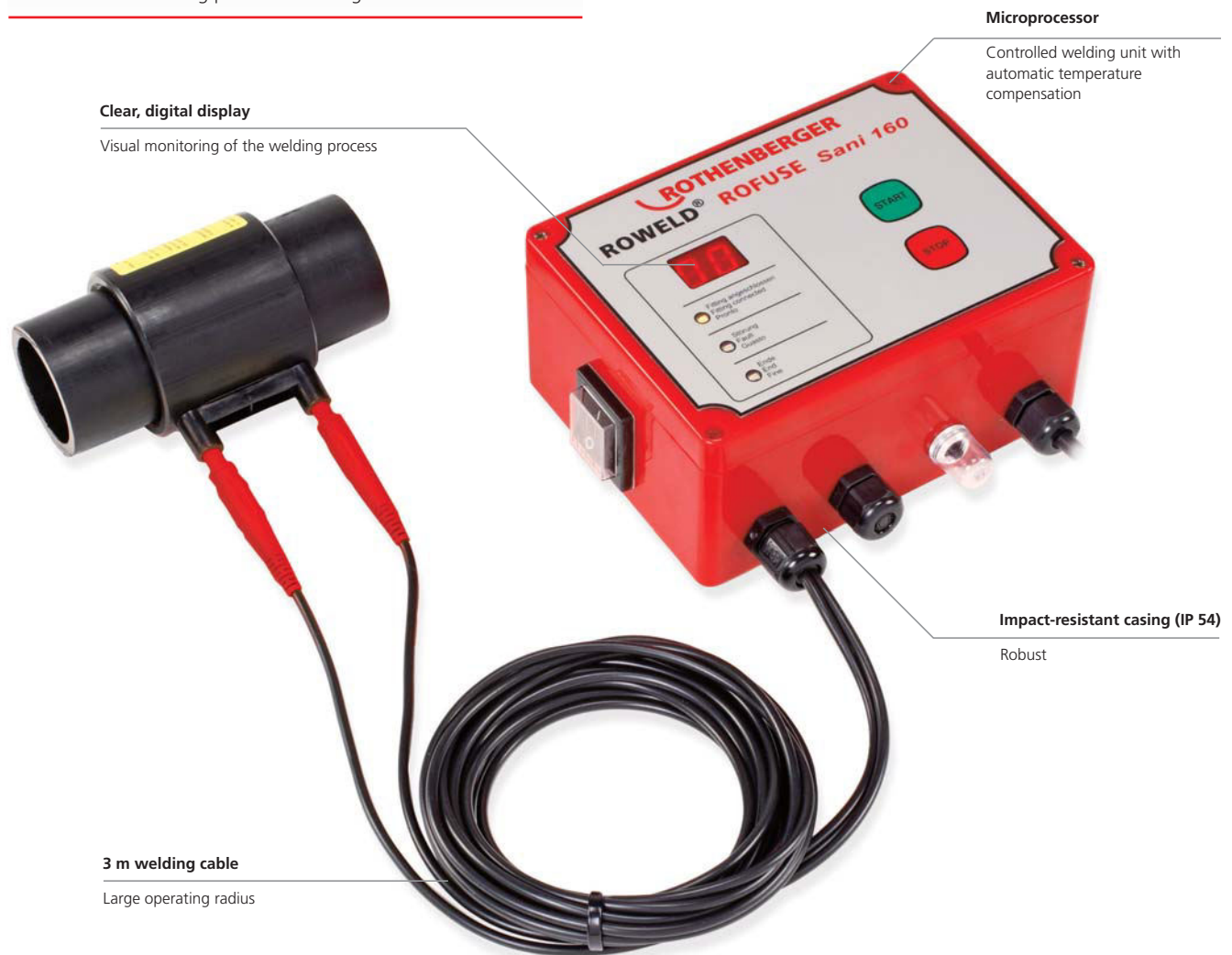
Universal electro-fusion welding unit for PE and PP drainage pipe fittings, for 230 V fittings. For the following makes: Geberit, Akatherm-EUR, Coes, Valsir, WAVIN-Duo, Aquatherm and Vulcathene-Euro

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

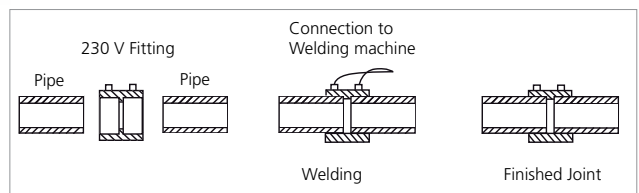
Input Voltage:	230 V
Tolerance:	180 V - 280 V
Frequency:	40 Hz - 70 Hz
Output voltage:	230 V
Protection class:	IP 54
Temperature range:	-5 °C up to + 40 °C
Max. Output current:	5 A
Weight:	1.4 kg
Dimensions:	120 x 160 x 77 mm
Welding cable:	3 m



Carrying bag



Easy to transport



Model



No.

ROWELD® ROFUSE Sani 160 with carrying bag

1.4

54230

Electro-Fusion Welding

ROFUSE 400/1200 TURBO

Universal electrofusion welding units for PE- and PP-fittings up to 400 and up to 1200 mm diameter.

Product Profile

KEY FEATURES

- **Safety:** The Heat-Control (HC) function evaluates based on ambient temperature, device temperature and fitting and checks if the next fitting can be welded completely. This process is fully automated and indicated through a green or a red light shown on the display. This prevents any emergency shut-off of the unit due to overheating.
- **Performance:** Due to the Active-Cooling (AC) function, the unit is ideally fitted for continuous use since the heat removal is maximised by the installed ventilator.
- **Complete solution:** All cables are securely stowed away inside the robust housing. The housing also offers sufficient space for accessories, tools or fittings.
- **Professional Documentation:** All saved welding sequences can be transferred to a computer with a USB drive. From the computer the data can be archived and printed using the read out programme "RODATA 2.0".
- **Barcode Generator:** „RODATA 2.0“ offers also the possibility to encrypt the name of the welder and the name of the construction site as a barcode. This barcode can then be scanned at the job site.

TECHNICAL DATA:

Mains Voltage:	230 V
Frequency:	50 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 1200 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)	



Model	 g	No.
ROFUSE 400 TURBO	21.5	1000000999

Model	 g	No.
ROFUSE 1200 TURBO	21.5	1000001000

Peeling device for electric socket welding

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



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

Squeezing device

- **Mechanical:**

Range of use from Ø 32 - Ø 63 mm.
To avoid damage to the squeezed area, distance plates can be adjusted on the side.

- **Hydraulic:**

Range of use from Ø 75 - Ø 225 mm.
Functions as mentioned above.
With this unit you can reform squeezed pipes with the help of the rounding shells.



Description	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 the pipe before and during the welding cycle.

Description	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	110 mm	53257
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 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.

Description	Ø	No.
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

Plastic Pipe Welding

Butt Welding

ROWELD® P 110

Plastic pipe welding machine Ø 20 - 110 mm



Product Profile
APPLICATION AREA For butt welding of pipes and fittings made of PE, PP, PB and PVDF. Particularly suited for installation work and for work in confined spaces - also in pipe networks
KEY FEATURES <ul style="list-style-type: none"> ● Production of segmented bends possible ● Precise pressure adjustment ● Single and double-sided trimming possible

KEY FEATURES
<ul style="list-style-type: none"> ● 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

Mechanical stop adjustable from both sides

Single and double-sided trimming possible

Hardened, chrome-plated guide shafts

Absolutely warp-resistant

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

Secure hold and simple axial pipe alignment

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

Segmented bends can be produced

Direct force transmission and clear force scale

Precise pressure adjustment

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	230 V 50/60 Hz	110/115 V 50/60 Hz
ROWELD® P 110 complete	40, 50, 56, 63, 75, 90, 110	electronically	43	55924

Plastic Pipe Welding

Butt Welding

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 Watt

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



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



Plastic Pipe Welding

Butt Welding

ROWELD® P 160 SANILINE

Plastic sanitary pipe welding machine from Ø 40 - 160 mm



Product Profile

APPLICATION AREA

For butt welding of PP, PB and PVDF pipes and fittings, especially suitable for 45° branches and tight elbows. For use on building sites or in the workshop

KEY FEATURES

- Versatile for difficult situations with the removable heating plates
- Secure clamping of pipes, fittings, tight 45° branches and 90° elbows
- Protects against unintentional starting and derailing of the trimmer unit
- Precise pressure adjustment

KEY FEATURES

- Minimum drag force
- 40% higher stability with simultaneously optimised force distribution
- All common sanitary installation fittings can be clamped

TECHNICAL DATA

Pipe diameter:	Ø 40 - 110 mm (SDR 41 - 7.25)
	Ø 40 - 140 mm (SDR 41 - 11)
	Ø 40 - 160 mm (SDR 41 - 17.6)
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

The pressure applied can be adjusted separately on both sides

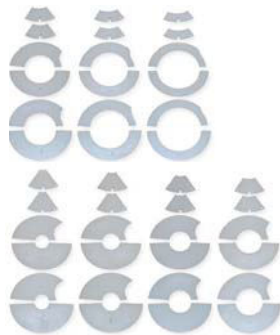
One-sided and two-sided milling is possible

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		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

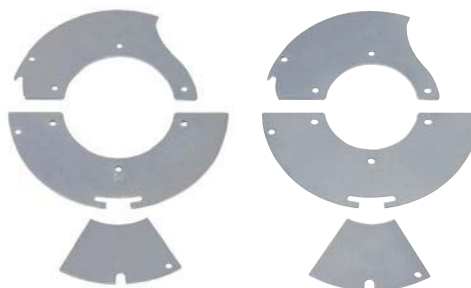
Model		230 V 50 Hz	110/115 V 50 Hz
ROWELD® P 160 SANILINE Basic machine	34.4	54005	54006



Reducer Clamping Inserts


Set includes: Reducer inserts (4 half-shells), pipe supports

Nominal size		No.	Nominal size		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

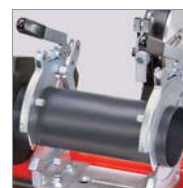
Model		No.
Trimmer attachment for 45° branches Ø 40 - 75 mm	0.63	54040



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		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

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		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
Steel 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. 54080

No. 54015

Plastic Pipe Welding

Butt Welding

ROWELD® P 250 A

Plastic pipe welding machine Ø 40 - 250 mm



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
<ul style="list-style-type: none">● 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
<ul style="list-style-type: none">● 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:
Trimmer unit:
Heating plate:
36.4 kg
450 W
1,200 W

Electric, high-torque safety trimmer unit (450 watt)
locks into place in the working position

Protects against unintentional starting and derailing
of the trimmer unit

Removable heating plate

Versatile for difficult situations

Mechanical stop adjustable
from both sides

Single and double-sided
trimming possible


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

Reliable, warp-resistant transfer of
the welding pressure

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

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



Model	Working range Ø mm	Temperature control		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	electronic	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

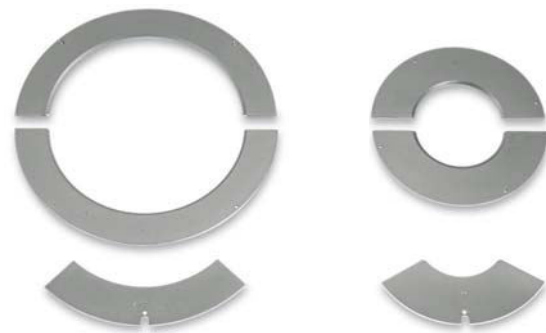
mm	kg	No.	mm	kg	No.
160	7.25	55742	250	10.10	55717



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 Watt

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






No. 55317 / No. 55854

Plastic Pipe Welding

Butt Welding

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...			
	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 - 1200 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		
Description	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 -1200 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

Description	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"



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, further 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 in accordance to DVS
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

Description	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"

SA = semi-automatic
VA = fully automatic



Set P 355 B
No. 1000000563

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, further 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 in accordance to DVS
Logging:	in accordance to DVS
Welding standards:	DVS, further standards available upon request, manual entry of welding parameters is possible
With CNC Funktion:	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)

Plastic Pipe Welding

Butt Welding

ROWELD® P 315 W / P 315 W CNC

Heating plate butt welding machine Ø 90 - 315 mm



Product Profile	
APPLICATION AREA	
<ul style="list-style-type: none"> ● 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



Product Profile	
APPLICATION AREA	
For plastic pipe welding of PE and PP pipes.	
KEY FEATURES	
<ul style="list-style-type: none"> ● 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

Description	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

Description	Welding material	Welding performance	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	



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

Description	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

ONE of 6.000

Premium tools for
professionals!



Refrigeration & Air Conditioning Technology

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Do you want to
know more about
our products?
Please scan the
QR-Code!

Complete Solutions

ROKLIMA® MULTI 4F



ROCADDY 120



ROCADDY 120 Digital



Refrigerants class A1: (R134a, R410A etc.)	✓	✓	✓
Refrigerants class A2: (R32, R1234yf etc.)	–	✓ *	✓ *
CO2 subcritical (R744):	–	–	✓
System Size:	< 24 kW	< 24 kW	< 24 kW

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Refrigeration Circuit Control

ROCOOL 600



**2- and 4-Ways
Manifold
Connection 5/16"**



**2- and 4-Ways
Manifold
Connection 1/4"**



Pressure Hoses



Refrigerants class A1: (R134a, R410A etc.)	✓	✓	✓	✓
Refrigerants class A2: (R32, R1234yf etc.)	✓	✓	–	✓
CO ₂ subcritical (R744):	✓	–	–	✓
System Size:	all	all	all	all

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Refrigeration & Air-Conditioning Technology

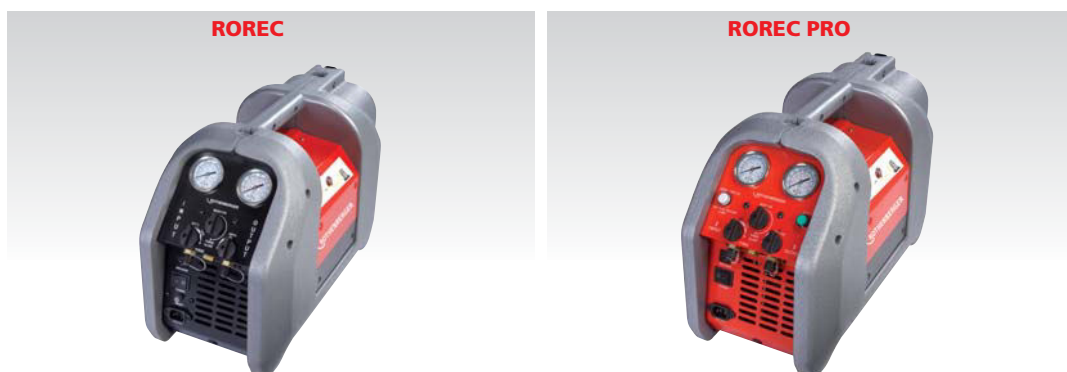
System Overview

Evacuation



Refrigerants class A1: (R134a, R410A etc.)	✓	✓	✓	✓	✓
Refrigerants class A2: (R32, R1234yf etc.)	–	–	–	✓	–
CO2 subcritical (R744):	✓	✓	✓	✓	✓
System Size:	< 24 kW	< 74 kW	< 123 kW	< 123 kW	≥ 123 kW
Page	296, 297	296, 297	296, 297	296, 297	296, 297

Recovery



Refrigeration class A1: (R134a, R410A etc.)	✓	✓
Refrigeration class A2: (R32, R1234yf etc.)	–	–
CO2 subcritical (R744):	–	–
System Size:	< 24 kW	all
Page	298	299

Refrigeration & Air-Conditioning Technology

Complete Solutions

ROKLIMA® MULTI 4F

Fully automatic commissioning and maintenance of air-conditioning units and heat pumps

The innovative unit enables safe and comfortable operation on refrigeration systems. With simple menu navigation, **4 functions (4F)** are automatically controlled



R410A R22 R134a R407C R404A

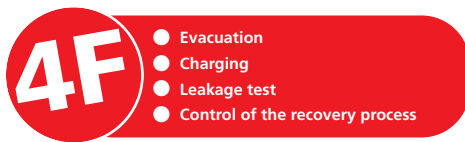
Product Profile

KEY FEATURES

- Pressure resistance up to 80 bar guarantees full use with heat pumps
- Everything you need within reach
- Simple menu guidance guarantees appropriate use
- Fully-automatic 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



Interactive 16-digit display with 4 function buttons

All required parameters can be easily entered

Sturdy, compact metal casing

Protects all components such as vacuum pump and scale

Integrated high vacuum pump with 42 l/min suction performance

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

3 different pressure gauges "Pulse-free", class 1.6, 80 mm

Universal use on air-conditioning units with all common refrigerants and operation in the high pressure range with R410A

2 pressure hoses (2,500 mm) from the series "Plus" with ball valve

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

Plastic capillary hose

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



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



Secure storage of all accessories



Pressure hoses: 2.5 m long with shut-off valve

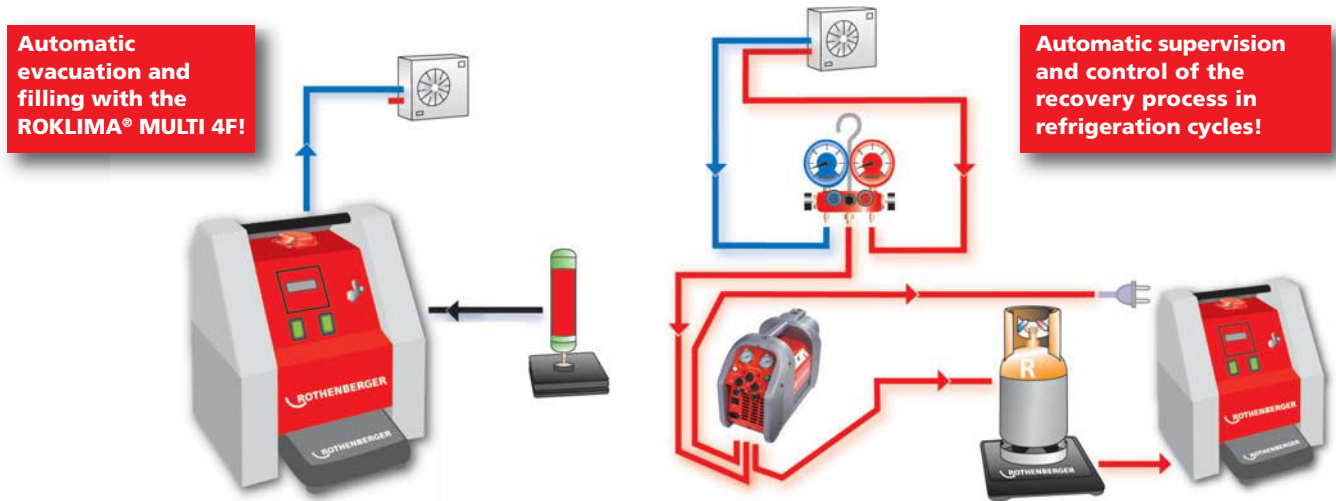


Bottle adaptor No. 173204 / 05 for scale and 1/4" reducing pieces



Refrigeration & Air-Conditioning Technology

Complete Solutions



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 - 5/16" SAE (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



Refrigeration & Air-Conditioning Technology

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. 77 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

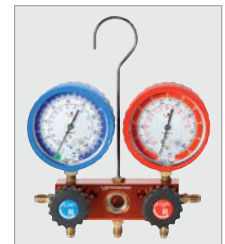
Electronic digital scale up to 120 kg with high measurement precision

Precise weighing of refrigerants

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)


Mini tube cutter and pipe cutter


For cutting Ø 6- 35 mm pipes to length

13

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)

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 				No.
R410A	R22	R134a	R407C	R404A	
ROCADDY 120 with 2 analogue manifolds			42 l / min	19	1000000057

Model	Performance 					No.
R410A	R22	R134a	R407C	R404A	R507	
ROCADDY 120 Digital			42 l / min	18	1000000058	
with digital manifold						

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 70 refrigerants incl. 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

Connection for the temperature sensor T2

For automatic measurement of subcool data

Green and red LEDs

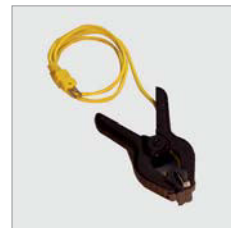
An optical signal is displayed once an adequate vacuum level is reached or leakage in the system and also a warning of overpressure

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

Refrigeration & Air-Conditioning Technology

Refrigeration Circuit Control

Analogue Manifolds

2- and 4-way manifolds

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

Easy-to-read, high precision display

Large hand valve with colour coding

Light, secure and precise opening and closing of the diaphragm valve, maintenance free

Valve sets



Model	ND*/bar	HD*/bar	kg	No.
R22	R134a	R407C	R404A	
2-way, 1/4" SAE	-1 up to 17	0 up to 34	0.7	1 170501
4-way, 1/4" SAE	-1 up to 17	0 up to 34	0.9	1 170502
R410A	R32			
2-way, 5/16" SAE	-1 up to 30	0 up to 60	0.7	1 1000001426
4-way, 5/16" SAE	-1 up to 30	0 up to 60	0.9	1 1000001427

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



Pressure gauge with shock-proof rubber protector

Protects against damage

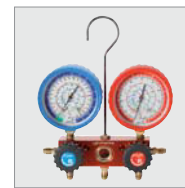
Valve body made of aluminium with gauge glass

Sturdy despite low weight

Manifold Blister



2-way 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

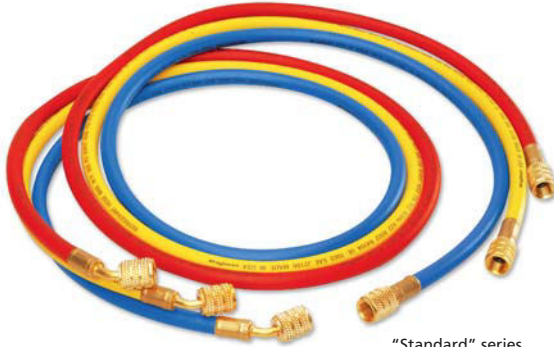
Available in "Standard" and "Plus"



Product Profile

KEY FEATURES

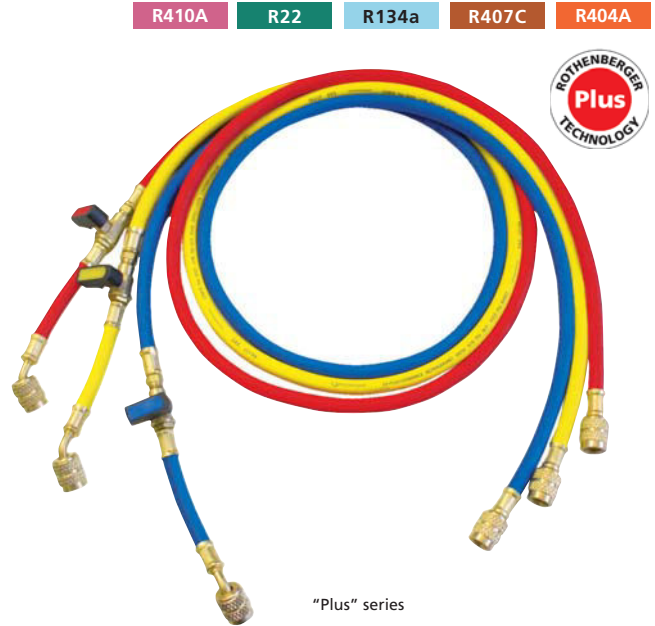
- No confusion and safe use with the colour coding (blue, red, yellow)
- Teflon seal with up to 10x longer service life compared to neoprene seal
- Working pressure 60 bar / burst pressure 300 bar. This is an 8 % better pressure resistance as previously



"Standard" series

Pressure hose from the series "Standard"

Model	Connection	L mm	kg	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



"Plus" series

Pressure hose from the series "Plus" with ball valve

Model	Connection	L mm	kg	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	kg	No.
Tool Set Climate I	2.3	1	170604
Tool set Climate II	2.4	1	170605

R22 **R134a** **R407C** **R404A**



The ideal introduction into a whole new area of business!



No. 170604

Refrigeration & Air-Conditioning Technology

Leak Testing & Locating

Nitrogen Set

Multiple uses for refrigeration systems



Product Profile
APPLICATION AREA
<ul style="list-style-type: none"> ● 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!



Connection for large bottles
Any size of bottle can be connected without a problem

Spring loaded pressure reducing valve
Simple and safe handling

950 cm³ nitrogen bottle included
Complete set

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

Refrigeration & Air-Conditioning Technology

Leak Testing & Locating

RO-LEAK

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



R410A R22 R134a R407C R404A R507A

Product Profile
KEY FEATURES
<ul style="list-style-type: none">● 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

30 cm long, flexible sensor
Easy access in hard-to-reach places

7 LEDs
Simple determination of the refrigerant concentrate with the coloured shading

7 different sensitivity levels
Exact and fast location of the leak

RESET - button
Adjusts to the sensor tip zero point setting for simple leak location

Suitable for all common CFC, HFC and HCFC!



No. 87305

Scope of delivery (No. 87305) Leak detection unit RO-LEAK, spare sensor, battery charger, battery

Model	No.
RO-LEAK set with spare sensor and battery charger in plastic case	87305
Spare sensor	87309

RO-LEAK in use



Refrigeration & Air-Conditioning Technology

Evacuation

ROAIRVAC

Two-stage vacuum pump

For evacuation in accordance with **DIN 8975** with vacuum gauge and solenoid valve



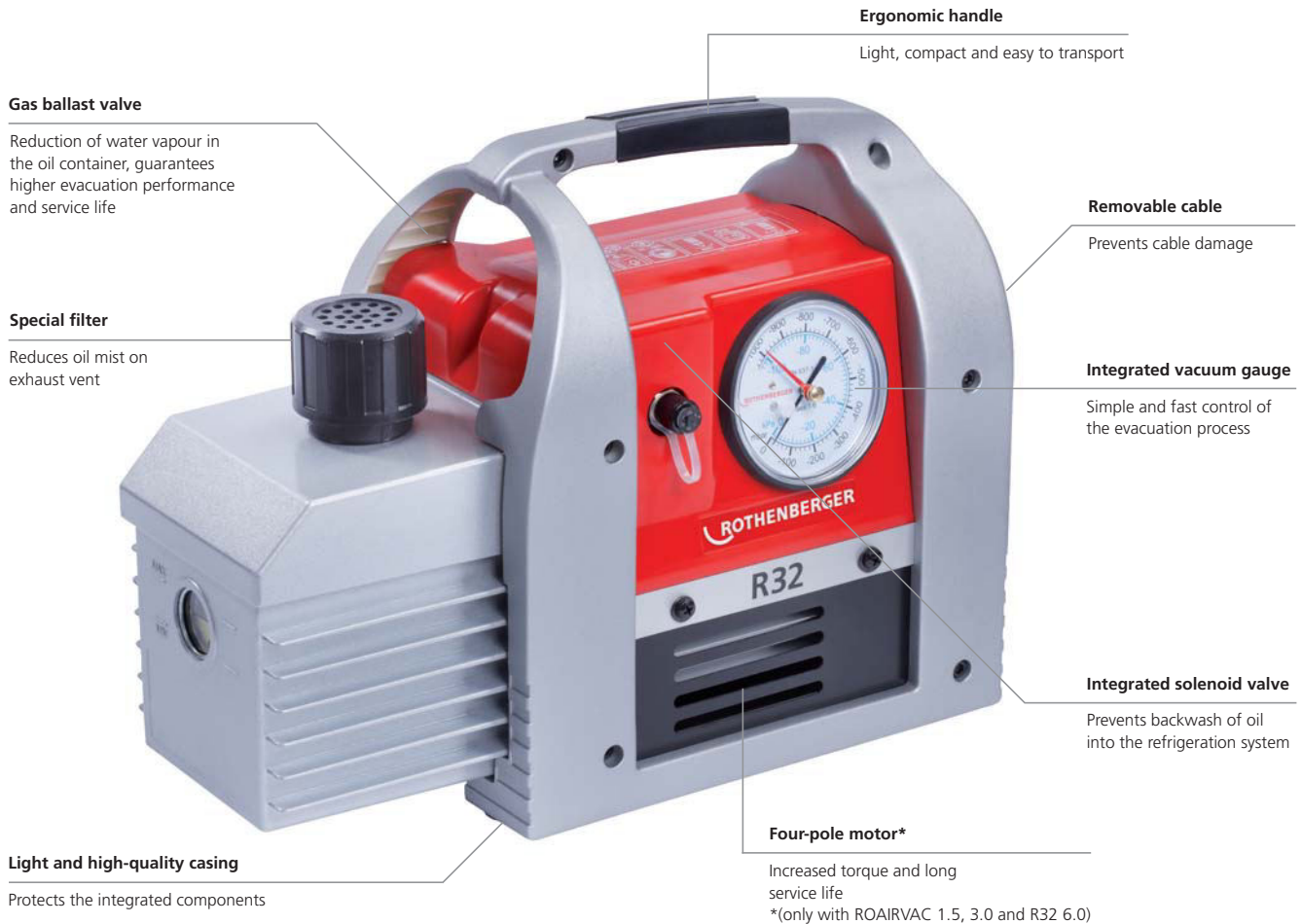
Product Profile

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



13

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



Refrigeration & Air-Conditioning Technology

Evacuation

ROAIRVAC Serie

Two-stage rotary vane pump for evacuation
in accordance with DIN 8975

Type	ROAIRVAC 1.5	ROAIRVAC 3.0	ROAIRVAC 6.0	ROAIRVAC R32 6.0	ROAIRVAC 9.0
No.	170061	170062	170063	1000001231	170064
Pump rating	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
Unit	mbar / Mpa	mbar / Mpa	mbar / Mpa	mbar / Mpa	mbar



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 Liter			169200

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



Refrigeration & Air-Conditioning Technology

Recovery & Filling

ROREC

Refrigerant recovery device

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



Product Profile

KEY FEATURES

- 4-pole motor guarantees the durability of the machine
- Low noise and vibration emission thanks to the compact design
- Intuitive handling makes it simple and safe to use
- Maintenance-free operation through the oil-free compressor
- Emptying of the device in order to work with different refrigerants with the PURGE function
- Simple transport and use with the light and compact plastic casing

TECHNICAL DATA

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!

Integrated high pressure switch

Protects the integrated components

PURGE function

Emptying of refrigerant residue in the unit (self-cleaning mode)

Simple use

Controlled dosage of the refrigerant supply

RESET Button

Reset of the pressure shut-off

Removable cable

Prevents cable damage

Oil-free compressor

Maintenance-free operation

Thermal switch

Protects the unit from overheating

Light and compact plastic casing

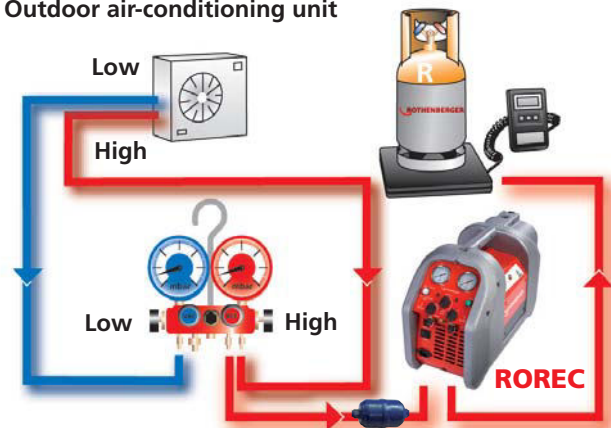
Simple transport and use

4-pole motor

Increased torque and service life

Recovery of Refrigerant

Exemplary: Outdoor air-conditioning unit



Simple and precise reading with the glycol filled pressure gauge



Practical storage compartment for accessories on the back



Model	Connected Load	kg	No.	No.
ROREC	370 W	17.0	1	168605
Filter		0.12	1	168713

Refrigeration & Air-Conditioning Technology

Recovery & Filling

ROREC PRO

Refrigerant recovery device

Compact, portable device for recovery of halogenated refrigerants of every kind



Product Profile

KEY FEATURES

- Maintenance free operation with the oil-free 2-piston compressor
- 4-pole motor guarantees the durability of the machine
- Automatic shut-off after the evacuation process is finished
- Low-noise and vibration emission thanks to the compact design
- Intuitive handling makes it simple and safe to use
- 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 type CFC-HCFC-HFC
Capacity:	gaseous: 0.52 kg / min
	fluid: 3.70 kg / min
	Push/Pull: 9.95 kg / min
Electrical Data:	230 V / 50 - 60Hz
Power:	730 W
High pressure switch:	38.5 bar
Dimensions:	490 x 244 x 353 mm
Weight:	19 kg

Also ideal for large facilities!

Control lamp

When green: Process is over - unit will turn off automatically
When red: The system pressure is too high - unit will turn off automatically

Simple use

Controlled dosage of the refrigerant supply

PURGE function

Emptying of refrigerant residue in the unit (self-cleaning mode)

Removable cable

Prevents cable damage

Oil-free 2-piston compressor

Very high suction performance with maintenance free operation

Thermal switch

Protects the unit from overheating

Light and compact plastic casing

Simple transport and use

4-pole motor

Increased torque and service life

Simple and precise reading with the glycol filled pressure gauge



Practical storage compartment for accessories on the back



ROREC PRO in use



Model	Connected Load	kg	No.
ROREC PRO	730 W	19.0	1 168606
Filter		0.12	1 168713

Refrigeration & Air-Conditioning Technology

Recovery & Filling

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



13

Model		No.
R407C Refrigerant R407C in cardboard packaging		
1 steel bottle 1/4" SAE	1 12	170913
2 steel bottle 1/4" SAE	1 6	170931
R410A Refrigerant R410A in cardboard packaging		
1 steel bottle 5/16" SAE	1 12	170912
2 steel bottle 5/16" SAE	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	<ul style="list-style-type: none">● 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	<p>Weight capacity: 120 kg or 264 lbs</p> <p>Accuracy: +/- 0,5%</p> <p>Resolution: 5 g / 0,2 oz.</p> <p>Working temperature: -10° C up to +49° C / 14 up to +120° F</p> <p>Connection: 1/4" SAE for 1-2 lit. bottles</p> <p>Battery: 9 V</p> <p>Platform size: 230 x 230 x 53 mm</p> <p>Weight: 3.28 kg</p>



Scope of delivery: ROSCALE 120, 9 V battery, carrying case

Model		No.
ROSCALE 120	3.28	173004



ROSCALE 120 in carrying case

Refrigeration & Air-Conditioning Technology

Accessories

SANIFRESH



Disinfecting and 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



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**



**Fix with torque
urgently necessary!**

8 piece set (No. 1750.01) 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		No.
Torque wrench set, 7 piece	3.5	175001

13



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	L 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	Dimension	No.
Plate fin comb	8 - 9 - 10 - 12 - 14 - 15 mm	224500



Refrigeration & Air-Conditioning Technology

General instructions for the use of Refrigerants

Refrigerant data from CFC-alternative refrigerants

Refrigerant	Composition	ODP	GWP	Temperature glide
R22 (HFC-CFC refrigerant)	CHCLF2	0.05	1,700	–
R134a (HFC chlorine-free refrigerant)	CF3CH2F	0	1,300	–
R32 (HFC chlorine-free refrigerant)	CH2F2	0	580	–
R404A (HFC chlorine-free blends)	52% R143a, 44% R125, 4% R134a	0	3,750	–
R507 (HFC chlorine-free blends)	50% R143a, 50% R125	0	3,800	–
R407C (HFC chlorine-free blends)	23% R32, 25% R125, 52% R134a	0	1,610	7.5K
R410A (HFC 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 Vacuum
10	7,516	7.5	752
5	3,759	3.6	756
2	1,503	1.5	758
1	752	0.75	759
0.5	376	0.36	
0.4	300	0.30	
0.3	225	0.23	
0.2	150	0.15	
0.1	75	0.08	
0.09	68		
0.07	53		
0.06	45		
0.05	38		
0.04	30		
0.03	22		
0.02	15		
0.01	8		

Conversion table temperature

Conversion from °C in °F: $^{\circ}\text{C} \times 1.8 + 32 = ^{\circ}\text{F}$

Conversion from °F in °C: $(^{\circ}\text{F} - 32) : 1.8 = ^{\circ}\text{C}$

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

Common threads

UNF-Thread	SAE-Thread	Outer diameter (max. mm)	Internal diameter (min mm)	Threads 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
1 1/16" - 14	—	26.947	25.024	14	1.814
1 1/8" - 12	—	28.529	26.284	12	2.117
1 1/4" - 12	7/8"	31.704	29.459	12	2.117
1 3/8" - 12	—	34.877	32.634	12	2.117
1 1/2" - 12	1	38.052	35.809	12	2.117

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**Premium tools for
professionals!**





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General Purpose Tools

System overview

ROGRIP Pliers

	ROGRIP M 7"	ROGRIP M 10"	ROGRIP F 7"	ROGRIP F 10"	ROGRIP S 7"
Working Area:	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:	175 mm (7")	240 mm (10")	175 mm (7")	240 mm (10")	175 mm (7")
Weight:	280 g	460 g	280 g	460 g	280 g
Material:	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel
Page	312	312	312	312	312

ROGRIP Pliers

	ROGRIP S 10"	ROGRIP XL	Wapu Typ SP 7"	Wapu Typ SP 10"	Wapu Typ SP 12"
Working Area:	Ø 43 mm (1.1/4")	Ø 102 mm (3.1/2")	Ø 34 mm (1")	Ø 43 mm (1.1/4")	Ø 48 mm (1.1/2")
Length:	175 mm (7")	440 mm (16")	175 mm (7")	250 mm (10")	300 mm (12")
Weight:	280 g	1.400 g	150 g	290 g	460 g
Material:	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel
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Water Pump Pliers

Water Pump Pliers

	Wapu Typ SPK 7"	Wapu Typ SPK 10"	Wapu Typ SPK 12"	Corner Pipe Wrench 45° "Super S", 10"	Corner Pipe Wrench 45° "Super S", 12"
Working Area:	z	Ø 48 mm (1.1/2")	Ø 22 mm (1/2")	Ø 34 mm (1")	
Length:	175 mm (7")	250 mm (10")	300 (12")	250 mm (10")	300 mm (12")
Weight:	165 g	315 g	475 g	400 g	810 g
Material:	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel
Page	315	315	315	317	317

Corner Pipe Wrenches

Corner Pipe Wrenches / 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 Area:	Ø 48 mm (1.1/2")	Ø 60 mm (2")	Ø 89 mm (3")	Ø 22 mm (1/2")	Ø 34 mm (1")
Length:	420 mm (16")	540 mm (20")	640 mm (24")	250 mm (10")	300 mm (12")
Weight:	1.440 g	2.440 g	3.400 g	370 g	740 g
Material:	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel
Page	317	317	317	317	317

Corner Pipe Wrenches 45°

Corner Pipe Wrench 45°, 16"



Corner Pipe Wrench 45°, 20"



Pipe Wrenches 90°

Pipe Wrench 90°, 12"



Pipe Wrench 90°, 16"



Pipe Wrench 90°, 20"



Working Area:	Ø 48 mm (1.1/2")	Ø 60 mm (2")	Ø 34 mm (1")	Ø 48 mm (1.1/2")	Ø 60 mm (2")
Length:	420 mm (16")	540 mm (20")	300 (12")	420 mm (16")	540 mm (20")
Weight:	1.340 g	2.400 g	740 g	1.340 g	2.400 g
Material:	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel	Chrome Vanadium Steel
Page	317	317	317	317	317

Pipe Wrenches

Pipe Wrench 90°, 24"



Pipe Wrench 90°, 36"



One-Handed Pipe Wrenches "HEAVY DUTY"

HEAVY DUTY 8"



HEAVY DUTY 10"



HEAVY DUTY 12"



Working Area:	Ø 89 mm (3")	Ø 114 mm (4")	Ø 22mm (1/2")	Ø 48 mm (1.1/2")	Ø 60 mm (2")
Length:	640 mm (24")	750 mm (36")	200 mm (8")	250 mm (10")	300 mm (12")
Weight:	3.400 g	5.600 g	400 g	780 g	1.250 g
Material:	Chrome Vanadium Steel	Chrome Vanadium Steel	Monoblock-Cast Body	Monoblock-Cast Body	Monoblock-Cast Body
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General Purpose Tools

System overview

One-Handed Pipe Wrench "HEAVY DUTY"



Working Area:	Ø 60 mm (2")	Ø 73 mm (2.1/2")	Ø 89mm (3")	Ø 141 mm (5")	Ø 168 mm (6")
Length:	350 mm (14")	450 mm (18")	600 mm (24")	900 mm (36")	1.200 mm (48")
Weight:	1.680 g	2.670 g	4.320 g	7.920 g	15.800 g
Material:	Monoblock Cast Body	Monoblock Cast Body	Monoblock Cast Body	Monoblock Cast Body	Monoblock Cast Body

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One-Handed Pipe Wrench "ALUDUR"



Working Area:	Ø 48 mm (1.1/2")	Ø 60mm (2")	Ø 73 mm (2.1/2")	Ø 89 mm (3")	Ø 141 mm (5")
Length:	250 mm (10")	350 mm (14")	450 mm (18")	600 mm (24")	900 mm (36")
Weight:	480 g	990 g	1.630 g	2.510 g	5.000 g
Material:	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium

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One-Handed Pipe Wrench "ALUDUR"



Working Area:	Ø 168 mm (6")	Ø 27 mm (3/4")	Ø 34 mm (1")	Ø 43 mm (1.1/4")	Ø 48 mm (1.1/2")
Lengt:	1.200 mm (48")	200 mm (8")	250 mm (10")	300 mm (12")	350 mm (14")
Weight:	8.420 g	280 g	590 g	790 g	1.040 g
Material:	Aluminium	Steel, drop forged	Steel, drop forged	Steel, drop forged	Steel, drop forged

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One-Handed Pipe Wrench "STILLSON"



Working Area:	Ø 60 mm (2")	Ø 73 mm (2.1/2")	Ø 102 mm (3.1/2")
Length:	450 mm (18")	600 mm (24")	900 mm (36")
Weight:	1.820 g	3.080 g	5.690 g
Material:	Steel, drop forged	Steel, drop forged	Steel, drop forged

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General Purpose Tools

Pliers

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

ROTHENBERGER
Curve-Shape-Design

Especially ergonomic for larger pipe diameters. Reduces the danger of fingers getting clamped

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

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

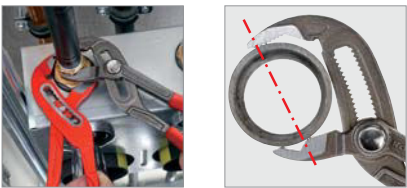
More comfort and better power transmission

Slip-resistant plastic handles

High grip reliability

3-point grip over the middle for reliable clamping. Perfect grip on pipes up to Ø 2"

Curve-Shape-Design: especially ergonomic



							No.
7"	175	1.1/4"	43	280	1	6	1000000213
10"	240	2"	60	460	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



Double hardened jaws
extremely durable

Good grip on every surface
even for hardest demands



Integrated sizing scale

Comfortable and quick
adjustment of the pipe diameter

Wide handles

More comfort and better
power transmission

L	L	max. inch	max. mm	g			No.
inch	mm						
7"	175	1.1/4"	43	290	1	8	1000000217
10"	240	2"	60	480	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

Enormous gripping width of 3.1/2"
– reliable grip during application

Double hardened jaws
extremely durable

Good grip on every surface
even for hardest demands



Large gripping width

Reliable grip and hold
up to 3.1/2" pipe diameter

ROTHENBERGER
Curve-Shape-Design

Especially ergonomic with larger
pipe diameters. Reduces the
danger of fingers getting clamped

14 adjustable positions

Variable uses, lateral stability
and high strength

Wide handles

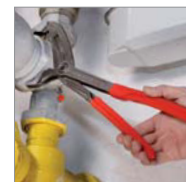
More comfort and better
power transmission

Slip-resistant
plastic handles

High grip reliability

ROTHENBERGER Curve-Shape-Design
– especially ergonomic!

Curve-Shape-Design:
especially ergonomic



3-point grip over the
middle for reliable
clamping. Perfect grip
on pipes up to Ø 3.1/2"



L	L	max. inch	max. mm	g			No.
inch	mm						
16"	440	3.1/2"	102	1.400	1	1	1000000328

General-Purpose Tools

Pliers

Water Pump Pliers SP

Complies with DIN 5231 D, with heavy-duty box joint, chrome vanadium steel, drop forged, tempered, polished head and joint



Product Profile

KEY FEATURES

- Ideal for hard-to-reach places with the longer, thinner pliers head with measurements favourable for corners
- Optimum grip for reliable hold of pipes, flat objects, squared and hexagonal screws
- Long service life through induction hardened teeth
- Variable use: 7 size settings
- Non-slip even on smooth surfaces
- Safe use with the crush and pinch protection

TECHNICAL DATA

Complies with DIN 5231 D
Heavy-duty box-joint
Abrasion-resistant surface protection with the epoxy-powder coating
Chrome vanadium steel
Drop forged, tempered
Polished head and joint

Asymmetrical gripping surface
Optimum grip with the rhombus-shaped gripping surface

Measurements favourable for corners
Ideal for hard-to-reach places

Self-clamping jaws
non-slip even on smooth pipes

Induction hardened teeth
Long service life and high wear resistance

Ergonomically shaped anti-slip legs
Reliable hold

7 size settings (10" and 12"), solid and durable
Variable use

Crush and clamp guard
Safe use

Optimum grip

No. 070528D

								No.
	inch	mm	max. inch	max. mm	g			
7"	175	1"	34	150	1	6		70527
10"	250	1.1/4"	43	290	1	6		70528
12"	300	1.1/2"	48	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!



						No.
inch	mm	max. inch	max. mm	g		
7"	175	1"	34	165	1 6	70521
10"	250	1.1/4"	43	315	1 6	70522
12"	300	1.1/2"	48	475	1 6	70523
10" Counter display				1(12)		070522D

Grooved Water Pump Pliers CL







Chrome vanadium steel, chrome-plated, drop forged, tempered, polished head and sliding joint, even jaws, **in compliance with DIN 5231 E**



KEY FEATURES

- No slipping of the joint possible
- Absolutely firm fit in every open position
- Easy, smooth adjustment
- Induction hardened teeth for a long service life
- Crush and clamp guard prevent injuries
- Plastic covered handles



							No.
	inch	mm	max. inch	max. mm	g		
9.1/2"		245	1.1/2"	48	330	6	70591
12"		300	2"	60	560	6	70592
16"		420	4"	114	1,150	6	70593

General-Purpose Tools

Plier Sets

Professional Sets

Practice-oriented set of pipe wrenches and pipe cutter

3-parts Set No. (070130X) includes:
Pipe Wrench 1" (No. 070122X),
Pipe Wrench 1.1/2" (No. 070123X),
Pipe Wrench 2" (No. 070124X)

4-parts 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)

3-partss Set (No. 070140X) includes:
Pipe Wrench 1" (No. 070122X),
Pipe Wrench 1.1/2" (No. 070123X),
Wapu 10" (No. 70528)



No. 070130X



No. 070135X



No. 070140X

Model	kg		No.
Set 1 - 1.1/2 - 2"	5,0	1	070130X
Set 1 - 1.1/2" + Wapu SP 10 + TC 35	3,1	1	070135X

Model	kg		No.
Set 1 - 1.1/2" + Wapu SP 10"	2,7	1	070140X

ROGRIP Pliers Sets

The quickly adjustable water pump pliers
Generation ROGRIP are available as practice-oriented
sets in 3 different sizes

2-parts Set (No. 1000000626) includes:
ROGRIP S 7" (No. 1000000217),
ROGRIP S 10" (No.1000000218)

2-parts Set (No. 1000001039) includes:
ROGRIP M 7" (No. 1000000215),
ROGRIP M 10" (No. 1000000216)

3-parts Set (No. 1000001068) includes:
ROGRIP M 7" (No. 1000000215),
ROGRIP M 10" (No. 1000000216)
ROGRIP XL 16" (No. 1000000328)



No.1000000626



No.1000001039



No.1000001068

Model		No.
ROGRIP Set S 7" + S 10"	1	1000000626
ROGRIP Set M 7" + M 10"	1	1000001039

Model		No.
ROGRIP Set M 7" + M 10" + ROGRIP XL	1	1000001068

Corner Pipe Wrench 45° "SUPER S"

Chrome vanadium steel, drop forged, tempered, with reinforced sleeve, polished jaws and a favourable size for corners

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	max. inch	max. 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	max. inch	max. 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	max. inch	max. mm	g			No.
1/2"	22	10"	250	370	1		070131X
1"	34	12"	300	740	1	6	070132X

inch	mm	max. inch	max. 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	max. inch	max. 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	max. inch	max. mm	g			No.
3"	89	24"	640	3.400	1		70113
4"	114	36"	750	5.600	1		70114

General-Purpose Tools

Pliers

One Handed Pipe Wrench "HEAVY DUTY"

KEY FEATURES

- One-handed ratchet-like use, self-clamping, spring-supported hook
- Quick preset of pipe-Ø using scale on hook
- Wearing parts replaceable:
Hook and heel jaw can be purchased separately
- Monoblock cast body with high strength, double T profile, forged jaw and hook, fine polished, teeth set against turning direction, induction hardened, tempered and non-slip adjustment screw



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

L	L	inch	mm	kg		No.	No.	No.
inch	mm					pliers	hook	jaws
8"	200	1/2"	22	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	7.92	1	70156	70206	70196
48"	1200	6"	168	15.80	1	70157	70207	70197

One Handed Pipe Wrench "ALUDUR"

KEY FEATURES

- Features similar to **HEAVY DUTY**
- **Weight savings of approx. 40%:** extremely light, high strength aluminium alloy
- Wearing parts replaceable: hook and heel jaw can be purchased separately



US-Norm GGG-W-651
Type I Class B!

L	L	inch	mm	kg		No.	No.	No.
inch	mm					pliers	hook	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"	1200	6"	168	8.42	1	70164	70207	70197

One Handed Pipe Wrench "STILLSON"

KEY FEATURES

- Features similar to **HEAVY DUTY**
- Hardened adjustment nut presses onto the handle during use and prevents undesired readjustment
- Optimised double-spring construction guarantees quick and firm self-clamping, ensuring secure hold even on smooth pipes









US-Norm GGG-W-651
Type I Class B!

L	L	inch	mm	kg		No.	No.
inch	mm					pliers	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	0.79	1 4	70352	70376
14"	350	1.1/2"	48	1.04	1 4	70353	70377
18"	450	2"	60	1.82	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







						No. pliers	No. hook	No. jaws
inch	mm	inch	mm	g				
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







						No. pliers	No. hook	No. jaws
inch	mm	inch	mm	g				
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

						No.
max. inch	max. mm	inch	mm	g		
4"	115	12"	300	780	1	70235







Chain Pipe Wrench "HEAVY DUTY"


Very robust model for the toughest conditions, proven in pipeline construction, jaws and handle are forged, jaws are replaceable

KEY FEATURES

- Strong chain made of tempered special steel – fits every cross-section
- Double-sided tooth system for ratchet-like use, for right and left-handed operation

		jaws			No. pliers	No. jaws
max. inch	max. mm	width mm	mm	kg		
1.1/2"	48	38	350	1.4	70242	70571
2.1/2"	73	52	690	3.5	70243	70572
4"	114	63	940	6.7	70244	70573
6"	168	78	1,120	12.6	70245	70574
8"	220	80	1,280	17.2	70246	70575
12"	324	84	1,630	24.2	70247	70576



Model		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

General-Purpose Tools

Pliers

Fittings Wrench 90°

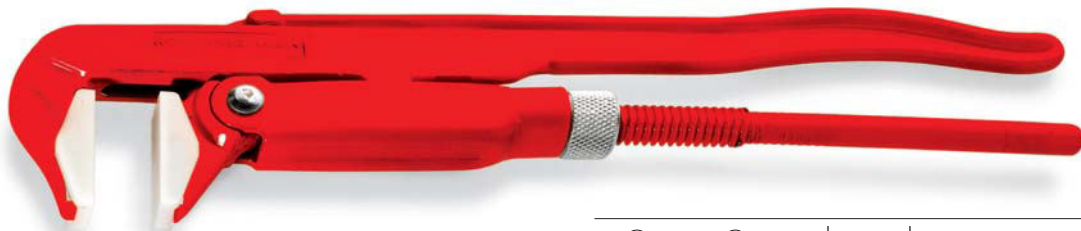
Special chrome vanadium steel, steel forged

KEY FEATURES

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



Plastic jaws, gentle grip!



max. inch	max. mm	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. 350850



No. 350900

Model	L mm	Clamping width and depth 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	70417

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

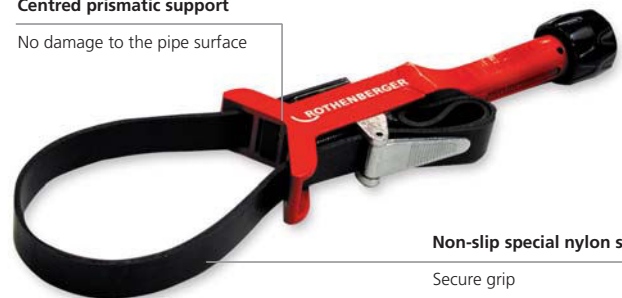
- No damage to pipe surface with the centred prismatic support
- Secure grip with special non-slip nylon strap



Model	mm	inch	kg	No.
EASYGRIP	20-160	3/4"	1.0	55075
Spare strap EASYGRIP			0.1	55076

Centred prismatic support

No damage to the pipe surface



Non-slip special nylon strap

Secure grip

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



General-Purpose Tools

Installation Wrenches

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

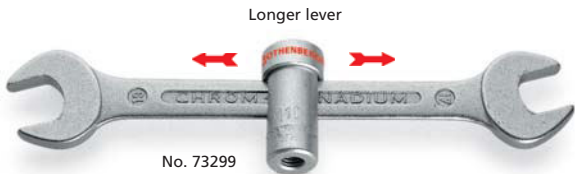


Model	 g			No.
Set: UNI Stepped Key and Ratchet	670	1	12	73297
UNI Stepped Key	120	1		73298
Gas Stepped Key	80	1		73280
1/2" ratchet	440	1		27180



Express Spanner

Chrome vanadium steel, drop forged, chrome-plated



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



Spanner width	for hanger bolts Size	 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

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

Simple installation



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

General-Purpose Tools

Installation Wrenches

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 Profi	9-10-11-12-13-14	1,500	73202
ROFIX SANISET	9-13	900	73200
Bolt Driver tool			
M8/M10	215	120	73201
RO-QUICK 2-Adaptor	90	40	73206
Special extension size 9	185	50	73210
Special extension size 10	185	50	73209
Special extension size 11	185	50	73208
Special extension size 12	185	50	73212
Special extension size 13	185	50	73213
Special extension size 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°!



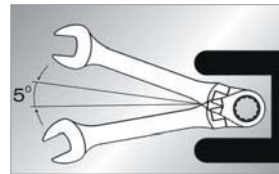
Fig. ROCLICK wrench set



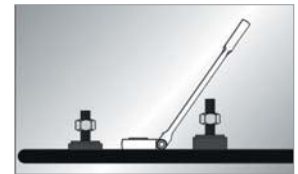
7-part set (No. 70490) includes: ROCLICK combined spanner 8 - 10 - 11 - 13 - 14 - 17 - 19 mm, plastic case

Model	g		No.
ROCLICK spanner set, 7 pieces	1,150	1 12	70490

Small 5° operating radius



Adjustable inclination angle



Torque Wrench Set

For proper tightening of flange connections

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

DIN
-Norm



Fix with torque urgently necessary!



8 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 piece	3.5	175001

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

ROTUN

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: ROTUN 10 - 11 - 13 - 14 - 16 - 17 - 19 - 22 mm, in plastic case

Model	kg		No.
ROTUN spanner set, 8 pieces	1.7	1 12	70475

General-Purpose Tools

Installation Wrenches

ROCLICK Key

Chrome vanadium, head black atramentized



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

KEY FEATURES

- With the spring mechanism – the harder the pressure, the more firm 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	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



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

KEY FEATURES

- Ideal for hard-to-reach screws with the finely toothed R/L switchable ratchet
- 12-edged, flat offset, robust and indestructible

7-part set (No. 70281) includes: ROCLICK 10 x 11, 12 x 14, 13 x 17, 15 x 16, 19 x 22, 24 x 27, 30 x 32 mm

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 bis	Clamping width	g	No.
4"	120 mm	16 mm	80	70440
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	1170	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 screws



Size	L	Clamping width up to (inch)	g	No.
6"	176 mm	34 (1.3/8")	205	1500001509
8"	216 mm	39 (1.1/2")	345	1500001510

General-Purpose Tools

Installation Wrenches

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 mm	L inch	Clamping width mm	Clamping width inch	g	No.
160	6"	SW 9 - 17	1/8" - 3/8"	80	70220
200	8"	SW 14 - 28	1/4" - 3/4"	200	70221

Enormous leverage!



L mm	L inch	Clamping width mm	Clamping width inch	g	No.
255	10"	SW 16 - 33	3/8" - 1"	340	70222
310	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



Open-Ended Wrench Set

Chrome vanadium steel, chrome-plated DIN 3113

8-piece

8x8, 9x9, 10x10, 11x11, 13x13, 14x14, 17x17, 19x19 mm



Model	No.
Double-end box wrench set 10-piece	849064
Double-end box wrench set 12-piece	849065

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
Double-end box wrench 24 x 27 mm	849317
Double-end box wrench 30 x 32 mm	849323

General-Purpose Tools

Screwdrivers

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

Surface treated
precision tip

Guarantees perfect seat
on screw head



Colour coding for
different tips

Quick differentiation

2 component handle made of
high-quality, plastic, grip-friendly
AS knob form

High force transmission



Blade made of high-quality,
tempered chrome
vanadium steel

High torque proof



Screwdriver 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

Slot Screwdriver



Slot



Phillips Screwdriver



Phillips



Pozidriv Screwdriver



Pozidriv



Tip design	Model	g	No.
4.0 x 100	Slot	45	73103
5.5 x 125	Slot	84	73131
6.5 x 150	Slot	128	73133
PH 1 x 100	Phillips	80	73152
PH 2 x 125	Phillips	98	73153
PZ 1 x 100	Pozidriv	80	73161
PZ 2 x 125	Pozidriv	98	73162

ROBIT

10-piece bit set

With magnet holder
and front tip



Model	No.
ROBIT bit set (10-piece)	73670

General-Purpose Tools

Screwdrivers

EUROLINE® IMPAKT

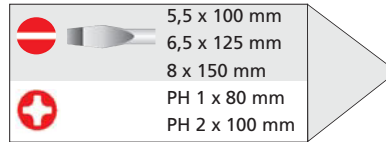
Screwdriver with continuous, strengthened blade

Product Profile

KEY FEATURES

- One-piece, strengthened blade with metal cap allows directed hammer blows, for example loosening stuck screws

Set (No. 73575) includes:



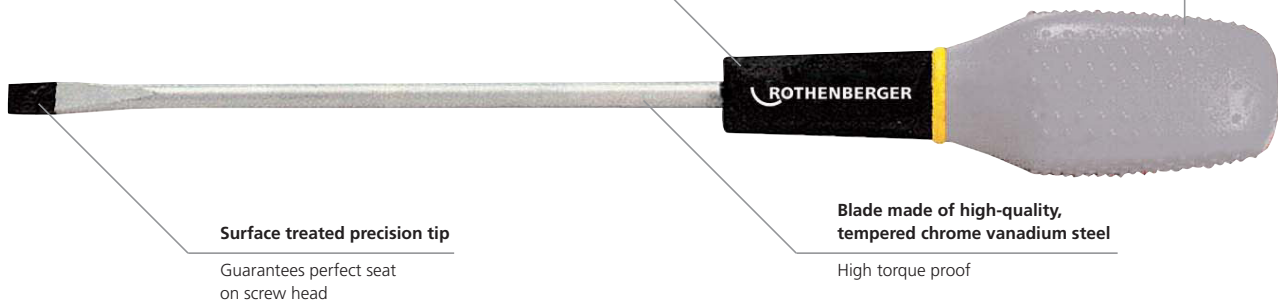
2 tools in 1!

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 strengthened 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



Model	g	No.
VDE Screwdriver Set, includes: 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	680	323126

General-Purpose Tools

Installation Aids

ROCHECK

Spirit level for angled valves

For exact vertical and horizontal alignment of fittings

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



Precise Installation!

ROCHECK

Spirit level for standard distances


Accurate installations with installation gauge for fittings, with horizontal and vertical levels, unbreakable

- KEY FEATURES
- For standard distances: 97 - 120 - 153 - 160 - 170 - 200 - 210 mm



Exact 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	 kg	No.
9-part set	1.25	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

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



With rust-free steel cutter for high-quality armature!



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"	3/8" - 1"	980	70974
and each with 3 seals in steel compartment			
Basic Tool with cutter 1/4"-3/8"-1/2"-3/4"-1"	1/4" - 1"	1.060	70972
and each with 3 seals in steel box			
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



General-Purpose Tools

Installation Aids

Standard Spirit Level



KEY FEATURES

- Deformation-free aluminium rectangular profile, anodised
- Imprinted, centred centimetre scale
- Shock and weather proof
- Horizontal and vertical levels, non-breakable, permanently aligned in carrier
- Measuring accuracy in normal position 0.029° = 0.5 mm / m

Model	mm	g	No.
Standard Spirit Level	430	260	1500001583
Standard Spirit Level	600	340	1500001547
Standard Spirit Level	1000	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	5	19	230	77397
Flexible ruler	2		100	252100

Basin Nut Wrench

Special chrome vanadium steel, drop forged, very tough

KEY FEATURES

- Optimum force transmission with the T-handle
- Rotatable claw for right and left-handed rotation



Clamping range mm	inch	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		L	g	No.
mm	inch	mm		
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

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	L	Sheet thickness	g	No.
inch	mm	mm		
10"	250	1.0	450	71095

Tower Pincers / Concreter's Nippers

Special forged steel, slim head, polished,
long plastic covered handles



L	L	Clamping width	g	No.
inch	mm	mm		
9"	225	22	330	70118
10"	250	26	440	70119

Basin Nut Wrench

Special chrome vanadium steel, drop forged, coated with
adjustment screw



Model	L	g	No.
	mm		
Basin Nut Wrench	270	580	351050

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	L	Cutting performance Ø mm		kg	No.	No.
		490 N/mm ²	1300 N/mm ²			
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

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	L	Clamping width	g	No.
inch	mm	mm		
10"	250	32	570	70252

General-Purpose Tools

Installation Aids

Combination Pliers

For hard and soft wire, special tool steel, oil hardened, special slim form, chrome-plated head, zero-play joint and heavily insulated handles

DIN-Norm

VDE approved



L mm	Model	g	No.
180	DIN 5244	250	324559

Edge Cutter

For hard and soft wire, special tool steel, oil hardened, Swedish style, chrome-plated head, zero-play joint with heavily insulated handles

DIN-Norm

VDE approved



L mm	Model	g	No.
160	DIN 5238B	210	324577

Insulation Stripper

Special tool steel, oil hardened, chrome-plated, zero-play joint, heavily insulated handles, with adjustment screw and opening spring

VDE approved



L mm	max mm	g	No.
165	5	160	324800

Power Edge Cutter

For piano wire, hard and soft wire, powerful, special tool steel, oil hardened, chrome-plated head, zero-play joint, with heavily insulated handles

DIN-Norm

VDE approved



L mm	Model	g	No.
180	DIN 5238A	250	324588

Long Nose Pliers, straight

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

DIN-Norm

VDE approved



L mm	Model	g	No.
200	DIN 5236A	200	324737

Long Nose Pliers, angled

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

DIN-Norm

VDE approved




L 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

CV steel 50Cr-V4, achromatised, hardness and torque in compliance with **DIN 911**


DIN
-Norm



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

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

Screw Extraction Sets

Packaged in handy plastic box with spiral drills, guide bushes, boring studs and boring nuts

Set	Set contains complete for	Contains piece	 g	No.
Size 1	M 5 - M 12	21 pieces	450	71310
Size 2	M 5 - M 16	25 pieces	580	71311

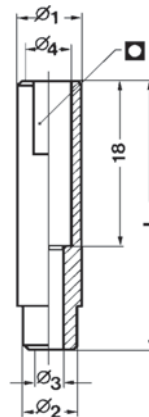
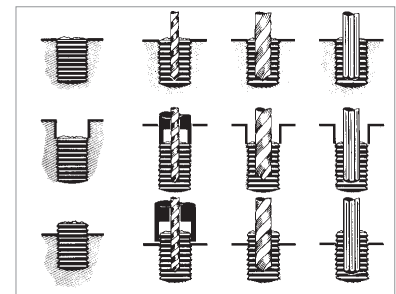




Fig. Screw Extraction Set, 25 pieces



For thread	Guide bush size	Guide bush No.	 mm	Pre-boring- No.	 mm	Boring No.	Boring stud size	Boring stud No.	Boring nut hex for size	Boring nut No.
M 5	Size 1	71291			3.2	71301	Size 1	71281	Size 1/SW10	71286
M 6	Size 2	71292			3.2	71301	Size 1	71281	Size 1/SW10	71286
M 7	Size 3	71293	3.2	71301	4.8	71302	Size 2	71282	Size 2/SW11	71287
M 8	Size 4	71294	3.2	71301	4.8	71302	Size 2	71282	Size 2/SW11	71287
M 9	Size 5	71295	4.8	71302	6.4	71303	Size 3	71283	Size 3/SW13	71288
M 10	Size 6	71296	4.8	71302	6.4	71303	Size 3	71283	Size 3/SW13	71288
M 12	Size 7	71297	4.8	71302	8.0	71304	Size 4	71284	Size 4/SW14	71289
M 14	Size 8	71298	6.4	71303	8.7	71305	Size 5	71285	Size 5/SW17	71290
M 15	Size 9	71299	6.4	71303	8.7	71305	Size 5	71285	Size 5/SW17	71290
M 16	Size 10	71300	6.4	71303	8.7	71305	Size 5	71285	Size 5/SW17	71290

General-Purpose Tools

Cutting Discs

Cutting Disc Assortment

For burr-free and quick cutting of stainless steel, steel, cast iron and stone

Description	No.	Alloyed and unalloyed steel	High strength steel	Tool steel	Rust- and acid-resistant steel	Edged steel profiles	Steel panel	Welded joints	Edged stainless steel profiles	Cast	Aluminium alloying	Copper	Brass / Bronze
Cutting disc INOX Profi Plus (115 x 1 x 22)	071533D	●	●	●	●	●	●	●	●	○	●	●	●
Cutting disc INOX Profi Plus (125 x 1 x 22)	071534D	●	●	●	●	●	●	●	●	○	●	●	●
Grinding/Cutting disc INOX Safe Cut (115 x 2 / 1 x 22)	071551D	●	●	●	●	●	●	●	●	●	●	●	●
Grinding/Cutting disc INOX Safe Cut (125 x 2 / 1 x 22)	071552D	●	●	●	●	●	●	●	●	●	●	●	●
Grinding/Cutting disc INOX 2 in 1 (115 x 2,5 x 22)	071553D	●	●	●	●	●	●	●	●	●	○	○	○
Grinding/Cutting disc INOX 2 in 1 (125 x 2,5 x 22)	071554D	●	●	●	●	●	●	●	●	●	○	○	○

●● = very well suited ● = well suited ○ = partially suited

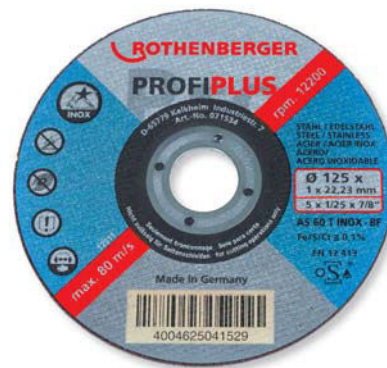
INOX PROFI PLUS

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	g	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

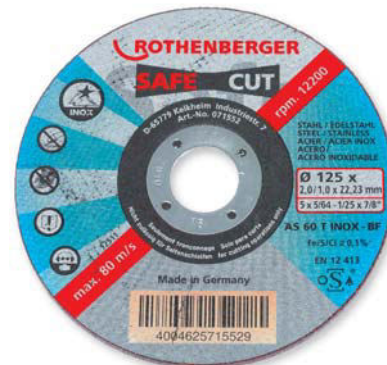


SAFE CUT

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)

Model	Dimensions mm	 g		No.
2in1 box 115	115 x 2,5 x 22	550	1(10)	071553D
2in1 box 125	125 x 2,5 x 22	650	1(10)	071554D



2 in 1!



Follow all manufacturers instructions



Don't rough down



Follow work safety measures



Do not use defective grinding/cutting discs




PROFI PLUS

Twist drill set DIN 338 Type N

HSS rolled, all drill diameters
in 0.5 mm diameter steps





No. 816990

Model	Drill range mm	Number drills	 g	No.
In steel box	1.0 - 10.0	19 pc.	710	817000
In steel box	1.0 - 13.0	25 pc.	1400	817003
In round box	1.0 - 10.0	19 pc.	465	816990





No. 817000

 mm	No.	 mm	No.
1.0	817012	6.5	817067
1.5	817017	7.0	817072
2.0	817022	7.5	817077
2.5	817027	8.0	817082
3.0	817032	9.0	817092
3.5	817037	9.5	817097
4.0	817042	10.0	817102
4.5	817047	10.5	817104
5.0	817052	11.0	817106
5.5	817057	11.5	817108
6.0	817062	12.0	817110

HM-Stone Drill

High-performance drill made with carbide





 mm	No.	 mm	No.
4	112040	9	112049
5	112042	10	112050
6	112044	12	112052
7	112046	13	112053
8	112047	14	112054

Flat Center Bit

For precise drilling depth



 mm	No.	 mm	No.
10	464010	28	464028
12	464012	32	464032
14	464014	35	464035
16	464016	38	464038
18	464018	40	464040
20	464020	Extension	463610
25	464025	6 x 300 mm	

General-Purpose Tools

Drill Bits

Chassis Punch

Chassis Punch for uniform deformation-free punching of sheets, steel sheets, V2A sheets, copper and aluminium

KEY FEATURES

- Ideal for tight spaces such as fuse boxes, junction boxes, instrument panels, sinks, car bodies
- Special tool steel, burnished
- Guaranteed long service life
- Material thickness up to max. 4 mm



Metric tension screw with highest quality grade 129 (from Ø 152 mm)

Extremely durable

Optimum support due to 3-point cut

Clean cutting process

mm	Through - size	g	No.
28.3	PG21	220	21828
32		260	021832X
34		260	21834
35		270	21835
36		270	21836
38		370	21838



Fig. Chassis Punch

5-piece set (No. 21801) includes: 1 Chassis Punches Ø 28.3 mm (No. 21828), 32 mm (No. 21832), 35 mm (No. 21835), spare screw in plastic case

Model	g	No.
Chassis Punch, 5 pieces	750	21801
Spare screw M10 x 1.0 for Ø 16-38 mm		21902
Spare screw M12 x 1.5 for Ø 39-50 mm		21903
Spare screw M16 x 1.5 for Ø 51-65 mm		21904

UNIDRILL®

HSS stepped drill bit



In one step, sheets can be centred, spot drilled, drilled and deburred



No. 21313



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

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
2	4 - 20	75	8	60	21306
3	4 - 30	100	10	185	21307

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

3-piece set (No. 21750) includes: Sheet metal cone bit size 1 (No. 21541), size 2 (No. 21542) and size 3 (No. 21543), in plastic cartridge

Size	 mm	Shaft mm	 mm	No.
UNIDRILL set with drill paste			3.0 - 30.5	380
2	71	8	5.0 - 20.0	56
3	76	9	16.0 - 30.5	120
EVERCOOL drill paste, 50 g				80




Burr-free drilling



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

Adaptor Holder

For HSS Bimetal hole saws with center drill

Type	for Hole saw	Adaptor	 g	No.
A1	up to 30 mm	12 mm - hex	75	114161
A2	32 up to 152 mm	12 mm - hex	230	114162
Spare center drill, HSS		6.35 mm	20	114171
Extension 300 mm				114175



No. 114201



No. 114161




No. 114162




No. 114171



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
48	A2	114048

 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

General-Purpose Tools

Drill Bits

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.	mm	inch	g	No.
16	5/8"	100	21316	30		140	21330
17		110	21317	31		180	21331
18		110	21318	32	1.1/4"	180	21332
19	3/4"	120	21319	33		180	21333
20		120	21320	34		180	21334
21		120	21321	35	1.3/8"	190	21335
22	7/8"	120	21322	36		190	21336
23		140	21323	37		190	21337
24		140	21324	38	1.1/2"	190	21338
25	1"	120	21325	39		190	21339
26		130	21326	40		200	21340
27		130	21327	41	1.5/8"	200	21341
29		140	21329	42		200	21342
				43		210	21343

mm	inch	g	No.	mm	inch	g	No.
44		210	21344	70	2.3/4"	390	21370
45	~1.3/4"	210	21345	75	3"	400	21375
46		210	21346	80	~3.1/8"	420	21380
47		210	21347	85	~3.3/8"	450	21385
48	~1.7/8"	220	21348	90	~3.9/16"	550	21386
49		230	21349	95	3.3/4"	580	21387
50		250	21350	100	4"	590	21388
51	2"	260	21351	110	4.3/8"	700	21389
52		270	21352	120	4.3/4"	830	21390
53		270	21353	130	5.1/8"	880	21391
54	2.1/8"	280	21354	140	5.1/2"	880	21392
55		280	21355				
60	2.3/8"	360	21360				
65	2.5/8"	390	21365				



Hammers, Chisels, Pin Punches

Fitter's Hammer

Complies with **DIN 1041**, hickory wooden handle, head secured by sealed shaft

DIN
-Norm





Head weight 	Total weight 	No.
300	470	322823
400	590	322824
500	670	322825
800	1,180	322827
1000	1,210	322828

Lump Hammer

Complies with **DIN 6475**, hickory wooden handle, head secured by sealed shaft

DIN
-Norm



Head weight 	Total weight 	No.
1000	1,170	322921
1250	1,380	322922
1500	1,670	322923
2000	2,250	322924

Centre Punch

Tip and cone polished, shaft: octagonal, complies with **DIN 7250**. Chrome vanadium steel, air-hardened and forged

DIN
-Norm

Cone tip 	mm	Shaft 	No.
4	120	10	77279



DIN
-Norm

Chisel

Safety tempered impact hear

- Silver lacquered tip
- Chrome manganese silico



No. 77050





No. 77072



No. 77164



No. 25811

Model	Length mm	Shaft mm	Cutting Width mm	without hand protection 	No.	with hand protection 	No.
Mason Chisel, flat	300	16	22	470	77033	560	77050
Mason Chisel, pointed	300	16	—	455	77072	545	77090
Electrician Chisel	250	8	13	95	77164		
Slotted Chisel	235	26 x 7	26	245	25811	345	25810

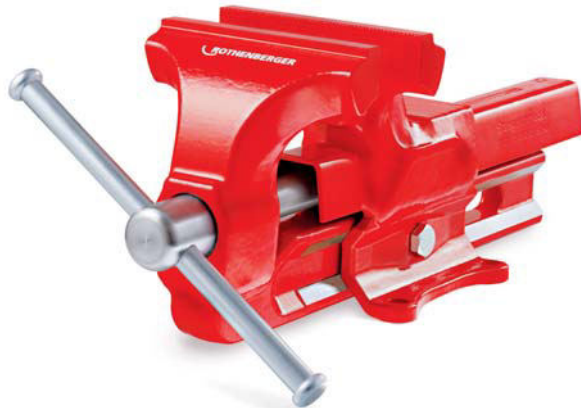
General-Purpose Tools

Vices

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	depth mm	for pipes inch	for pipes mm	kg	No.
120	125	65	3/8 - 1 1/2"	16 - 55	8.7	70705X
140	150	80	3/4 - 2"	27 - 70	15.6	70735X

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

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

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

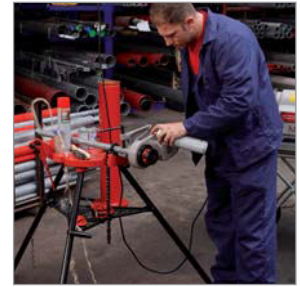
Tripod Uni Workbench

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



No. 70740



No. 70751

Working Unit

with pipe vice 1/8 - 2"

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

Description	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	1200 x 550 x 835	30	070690X
Pipe-fitter	1000 x 700 x 835	32	70696
Pipe-fitter	1200 x 750 x 835	38	70698

General-Purpose Tools

General Aids & Tool Bags

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 piece)	1	1500000088

Tool Bag "Trendy"

- Lots of storage room for all your tools



Volume:
ca. 42 l

Tool Bag

- Offers a lot of pockets and tool holders with a waterproof plastic bottom



Volume:
ca. 30 l

Tool Backpack

- Two spacious compartments and a comfortable rubber handle offers a good alternative to a classic bag



Volume:
ca. 21 l

Tool Bag "Heavy Duty"

- Especially stable with the stable 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

Model		No.
Tool Backpack (410 x 295 x 240 mm)	1	1500001319
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

Shoulder Toolbox "Trendy"

- 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 cover



Model		No.
Tool Box Apprentice	1	402312
Belt Bag (250 x 120 x 310 mm)	1	1500001460

Model		No.
Trendy Shouldertoolbox (250 x 220 x 140 mm)	1	402308
Tool roll cover (730 x 300 mm)	1	1500001468

Service Case 40 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 mm



Set (No. 1000000420) includes: TUBE CUTTER 35 DURAMAG (6 - 35 mm), Telescopic Basin Nut Wrench (10 - 32 mm), Saw Bow ROBO Super (SW 300), 10x Hand saw blade BI-METAL HSSE 4 Plus (300 mm), corner pipe wrench Super "S" (1.1/2"), Wapu SP (10"), Express Spanner (M10, with 17 x 19), Screwdriver Set EUROLINE (2 x PH, 4 x Slot), aluminium spirit level (400 mm), carpenter pencil (graphite, 240 mm), Cutter Knife, Hammer with hickory wooden handle (300 g), Electrician Chisel, flat (250 x 8 mm, square), Double-end Box Wrench (6 - 32 mm, 12 pcs.), Service Case

Model		No.
Service Case, 40 pieces	1	1000000420

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 mm

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 (6", with up to 29 mm), Ratchet Spanner open (ROCKCLICK, 13 mm and 17 mm), ROGRIP "S" (7", 10"), ROCUT TC (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 / 322p), Allen Key Set, fold-up (7 pcs., 2.5 - 10 mm), PLASTICUT (50 mm), Basin Nut Wrench (10 - 32 mm), Tap Extension Key with 12 x 17, Combination Pliers (180 mm), scraper (40 mm), Edge Cutter (160 mm), Combination Spanner Set (8 - 22, 8 pcs.), Service Case

Model		No.
Service Case, 67 pieces	1	1000000430

Apprentice Set

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"), Sanitary Four Way Key, installer toolbox

Model		No.
Apprentice set, 50 pieces	1	19166
Installer toolbox	1	402312

