



# Pipe / Drain Cleaning and Inspection

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# Overview Pipe & Drain TV Inspection Systems

## ROSCOPE

Colour, for hollow spaces and pipes  $\varnothing$  5.5 - 25 mm

Controller can be combined with various modules and offers high flexibility and can be used for a wide range of applications. Suitable for the inspection of pipes, hollow spaces and hard-to-reach places.



**Multiview: 4 in 1**

For detailed Information see 246

## ROCAM® Mini

B/W or colour for pipe  $\varnothing$  25 mm - 100 mm

**The Specialist**



High-performance camera for the inspection and analysis of hollow spaces and pipes. The shortened, mini-camera head allows extreme operation and guarantees high flexibility.

For detailed Information see 248

## ROCAM® mobile

B/W or colour for pipe  $\varnothing$  33 - 150 mm

**The All-rounder**



Innovative pipe and drain TV inspection system with a wide range of application. Compact unit for mobile inspection and damage analysis.

For detailed Information see 249

## ROCAM® Plus

Colour, for pipes  $\varnothing$  25 - 300 mm

**The Professional**



Largest pipe TV inspections camera with the new, self-levelling precision camera head that always shows an upright image. Registration of information and the use of drain software with an integrated damage catalogue (according to ATV), allows for high level documentation.

For detailed Information see 254

8

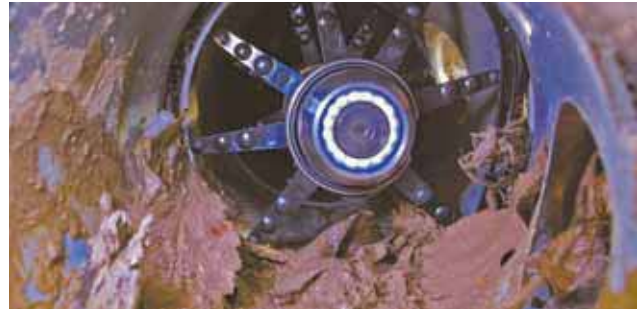


# Overview Pipe & Drain TV Inspection Systems

## ROCAM® Pipe TV Inspection Systems

Pipe and drain TV inspection cameras with proven ROTHENBERGER technology

- Duo-Power: High mobility with option of mains and mobile battery operation
- The most modern, high-resolution camera head made of stainless steel and sapphire glass
- Continuously adjustable LED brightness on camera head
- ROCAM® Plus with self-aligning camera head
- Monitor with excellent image quality
- Detailed information documentation possible on Laptop/PC and VCR
- Further features depending on make and model



	ROCAM® Mini	ROCAM® mobile basic	ROCAM® mobile with MC	ROCAM® mobile with MC + locator
Camera model b/w	6.9125	6.9420	6.9425	6.9430
Camera model colour	6.9925	6.9620	6.9625	6.9630
ABS housing	●	●	●	●
Video In/ Video Out	●	●	●	●
Battery operation / on-board battery charger	●	●	●	●
Battery status indicator	●	●	●	●
Impact resistant camera head with sapphire lens	●	●	●	●
LED illumination control	●	●	●	●
Readout of metering counter (cannot be retrofitted)	●	○	●	●
Self-aligning camera head	○	○	○	○
High-performance Mini Module 1.4	○	○	○	○
Information registration and inspection software	○	○	○	○
Digital locator ROLOC	○	○	○	●
<b>Optional / Retrofit:</b>				
Spare charger	○	●	●	●
Spare battery	○	●	●	●
Digital locator (retrofit set)	○	●	●	○
High-performance Mini Module 1.4	○	●	●	●
USB video adaptor	●	●	●	●
Dimensions [mm]	520 x 330 x 350	600 x 400 x 370	600 x 400 x 370	600 x 400 x 370
Weight [kg]	8	13	13,4	14,5
For internal pipe diameters [mm]	> 25	> 33	> 33	> 33
Push cable length [m]	22	36	36	36
Ambient temperature	-10 up to +50 °C	-10 up to +50 °C	-10 up to +50 °C	-10 up to +50 °C
Storage temperature	-30 up to +50 °C	-30 up to +50 °C	-30 up to +50 °C	-30 up to +50 °C

	ROCAM® Plus with MC, 60 m	ROCAM® Plus with MC, 60 m, DE	ROCAM® Plus with MC, 100 m	ROCAM® Plus with MC, 100 m, DE
Camera model b/w	○	○	○	○
Camera model colour	6.9725	6.9740	6.9825	6.9840
ABS housing	●	●	●	●
Video In/ Video Out	●	●	●	●
Battery operation / on-board battery charger	●	●	●	●
Battery status indicator	●	●	●	●
Impact resistant camera head with sapphire lens	●	●	●	●
LED illumination control	●	●	●	●
Readout of metering counter (cannot be retrofitted)	●	●	●	●
Self-aligning camera head	●	●	●	●
High-performance Mini Module 1.4	●	●	●	●
Information registration and inspection software	○	●	○	●
Digital locator ROLOC	○	○	○	○
<b>Optional / Retrofit:</b>				
Spare charger	●	●	●	●
Spare battery	●	●	●	●
Digital locator (retrofit set)	●	●	●	●
High-performance Mini Module 1.4	○	○	○	○
USB video adaptor	●	●	●	●
Dimensions [mm]	700 x 580 x 450	700 x 580 x 450	700 x 580 x 450	700 x 580 x 450
Weight [kg]	20	21	25	26
For internal pipe diameters [mm]	> 25	> 25	> 25	> 25
Push cable length [m]	60	60	100	100
Ambient temperature	-10 up to +50 °C	-10 up to +50 °C	-10 up to +50 °C	-10 up to +50 °C
Storage temperature	-30 up to +50 °C	-30 up to +50 °C	-30 up to +50 °C	-30 up to +50 °C

● = included ○ = not included MC = Metering counter



# Pipe & Drain TV Inspection

## ROSCOPE

### Controller with 3.5" TFT colour display

Modular design enables personal configuration and offers high flexibility in a wide variety of areas



Product Profile	
<b>APPLICATION AREA</b>	Suitable for the inspection of pipes, hollow spaces and hard-to-reach places
<b>SYSTEM KEY FEATURES</b>	<ol style="list-style-type: none"> <li><b>1 Inspection is possible in a variety of areas</b></li> <li><b>2 Photography:</b> Taking photos is quick and easy (Date and time are optional)</li> <li><b>3 Filmmable:</b> Fast filming of the inspection (Date and time are optional)</li> <li><b>4 Immediate replay of the inspection</b></li> <li><b>5 Memory:</b> Unit has sufficient memory that can be extended individually</li> </ol>

TECHNICAL DATA	
<b>Display:</b>	3.5" TFT LCD Display 320 x 240 Pixel
<b>Battery:</b>	Rechargeable Li-Polymer charger with charging cable
<b>Video format:</b>	AVI
<b>Picture format:</b>	JPEG
<b>Connections:</b>	Mini USB / AV Out

**MULTIVIEW 4 in 1**

- Inspecting
- Photographing
- Filming
- Storing

#### 3.5" TFT colour monitor

Clear pictures, oil and scratch resistant monitor, adjusted picture

#### Continuously adjustable LED brightness

Optimum illumination

#### 2 Photo function key

Quick and simple pictures (Date and time optional)

#### 3 Film function key

Quick filming of the inspection (Date and time optional)

#### 1 Modular controller system with 4 modules

Inspection in different operating areas possible

#### 5 SD Memory card slot

Sufficient, individually expandable disc space in unit

#### AV Out / Mini USB interface

Inspection can be displayed on external display.

#### Adaptor

For charging the Li-Polymer charger

#### 4 Menu and Unit control

- Multifunction key
- e.g. immediate replay of the inspection as film
  - e.g. immediate playback of the pictures taken



(No. 6.9360)  
Controller unit

#### Examples of use ROSCOPE basic unit with:

Module Micro 5.5 / 1



Module TEC 10 / 1.5



Module Pipe 20 / 3



Module Pipe 25 / 22



# Pipe & Drain TV Inspection

## Module Micro 5.5/1

For versatile inspection work in industry and mechanical engineering with micro-objective Ø 5.5 mm

Product Profile	
<b>APPLICATION AREA</b>	
● Industry	● Building services
● Sanitary-Heating-Climate	● Air-conditioning
<b>TECHNICAL DATA</b>	
Head diameter:	5.5 mm
Cable length:	1 m



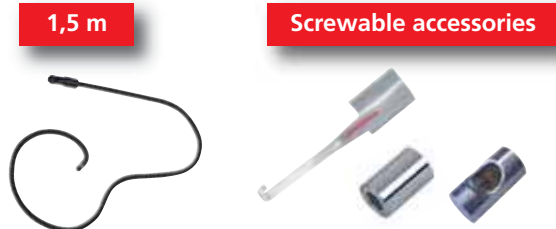
Module Micro 5.5/1 (No. 6.9376) includes: Precisions cable 1 m, mirror, magnet

Model			No.
Set ROSCOPE Micro 5.5 / 1	1	4	<b>6.9375</b>
Module Micro 5.5 / 1	1	24	<b>6.9376</b>
Accessories: mirror, magnet	1	1	<b>6.9380</b>

## Module TEC 10/1.5

For inspecting in all hard-to-reach areas, optimal for use with gooseneck with quality objective.

Product Profile	
<b>APPLICATION AREA</b>	
● Industry	● Building services
● Construction industry	● Electrical Engineering
<b>TECHNICAL DATA</b>	
Head diameter:	10 mm
Cable length:	1.5 m



Module TEC 10/1.5 (No. 6.9364) includes: Gooseneck 1.5 m, hook, magnet, mirror

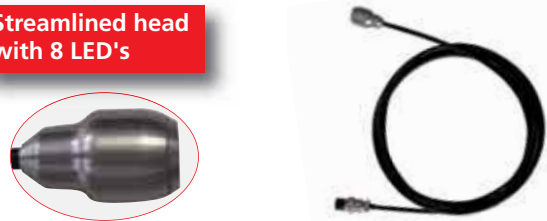
Model			No.
Set ROSCOPE TEC 10 / 1.5	1	4	<b>6.9363</b>
Module Pipe TEC 10 / 1.5	1	24	<b>6.9364</b>
Accessories: hook, magnet, mirror	1	1	<b>6.9379</b>

## Module Pipe 20/3

For inspecting and analysing of pipes and hollow spaces with extremely small curve flexibility 4 x DN40

Product Profile	
<b>APPLICATION AREA</b>	
● Industry	● Building services
● Sanitary-Heating-Climate	● Air-conditioning
● Pipe construction	
<b>TECHNICAL DATA</b>	
Head diameter:	20 mm
Cable length:	3 m

Streamlined head with 8 LED's



Module Pipe 20/3 (No. 6.9385) includes: Flexible push cable 3 m

Model			No.
Set ROSCOPE Pipe 20 / 3	1	4	<b>6.9384</b>
Module Pipe 20 / 3	1	24	<b>6.9385</b>

## Module Pipe 25/22

For inspecting and analysing of pipes, shafts, and hollow spaces from Ø 25 mm, maximal freedom of movement through reel with belt-clip (included)

Product Profile	
<b>APPLICATION AREA</b>	
● Industry	● Building service
● Sanitary-Heating-Climate	● Air-conditioning
<b>TECHNICAL DATA</b>	
Head diameter:	25 mm
Cable length:	22 m



Module Pipe 25/22 (No. 6.9372) includes: mini reel including 22 m cable and camera head, reel stand, plastic carrying case

Model			No.
Set ROSCOPE Pipe 25 / 22	1	4	<b>6.9371</b>
Module Pipe 25 / 22 + plastic carrying case	1	24	<b>6.9372</b>

### SCOPE OF DELIVERY (included in all set models)



# Pipe & Drain TV Inspection

## ROCAM® Mini

Pipe and drain TV inspection camera with Duo-Power in colour or b/w, with excellent flexibility, for pipe Ø 25 - 100 mm



### Product Profile

#### KEY FEATURES

- 1 High flexibility 5 x 90° in DN 40
- 2 Excellent image quality, scratch and impact-resistant, continuously adjustable LED brightness
- 3 Precise guidance of the camera head in the pipe
- 4 Mobile and battery operation up to 2.5 hours, charging time 1 - 1.5 Std.
- 5 Easy opening and closing of the cover
- 6 Digital distance display
- 7 Inspection documentation on video, laptop/PC, etc.

#### TECHNICAL DATA

**For hollow spaces and pipes:** Ø 25 - 100 mm  
**Camera head:** Ø 25 mm  
**Diode illumination:** 12 LED  
**Push cable diameter:** Ø 3.5 mm  
**Push cable length:** 22 m  
**Weight:** 8 kg  
**Duo-Power:** Mains operation (100 - 240 V / 50 - 60 Hz) and battery operation (18 V)  
 Charging time 1 - 1,5 h



5 Gas spring shock-absorber (for colour version)

Easy opening and closing of the cover

Automatic shut-off when the cover is closed

Conserves battery and saves energy

6 Digital distance display

Determines precise distance of the camera head

4 Duo-Power

2.5 hours operating time

Battery status indicator

3 Strong push cable

Precise guidance of the camera head in the pipe

7 Video In/Video Out, connector for USB adaptor see page 249

For inspection documentation on video, laptop / PC etc.

8



Exposed reel

Quick and easy to clean

Rugged tubular frame

Balanced carrying position and secure stand

ROCAM®-Mini use



1 Small, high-performance camera head

High curve mobility 5 x 90° in DN 40

2 Sapphire lens objective, embedded in stainless steel head

Excellent image quality, scratch and impact resistant

Model



No.

ROCAM® Mini b/w with metering counter	8.0	1	6.9125
ROCAM® Mini colour with metering counter	8.0	1	6.9925

Article in different Volt variants available on request

# Pipe & Drain TV Inspection

## ROCAM® mobile

Pipe and drain TV inspection camera with Duo-Power in colour or b/w, for pipe Ø 33 - 150 mm



### Product Profile

#### KEY FEATURES

- 1 Inspection documentation on video, laptop/PC, etc.
- 2 Brilliant image quality, scratch and impact resistant
- 3 90° curve flexibility from DN 50
- 4 Quick and easy to clean
- 5 Precise guidance of the camera head in pipes and drains
- 6 Conserves battery and saves energy through automatic shut-off
- 7 Mobile, battery operated use up to 2.5 hours
- 8 Digital distance display optional
- Exact position determination of the camera head with the ROLOC locator transmitter (optional under No. 6.9430 and No. 6.9630 or can be retrofitted)

#### TECHNICAL DATA

**For hollow spaces and pipes:** Ø 33 -150 mm, Ø 25 - 100 mm with Mini Module 1.4

**Camera head:** Ø 33 mm

**Diode illumination:** b/w 14 LED; colour 16 LED

**Push cable diameter:** Ø 4,5 mm

**Push cable length:** 36 m

**Weight:** 14 kg

**Duo-Power:** Mains operation (100 - 240 V/50 - 60 Hz) and battery operation (24 V) charging time 1 - 1.5 h

ROLOC locator see 251

#### 7 Duo-Power

2.5 hours operating time

#### 6 Automatic shut-off when cover is closed

Conserves battery and saves energy

#### 5 Strong push cable

Precise guidance of the camera in pipes and drains

#### 4 Exposed reel

Quick and easy to clean

#### 3 From 50 mm pipe with Ø 90° flexibility

Flexible, robust, stainless steel camera head

#### 2 Pinhole objective with sapphire lens

Brilliant image quality, scratch and impact resistant for the highest demands  
Continuously adjustable brightness

New TFT Monitor (for colour version)

Excellent contrast and sharpness

#### 8 Digital distance display

Position determination – (optional, cannot be retrofitted)

#### 1 Video In / Video Out, connector for USB adaptor see page 249

For inspection documentation on video, laptop/PC, etc.

#### Integrated storage compartment

For a wide-range of accessories



ROLOC locator unit



Set includes: ROCAM® mobile, 2 guide skids (No. H8.2306), mains adaptor (No. H8.8952), battery (No. 6.9550), scart cable (No. H8.2307). Set (No. 6.9430 and No. 6.9630) includes ROLOC locator (No. 6.9256)

Model			No.
ROCAM® mobile b/w basic	13.0	1	<b>6.9420</b>
ROCAM® mobile b/w with distance counter	13.4	1	<b>6.9425</b>
ROCAM® mobile b/w with distance counter and ROLOC locator	14.5	1	<b>6.9430</b>

Model			No.
ROCAM® mobile colour basic	12.5	1	<b>6.9620</b>
ROCAM® mobile colour with distance counter	13.0	1	<b>6.9625</b>
ROCAM® mobile colour with distance counter and ROLOC locator	14.1	1	<b>6.9630</b>

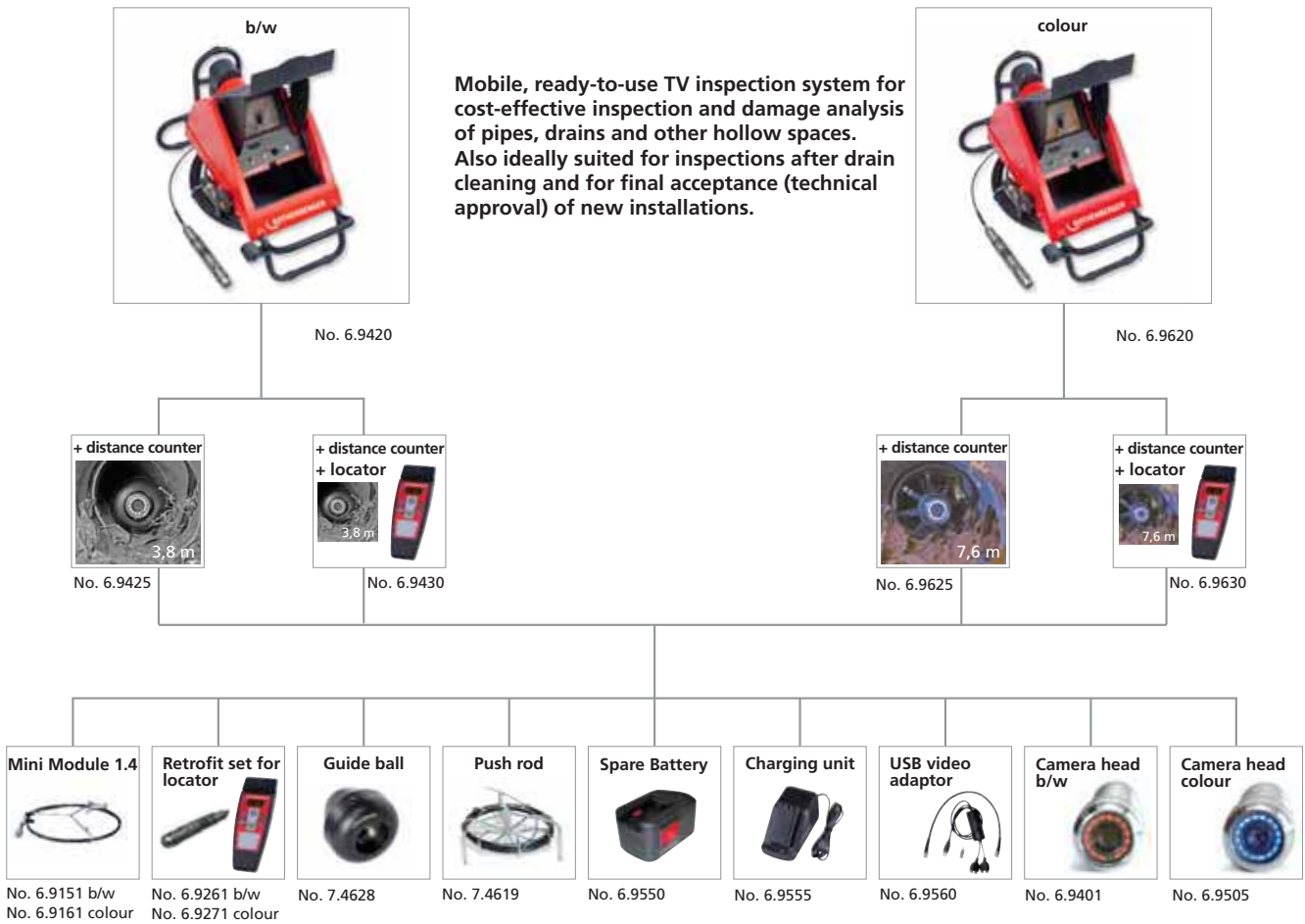
Article in different Volt variants available on request





# Pipe & Drain TV Inspection

## ROCAM® mobile Accessories



Features	Benefits	ROCAM® b/w	ROCAM® b/w +distance counter	ROCAM® b/w +distance counter +locator	ROCAM® colour	ROCAM® colour +distance counter	ROCAM® colour +distance counter +locator
		6.9420	6.9425	6.9430	6.9620	6.9625	6.9630
Battery operation 18V/1.4 Ah	2.5 hours battery powered operation	●	●	●	●	●	●
On-board battery charger	Battery is charged during mains-powered operation	●	●	●	●	●	●
ABS housing	Impact, break and weather resistant	●	●	●	●	●	●
36 m push cable	Sufficient for 1-2 family house	●	●	●	●	●	●
Distance display	For precise distance assessment	○	●	●	○	●	●
Active ROLOC locator	Pin-point determination also through steel and concrete	○	○	●	○	○	●
<b>Optional / Retrofit</b>							
ROLOC locator	Pin-point positioning	●	●	○	●	●	○
Mini Module 1.4	Inspection in pipe dimensions from DN > 25 -100 mm	●	●	●	●	●	●
USB video adaptor	Direct recording on laptop/PC etc.	●	●	●	●	●	●
Push rod (30 m)	Support for large distances	●	●	●	●	●	●
Guide ball	Centering of the camera head in pipe	●	●	●	●	●	●
Rapid charger	External battery charging Charging time 1 – 1.5 hours	●	●	●	●	●	●
Spare battery 18V/1.4 Ah	Prolongs battery-powered operating time, up to 2.5 hours	●	●	●	●	●	●

● = included

○ = not included



# Pipe & Drain TV Inspection

## ROLOC Locator

### Compact locating device

Easy to use, active ROLOC transmitter locating system with digital display. Reliably guides to the correct location, while continually



following the highest signal. Compact, handy and effective.

### Product Profile

#### KEY FEATURES

- Pin-point detection of leads 512 / 640 Hz, (even transmitters from competitors can be located)
- Clear, simple operation with digital numeric signal display, as well as bar chart with marked maximum. Additional acoustic alarm with volume control
- Switching between manual and automatic amplification is possible
- High mobility and flexibility. Can be used indoors and outdoors

#### TECHNICAL DATA

<b>Detection frequency:</b>	512 and 640 Hz
<b>Camera head sending frequency:</b>	512 or 640 Hz
<b>Dimensions:</b>	170 x 60 x 30 mm
<b>Weight:</b>	200 g



#### Information shown on digital Display

Quick and reliable locating with marked maximum and acoustic alarm



Fig. ROCAM® Locator – retrofitting set with transmitter



#### Yellow OLED display

Locating and device information are easily readable in sunlight

#### Frequency can be changed with a push of a button

Universal detection of 512 and 640 Hz transmitter frequencies

#### Indoor and outdoor use

Plastic housing protects from splash water (IP54)

**Can be retrofitted for ROCAM® mobile**

## ROCAM® Locator / Retrofitting Set

ROLOC transmitter locating system with digital display and a ROCAM® mobile high-performance camera head with integrated transmitter.

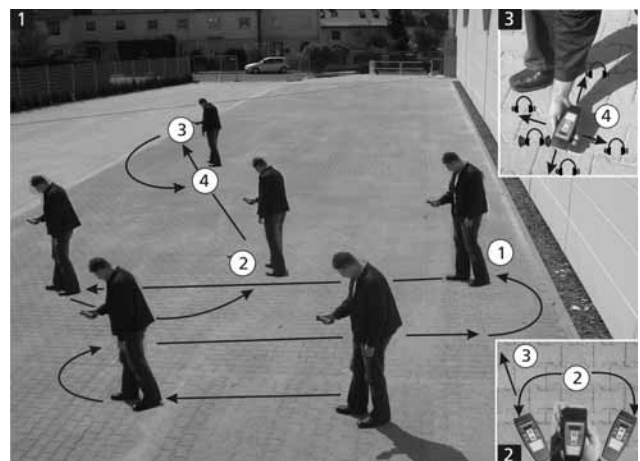
- High curve mobility of the camera head is given, even with the transmitter
- Camera head can be changed in just a few steps, locator can be used immediately

**5-part set (No. 6.9256)** includes: ROLOC Locator, protective bag, 2 x 1.5 V batteries, plastic carrying case

**6-part set (No. 1.9261, 1.9271)** includes: ROLOC Locator (No. 6.9256), camera head with sender b/w (No. 6.9502) or colour (No. 6.9506), 2 x 1.5 V batteries protective bag and plastic carrying case



#### Locating a camera head



Model	kg	No.	No.
ROLOC Locating Set	0.95	1	<b>6.9256</b>
Retrofit Set for Locator ROCAM® mobile b/w	1.25	1	<b>1.9261</b>
Retrofit Set for Locator ROCAM® mobile colour	1.25	1	<b>1.9271</b>





No. 6.9401



No. 6.9505

## ROCAM® Camera Head b/w and colour

### KEY FEATURES

- **Brilliant image resolution, very sharp pictures**  
High-performance pin-head objective
- **No adjusting of the objective required**  
Automatic white balance
- **Robust, durable and scratch-resistant**  
Sapphire lens with edge protection
- **Excellent flexibility**

### TECHNICAL DATA

Camera head:	Ø 33 mm
Diode illumination b/w:	14 LED
Diode illumination colour:	16 LED

Model			No.
Camera Head b/w	280	1	<b>6.9401</b>
Camera Head colour	280	1	<b>6.9505</b>
Camera Head b/w with sender, 640 Hz	295	1	<b>6.9402</b>
Camera Head colour with sender, 640 Hz	295	1	<b>6.9506</b>

## ROCAM® MINI MODULE 1.4

### KEY FEATURES

- New, shorter ROTHENBERGER MINI MODULE
- For professional inspection of small pipe diameters
- Optimum illumination in pipe systems
- Can be retrofitted and is compatible with all ROCAM® mobile and ROCAM® Plus-models, in colour or b/w, as well as PAL or NTSC

### TECHNICAL DATA

<b>For hollow spaces and pipes:</b>	Ø > 25 - 100 mm
<b>Curve flexibility:</b>	5 x 90° with DN 40
<b>Diode illumination:</b>	12 LED
<b>Flattened camera head:</b>	Ø 25 mm
<b>Push cable:</b>	Ø 3.5 mm x 5 m

Model			No.
MINI MODULE 1.4 b/w	780	1	<b>6.9151</b>
MINI MODULE 1.4 colour	780	1	<b>6.9161</b>



No. 6.9151/No. 6.9161

8



No. H8.2306



No. 7.4628

## ROCAM® Guide Ball / Guide Skid

### KEY FEATURES

#### Guide Ball

- **For centering the camera head in the pipe**  
Outer diameter 70 mm
- **Better illumination and increased lens coverage**  
Important with large pipe dimensions  
Can be used with push rod

#### Guide Skid

- **Flexible and quick adjustment of the pipe diameter**  
Plastic guide skid can be trimmed to size
- **Simple and fast use**  
For attachment to camera head. No tools necessary.

Model			No.
Guide Ball 35.5 mm	100	1	<b>7.4628</b>
Guide Skid	8	1	<b>H8.2306</b>

## ROCAM® Push Rod

### KEY FEATURES

- **Reliable guidance in large-diameter pipes**  
Tough and durable cable
- **Can be used as supplementary push cable**
- **Quick and easy to clean**  
Exposed reel
- **Use only in combination with guide ball**  
with ROCAM® mobile

### TECHNICAL DATA

Push cable diameter:	6 mm
Push cable length:	30 m

Model	kg		No.
Push Rod	4.5	1	7.4619



## Battery and Charging Unit for ROCAM® mobile

### KEY FEATURES

- **Prolongs battery-powered operating time**  
Spare battery
- **Battery is tightly secured**  
Battery is mounted with click mechanism
- **External battery charger**  
Independent charging of the battery offers optional flexibility

### TECHNICAL DATA

Spare battery:	18 V/1.4 Ah - NiCd
Operating time:	up to 2.5 h
Charger / charging time:	18 V / 1-1.5 h

Model	g		No.
Battery 18 V / 1.4 NiCd	800	1	6.9550
Charging Unit 18V	750	1	6.9555



## ROCAM® USB Video Adaptor

Analogue/digital converter for recording on laptop or PC

### KEY FEATURES

- For retrofitting on all ROCAM® models
- Fast and simple data storage
- For complete documentation of the analysis / inspection on laptop / PC, etc.
- Includes editing and DVD compilation software
- High speed USB 2.0

Model	g		No.
USB Video Adaptor *	300	1	6.9560

\* Not compatible with Vista



# Pipe & Drain TV Inspection

## ROCAM® Plus

Pipe and drain TV inspection camera with duo-power in colour, for pipes Ø 25 - 300 mm



Product Profile
<b>APPLICATION AREA</b>
Camera system for cost-effective inspection and damage analysis over long distances with self-levelling camera head and optional data archiving per ATV
<b>KEY FEATURES</b>
<ol style="list-style-type: none"> <li>1 Powerful, self-levelling precision camera head</li> <li>2 Precise guidance of the camera in pipe and drains</li> <li>3 Curve flexibility 90° from DN100 Mini Module 1.4 included as standard</li> <li>4 Conserves battery life and saves energy with automatic shut-off</li> <li>5 Up to 2.5 hours mobile and battery operated use. 12 V battery with on-board charger</li> <li>6 Exact distance determination of the camera head</li> </ol>

KEA FEATURES
<ol style="list-style-type: none"> <li>7 Excellent contrast and sharpness, continuously adjustable LED brightness</li> <li>8 For documentation of the inspection on video</li> <li>9 Direct data exchange with laptop / PC, etc., possible</li> </ol>
TECHNICAL DATA
<b>For hollow spaces and pipes:</b> Ø > 25 - 300 mm <b>Camera head:</b> Ø 40 mm <b>Diode illumination:</b> 36 LED <b>Push cable diameter:</b> Ø 7.5 mm <b>Push cable length:</b> 60 + 100 m <b>Weight:</b> 20 - 26 kg <b>Duo-Power:</b> For mains-operation (100 - 240V/50 - 60 Hz) and battery operation (12V) Charging time 1 - 1.5 h

### 5 Duo-Power

Up to 2.5 hours mobile and battery operated use. 12 V battery with on-board charger

### 4 Automatic shut-off when cover is closed

Conserves battery life and saves energy

### 6 Digital distance display is standard

Exact distance determination of the camera head

### 7 TFT Monitor

Excellent contrast and sharpness

8

### 3 Mini Module 1.3

Curve flexibility 90° from DN 100

### 2 Strong push cable 60 or 100 m

Precise guidance of the camera in pipes and drains even over long distances

### 8 Video In / Video Out

For video documentation of the inspection on video, via laptop / PC, etc. via accessories 6.9560

### 1 Self-levelling precision Camera head

Image is always up-right

### 9 COM interface / RS232

Direct data exchange with laptop / PC, etc. possible

### Integrated video signal correction

Optimum picture quality



Article in different Volt variants available on request



## ROCAM® Plus Sets

Sets include: ROCAM® Plus, power supply, Mini Module 1.3 colour, adaptor for Mini Module 1.3, Guide skid 40/65 mm for DN 70, Guide 40 / 65 mm for brush set Ø 100 mm and Ø 150 mm, 12 V car adaptor for cigarette lighter, testing adaptor for camera head impermeability test, battery, keyboard\*, professional drain software\* rolling skids for Ø 150 and 200 mm\*, carrying bag.

\*with 6.9740 and 6.9840

PC keyboard and professional drain software (with No. 6.9740 and No. 6.9840 included in delivery)

No loss of time, direct on-site data entry possible

Professional drain software

For logging



Fig. Transmitter unit ROCAM® Plus (No. 6.9850) (optional / retrofit, see page 255)

Model	Version	kg		No.
ROCAM® Plus colour with distance counter	60 m	20	1	<b>6.9725</b>
ROCAM® Plus colour with distance counter	60 m, data registration and professional drain software*	21	1	<b>6.9740</b>
ROCAM® Plus colour with distance counter	100 m	25	1	<b>6.9825</b>
ROCAM® Plus colour with distance counter	100 m, data registration and professional drain software*	26	1	<b>6.9840</b>

For accessories see 256 – 257

Rocam® Plus in operation



MINI MODULE 1.4 for the inspection of the smallest diameter pipes standard



Inspection of a rain downpipe gutter



Professional drain software per ATV



Functional principal camera head



# Pipe & Drain TV Inspection

**ROCAM® Plus accessories**

## Guide Skids for Rocam® Plus

### Guide Skids 40/65

For pipe diameters from 70 mm. Helps to centre and secure guidance of the camera head. Guide skids are easily mounted on camera head

### Guide Skids 40/65, extended

For use with brush attachment **DN 100** and **DN 150**. Guide skids are easily mounted on camera head



No. 6.9112

No. 6.9111

Model			No.
Guide Skid 40 / 65 mm for DN 70	200	1	<b>6.9111</b>
Guide Skid 40 / 65 mm, extended	200	1	<b>6.9112</b>

## ROCAM® Plus Adaptor

### Connection adaptor for MINI MODULE 1.4

For use of the high-performance modules with the ROCAM® Plus. Attached and ready for use in just a few steps

### Camera Head Test Adaptor ROCAM® Plus

#### Adaptor for impermeability test

Uncomplicated, on-site testing of the impermeability of the camera head. Test adaptor can only be used with ROCAM® Plus.



No. 6.9116

No. 6.9114

Model			No.
Connection adaptor MINI MODULE 1.4	100	1	<b>6.9114</b>
Impermeability test adaptor	100	1	<b>6.9116</b>

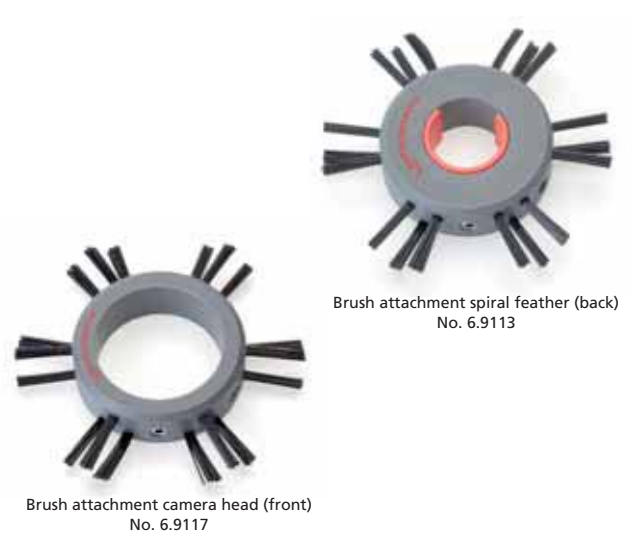
## Brush Attachment Set

### In DN 100 and DN 150

With high-quality, durable brushes. For adjustment and centering of the camera head.

Brush attachment **DN 100** For use in 100 - 150 mm pipes

Brush attachment **DN 150** For use in 150 - 200 mm pipes



Brush attachment camera head (front)  
No. 6.9117

Brush attachment spiral feather (back)  
No. 6.9113

Model			No.
Brush Attachment Set DN 100	200	1	<b>6.9113</b>
Brush Attachment Set DN 150	300	1	<b>6.9117</b>

## Rolling Skid

### For wide distances

For the adjustment and centering of the camera head. Less sliding drag with the full rubber wheels.

Rolling skid RS40/150 for Ø 150 - 200 mm pipes

Rolling skid RS40/200 for Ø 200 - 300 mm pipes



No. 6.9118

No. 6.9119

Model			No.
Rolling Skids RS40 / 150	700	1	<b>6.9118</b>
Rolling Skids RS40 / 200	700	1	<b>6.9119</b>

8



### Battery and Charging Unit for ROCAM® Plus

#### Spare battery

12 V high-performance battery for flexible use.  
Up to 2.5 hours operating time

#### Rapid charger

External 12 V charger for ROCAM® PLUS high-performance battery  
Charging time 1 – 1.5 h



No. 6.9570

No. 6.9575

Model			No.
Spare battery	800	1	<b>6.9570</b>
Spare battery charger	750	1	<b>6.9575</b>

### 12 V Car Adaptor

#### For connection to the cigarette lighter

Enables the ROCAM® Plus to be used and the battery to be charged using the vehicle's cigarette lighter. Guarantees high flexibility and mobility



12 V Car adaptor



Model			No.
12 Volt Car Adaptor	300	1	<b>6.9115</b>

### ROCAM® MINI MODULE 1.4 colour

#### High-quality camera module with flattened mini-camera head

Camera head Ø 25 mm with elongated housing that has been optimised. Excellent flexibility 5 x 90 with **DN 40**. Allows for use of ROCAM® Plus in smaller pipe diameters



Model			No.
MINI MODULE 1.4 colour	700	1	<b>6.9161</b>

### ROCAM® Plus Transmitter Unit

#### Retrofittable, 33 kHz

High-quality, active transmitter unit for precise detection of the ROCAM® Plus in pipes and hollow spaces

Attached and ready for use in just a few steps



Model			No.
ROCAM® Plus 33 kHz Transmitter Unit	400	1	<b>6.9850</b>





# Manual Drain Cleaning Equipment

## ROPUMP® SUPER PLUS

Professional force pump cleaner

For quick ease of traffic loads in basins, bowls, toilets etc.



### Product Profile

#### KEY FEATURES

- 1 Highest suck and pressure power thanks to a patented piston with double-sided sealing lip
- 2 Optimal adaption to the cleaning job
- 3 Pipe maintains biggest forces
- 4 Best transmission and optimal handling

Quick – Compact – Handy

- 2 Flexible, in all directions adjustable handle

Optimal adaption to the cleaning job

- 3 Base Body is monolithic

Maintains biggest forces

- 4 Ergonomic D-handle

Best transmission and optimal handling



- 1 Patented piston

Highest suck- and pressure power

Adaptor long  
No. 7.2071

No. 1.8047

Short and long Adaptor included in scope of delivery

8

Short adaptor



Long adaptor



Model	kg			No.
ROPUMP® SUPER PLUS with 2 Adaptors	2.00	1	4	<b>7.2070X</b>
ROPUMP® SUPER PLUS Display		1(8)		<b>1.8047</b>
Accessories				
Adaptor long	0.66	1		<b>7.2071</b>
Adaptor short	0.16	1		<b>7.2072</b>

## ROPUMP®

Force pump cleaner according to the air-pump principle with water pressure



Flexible socket

Various areas of application

Eases traffic loads in drains, basins, showers, bowls etc.

#### KEY FEATURES

- Small and handy
- Compact and effective

Model	g		No.
ROPUMP® with flexible socket	500	1	<b>7.1991</b>

# Manual Drain Cleaning Equipment

## 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

- **Perfect cleaning of incrustations with high torsion strength**  
Patented spiral (ROPOWER Profile Spiral) with special wire shape
- **Alkali-resistant and weather proof**  
Galvanized ROPOWER profile spiral
- **Extendable working length**  
Spiral with ROTHENBERGER secure T-groove quick coupling

#### TECHNICAL DATA

ROPOWER PROFILE Spiral 16 mm without plastic core

Set (No. 7.1973) includes: ROPOWER PROFILE Spiral 2.3 m without core (No. 7.2494), manual crank (No. 7.1976), safety gloves (No. H8.1401), separating pin (No. 7.2100), blade cutter Ø 25 mm (No. 7.2169)

Model	kg		No.
ROPOWER HANDY complete	1.7	1	7.1975
<b>ACCESSORIES</b>			
Manual crank	0.4	1	7.1976
ROPOWER PROFILE CABLE without plastic core	1.2	1	7.2494



Safety gloves



ROPOWER PROFILE SPIRAL without plastic core

50% more cleaning power and improved flexibility



Separating pin

Fast release of tools from the spiral

Cross-blade cutter

Ideal for the removal of soft deposits



Crank with 16 mm spiral coupling



ROTHENBERGER secure T-groove quick coupling

Suitable for connection to all 16 mm ROTHENBERGER drain cleaning tools

## WC-BLITZ RO-3 Toilet Auger

#### KEY FEATURES

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

Model	kg		No.
WC-BLITZ RO-3 complete with spiral	2.75	1	7.8551



Ergonomic handle with soft grip inlet

Reliable and safe use, firm grip

Angle with plastic protection

No damage to ceramic surfaces in the visual range

Universal bulb auger

High cleaning effect

## 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

You'll find further tools with 16 mm couplings starting on **277**

Model	kg		No.
Manual drain cleaner Type 3 S, complete	17.50	1	7.2003
Spare spiral Ø 13 mm x 15 m	7.00	1	7.2016
Cross-blade cutter, Ø 35 mm	0.04	1	7.2176
Separating pin	0.01	1	7.2100



Set includes (No. 7.2003): Manual drain cleaner Type 3 S (No. 7.2003), spirals Ø 13 mm x 15 m (No. 7.2016), cross-blade cutter Ø 35 mm (No. 7.2176) and separating pin (No. 7.2100)



# Manual and Electrical Drain Cleaning Equipment

## ROSPI H+E PLUS

### Professional manual and electrical drain cleaning unit

Comfortable use with battery / drill machines

#### Product Profile

##### KEY FEATURES

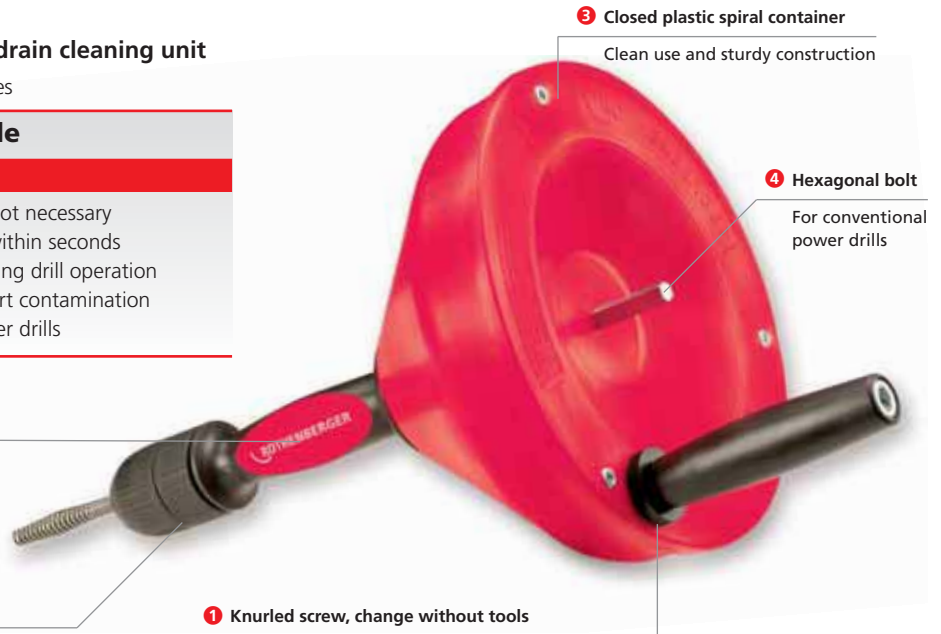
- Removal of sinks and siphon filters is not necessary
- ❶ Switch from manual to electrical use within seconds
- ❷ Secure hold even at higher speeds during drill operation
- ❸ Impact-resistant and protected from dirt contamination
- ❹ Hexagonal drive for conventional power drills

##### ❷ Ergonomic handle with soft grip inlay

Safe grip and operation even at high speed

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

Removes dirt in hard-to-reach spaces



Manual operation



Switch from manual to electrical



Electrical operation with cordless drill



Model		kg		No.
ROSPI 6 H+E Plus 4.5 m		1.4	1 2	<b>7.2090</b>
ROSPI 8 H+E Plus 7.5 m		3.5	1 2	<b>7.2095</b>
ROSPI 10 H+E Plus 10.0 m		4.8	1 2	<b>7.2005</b>
For spare spirals see  274				

## ROSPI R 36 Plus

### Electrical drain cleaning unit, battery-powered or standard, Ø 20 - 75 mm

Ideal for small jobs in the kitchen, bathroom or toilet



#### Product Profile

##### 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
- **Various uses**, Ø 8 mm and 10 mm spirals can be used
- Spirale Ø 8 mm x 7.5 m **with bulb head auger** included

##### TECHNICAL DATA

<b>For pipes:</b>	20 - 75 mm
<b>R36 Plus battery version:</b>	Approx. 1 hour operating time
<b>R36 charging unit:</b>	1 hour rapid charge
<b>R36 Plus Standard:</b>	electric drive 230 V
<b>Double insulation</b>	
<b>Continuous speed adjustment in both directions</b>	
<b>Working length</b>	7.5 m

#### Mobile use with battery version



No. 7.2520

Model		kg		No.
ROSPI R 36 Plus 18 V battery version		6.6	1	<b>7.2520</b>
Spare high-performance battery		0.7	1	<b>7.2516</b>
ROSPI R 36 Plus standard version		4.7	1	<b>7.2525</b>
Battery charger unit + AC adaptor		1.0	1	<b>7.2513</b>
For spare spirals see  274				

# Manual and Electrical Drain Cleaning Equipment

## ROSPIMATIC

Electrical pipe and drain cleaning machine Ø 20 - 75 mm

Powerful and quick removal of tough obstructions



### Product Profile

#### KEY FEATURES

- 1 Fast and comfortable switch between automatic forward and reverse, high safety because hand grip doesn't need to be changed
- 2 Individually adjustable for each cleaning job
- 3 Safe use even with gloves
- 4 Spiral with incorporated bulb head auger with steel core
- 5 Optimum balance of weight

#### TECHNICAL DATA

Application range:	20 - 50 mm (Ø 8 mm)
Application range:	20 - 75 mm (Ø 10 mm)
Working length:	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 <sup>-1</sup>

### One-of-a-kind spiral control mechanism



#### 1 One-of-a-kind spiral control mechanism

Quick and comfortable switching between automatic forward and reverse, high safety because hand grip doesn't need to be changed

#### 3 Large locking knob

Safe use even with gloves

Forward and reverse

#### 4 Spiral with steel core and incorporated bulb auger

Removal of dirt in hard-to-reach places

#### 5 Optimum balance of weight

Energy saving operation

#### 2 Electronic speed limit / feed speed regulation

Individually adjustable for each kind of cleaning job

Fast removal of obstructions



For additional accessories see 277

Article in 110 Volt available on request



Model			No.
ROSPIMATIC* incl. 8 mm / 7.5 m spiral, 230 V	1	1	<b>7.8576</b>
Spiral 8 mm / 7.5 m with steel core	1	1	<b>7.2413</b>
10 mm / 7.5 m spiral/tool set*			<b>7.2479</b>

Set (No. 7.2479) includes: \*10 mm spiral (No. 7.2423) can be used with the following tools, cross blade cutter (No. 7.2176), bulb auger (No. 7.2163), sharktooth cutter (7.2164), funnel auger (No. 7.2165), separating key (No. 7.2100), ROWONAL (No. 7.2142), in case (No. 5.5016), (available beginning in May 2009)

# System Overview Pipe & Drain Cleaning Machines

## Powerful ROTHENBERGER Portable Machines for the Professional



Practical construction that supports the installer as well as the pipe and drain cleaning specialist.

The heavy-duty motor has been optimally designed for various cleaning tasks and guarantees professional operation.

With the portable machines, segmented spirals are coupled together which allows the operator to turn only as many spirals as required. All these machines work on a manual feeding system.

The advantage of the portable machines lies in the fast rotation of the spirals.

This enables the use of chain spinning heads for effective pipe cleaning.

These machines feature exceptionally good force transmission and high functional safety. Radial clamping of the spirals with the patented CENTRE-LOCK clutch jaw technology is also on board.

Sturdy, durable and low-maintenance. Portable machines that you can count on!

The comprehensive product range offers the exact cleaning accessory you need!

**Patented, central force transmission directly on the driveshaft**

Individual and flexible working range with the different spiral diameters

Direct connection of spirals or adaptor magazine/clutch jaws (R750)

Field tested motor with right/left rotation

Stable rotational speed and strong stroke

Patented jaw clamp system **CENTRE-LOCK**

Exceptional functional safety and central force transfer direct on the spiral (motor / spiral)

Low-friction toothed belt and geared drive pinion

Optimum force transmission and no slipping of the drive shaft

Noise suppression and protected from splash water per IP 44

Safe use



### R 550

Drain cleaning machine for pipe Ø 20 - 100 mm, max. working length 40 m with Ø 16 mm S-spirals

Lockable drive lever serves as handle



Adaptor magazine for 8 mm and 10 mm spirals



### R 600

Drain cleaning machine for pipe Ø 20 - 150 mm, max. working length 60 m with Ø 22 mm S-spirals

Reinforced protective guide hose with precision quick coupling



Adaptor magazine for 8 mm and 10 mm spirals



# System Overview Pipe & Drain Cleaning Machines

## Product Profile

### System characteristics of all portable machines

R 550, R 600, R 650, R 750

- 1 Reliable lengthening and shortening of the spirals
- 2 Stable, warp-free and lightweight
- 3 Easy to transport, ideal for mobile use
- 4 Safe and kink-free guidance of the spiral, clean use
- 5 Robust and light



**2 Die-cast aluminium frame**

Stable, warp-resistant and lightweight

**3 Drive lever can be locked in stop position and can be used as carrying handle**

Easy to transport, ideal for mobile use

**4 Guide hose with precision quick coupling**

Guaranteed safe and kink-free guidance of the hose and prevents dirt contamination

**5 Side panels made of fibre-glass reinforced polyamide**

Robust and light

**1 Integrated clamping device**

For secure lengthening and shortening of the spirals

**100% stronger\***



**Tripod Stand:**

Secure, slip-free stand for comfortable use in an upright position, for example when cleaning toilets and revision openings (special accessories)

## R 650

Drain cleaning machine for pipe Ø 20 - 150 mm, max. working length 65 m with Ø 22 mm S-spirals

Drive lever can be fitted on the side



Adaptor magazine for 8 mm and 10 mm spirals



## R 750

Drain cleaning machine for pipe Ø 20 - 200 mm, max. working length 80 m with Ø 32 mm S-spirals

Can be rotated 180° and locked for easy wheeling



Clutch jaws can be easily inserted for Ø 8, 10, 16 mm spirals



\* In comparison to R600





# Pipe & Drain Cleaning Machines

Please pay attention to system characteristics / advantages on pages 260 / 261!



Includes: R 550 basic machine and guide hose (No. 7.2547)

Model		230 V	110/115 V
R 550 including guide hose	16.0	<b>7.2686</b>	<b>7.2631</b>
Tool sets and accessories starting on  270			

## R 550

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

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

#### Product Profile

##### APPLICATION AREA

##### Especially light, compact and handy design:

Ideal for obstructions in wash basins, toilets, sewage pipes, floor drains and downpipes

##### KEY FEATURES

- Extremely light, only 16 kg
- Direct up-take 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

<b>For pipe diameters:</b>	Ø 20 - 100 mm
<b>With direct up-take:</b>	Ø 16 mm spirals
<b>With adaptor magazine:</b>	Ø 8 mm and 10 mm
<b>Max. working length:</b>	40 m with Ø 16 mm S-spirals 10 m with Ø 8 and 10 mm spirals
<b>Rating:</b>	0.25 kW (0.34 HP)
<b>Voltage:</b>	230 / 110 / 115 V, 50 Hz
<b>Speed:</b>	583 min <sup>-1</sup> , RH and LH drive
<b>Weight:</b>	16.0 kg

8



Includes: R 600 basic machine and guide hose (No. 7.2541)

Model		230 V	110/115 V
R 600 including guide hose	20.9	<b>7.2687</b>	<b>7.2632</b>
Tool sets and accessories starting on  270			

## 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 are 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

<b>For pipe diameters:</b>	Ø 20 - 150 mm
<b>With direct up-take:</b>	Ø 22 and 16 mm Spiralen
<b>With adaptermagazine:</b>	Ø 8 and 10 mm
<b>Max. working length:</b>	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
<b>Rating:</b>	0.4 kW (0.55 HP)
<b>Voltage:</b>	230 / 110 / 115 V, 50 Hz
<b>Speed:</b>	467 min <sup>-1</sup> , RH and LH drive
<b>Weight:</b>	20.9 kg

Article in different Volt variants available on request

Please pay attention to system characteristics / advantages on pages 260 / 261!

## Pipe & Drain Cleaning Machines

### R 650

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

For professional mobile drain cleaning. Compact, robust and powerful, even in extreme working conditions

#### 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

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

##### TECHNICAL DATA

<b>For pipe diameters:</b>	Ø 20 - 150 mm
<b>With direct up-take:</b>	Ø 22 and 16 mm spirals
<b>With adaptor magazine:</b>	Ø 8 mm and 10 mm
<b>Max. working length:</b>	65 m with Ø 22 mm S-spirals 55 m with Ø 16 mm S-spiral 10 m with Ø 8 and 10 mm spirals
<b>Rating:</b>	0.8 kW (1,1 HP),
<b>Voltage:</b>	230 / 110 / 115 V, 50 Hz
<b>Speed:</b>	623 min <sup>-1</sup> , RH and LH drive
<b>Weight:</b>	22.8 kg



Includes: R 650 basic machine and guide hose (No. 7.2541)

Model	⚖️	230 V	110/115 V
R 650 including guide hose	22.8	<b>7.2688</b>	<b>7.2633</b>
Tool sets and accessories starting on 📖 270			

### R 750

#### Drain cleaning machine for pipe Ø 20 - 200 mm

For professional mobile drain cleaning. Compact, robust and powerful, even in extreme working conditions

#### Product Profile

##### APPLICATION AREA

**Perfectly suited for the cleaning of domestic connections and main pipes:** Quiet operation and powerful cleaning action. Suitable for continuous use such as chain spinning, grinding and cutting roots.

##### KEY FEATURES

- Drive lever can be rotated (180°), locked and a handle for easy wheeling
- Direct up-take of 32 mm and 22 mm
- Optional Ø 8, 10 and 16 mm with clutch jaw possible
- Maximum working length 70 m, with Ø 22 mm S-spirals

##### TECHNICAL DATA

<b>For pipe diameter:</b>	Ø 20 - 200 mm
<b>With direct up-take:</b>	Ø 32 and 22 mm spirals
<b>With clutch jaw:</b>	Ø 8, 10 and 16 mm
<b>Max. working length:</b>	80 m with Ø 32 mm S-spirals 70 m with Ø 22 mm S-spirals 55 m with Ø 16 mm S-spirals 10 m with Ø 8 and 10 mm spirals
<b>Rating:</b>	0.9 kW (1.23 HP)
<b>Voltage:</b>	230 / 110 / 115 V, 50 Hz
<b>Speed:</b>	467 min <sup>-1</sup> , RH and LH drive
<b>Weight:</b>	33.5 kg



Includes: R 750 basic machine and guide hose (No. 7.2559)

Model	⚖️	230 V	110/115 V
R 750 including guide hose	33.5	<b>7.2689</b>	<b>7.2634</b>
Tool sets and accessories starting on 📖 270			

Article in different Volt variants available on request





# Pipe & Drain Cleaning Machines

## ROSPEED 3F

High-performance pipe cleaning innovation for pipe  
Ø 50 - 125 mm, tic spiral feed and return



Product Profile	
<b>APPLICATION AREA</b>	
Ideal for pipe and drain cleaning companies, plumbers, hospitals, food and beverage outlets, schools, nursing homes, facility management, and many more	
<b>KEY FEATURES</b>	
<b>1 3F</b> – three functions in one unit: <b>1. Scrubbing</b> <b>2. Pulsating</b> <b>3. Final cleaning</b> <b>1</b> Clear and easy to control <b>2</b> Spiral will not twist or turn in drum <b>3</b> Spiral control in direction of rotation for optimal handling <b>4</b> Secure lengthening or shortening of the spiral <b>5</b> Easy cleaning of the drum <b>6</b> Grip is easy to extend and pack away	

KEY FEATURES	
<b>7</b> Toolbox immediately ready-to-use ● One-of-a-kind, automatic rpm control ATC – Automatic Torque Control ● Stable stand with self-suction rubber feet	
TECHNICAL DATA	
<b>For pipe diameter:</b>	Ø 50 - 125 mm
<b>With direct up-take:</b>	Ø 16 mm
<b>Max. working length:</b>	15 m up to 30 m expandable
<b>Rating:</b>	250 W
<b>Speed:</b>	270 - 340 min <sup>-1</sup> , 3 Step adjustable
<b>Weight:</b>	47.5 kg



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

**1 Electronic display – 3F**  
Clear and easy control of the 3 cleaning functions

**2 Forced guidance of the spiral, parallel layer winding, remains balanced**  
Spiral will not twist or turn in the drum

**3 Spiral control in direction of rotation, automatic feed and retraction**  
Optimum handling

**4 Clamping mechanism with T-groove coupling**  
For secure lengthening or shortening of the spiral

**5 Cleaning plug on the back side of the drum**  
Easy cleaning of the drum

**6 Stainless steel grip**  
Easy to extend and pack away

**7 Toolbox is included in delivery**  
Immediately ready-to use

**8**

Protects the spiral with reinforced cable guidance in the drum

# Pipe & Drain Cleaning Machines



## 3 cleaning functions in one unit (3F)

Functions can be changed with ease during operation:



### Scrubbing

Find and begin removing obstruction with 270 min<sup>-1</sup>



### Pulsating – WORLD INNOVATION (Patent bending)

Pulsating removal of the obstruction. Switches automatically between 270 - 340 min<sup>-1</sup>



### Final cleaning

Removes the last residue from pipes at 340 min<sup>-1</sup>  
Optimum rotational speed for the use of chain-spinning heads >300 min<sup>-1</sup>

Can also be used in horizontal position for use in e.g. manholes and riser pipes



Reinforced guide hose with precision quick coupling

Safe use

## With 6 professional tools to get started

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



included in delivery

Set (No. 7.2960) for Standard 16 mm includes: Basic machine, straight auger (No. 7.2161), bulb auger (No. 7.2163), retrieving auger (No. 7.2162), chain-spinning head (No. 7.2185F), cross-blade cutter, serrated (No. 7.2176), spiral sawtooth cutter (No. 7.2166), separating pin (No. 7.2100), guide hose (No. 7.2540), ROWONAL spray (No. 7.2142), plastic carrying case

Model	kg	⊞	No.
ROSPEED 3F (230 V) with tool set	47.5	1	<b>7.2960</b>
Spiral 16 mm x 15 m with steel core	15.0	1	<b>7.2918</b>

## ACCESSORIES

Description	kg	⊞	No.
Guide glove, left	0.21	271	<b>7.2120</b>
Guide glove, right	0.21	271	<b>7.2121</b>
ROWONAL-Spray, 200 ml	0.22	271	<b>7.2142</b>
Additional accessories starting on  270			



# Pipe & Drain Cleaning Machines

## Industrial Pipe & Drain Cleaning

For continuous industrial operation in pipe and drains with  $\varnothing$  50 - 600 mm

Ideal for use in private households, industrial pipe networks, municipal facilities, maintenance services, hotels, hospitals, for main pipes, industrial pipes sewers, roof drainage, etc.

### R 80

One-man professional machine



Includes: Basic machine, grease gun (No. 85.5156), Allen keys (1 x No. 32.1515, 1 x No. 32.1188, 1 x No. 32.1189), open-ended spanners (1 x No. 31.0411, 1 x No. 31.0450)

Model		230 V	110/115 V
		50 Hz	50 Hz
R 80 basic machine	52.0	7.2585	7.2857
Spirals and accessories starting on  270			

### Product Profile

#### KEY FEATURES

- Extremely powerful, high torque and suitable for continuous industrial use
- Tubular steel frame with side panels of fibreglass reinforced polyamide
- Rugged, foldable, corrosion-protected construction
- Safe, radical clamping, optimum force transmission, functional safety, simple replacement
- Reinforced guide hose with precision quick coupling
- Ensures safe, kink-free spiral feed and prevents dirt contamination
- 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 diameter:	$\varnothing$ 50 - 250 mm
For drain cleaning spirals:	$\varnothing$ 22 and 32 mm
Max. working length:	80 m with $\varnothing$ 32 mm S-spirals 70 m with $\varnothing$ 22 mm S-spirals
Rating:	1.4 kW (1.9 HP) RH / LH rotation
Weight:	52 kg

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### R 100 SP

One-man professional machine



Includes: Basic machine, grease gun (No. 85.5156), Allen key (No. 32.1515), open-ended spanners (No. 31.0450)

Model		230 V	110/115 V
		50 Hz	50 Hz
R 100 SP basic machine	57.0	7.2610	7.2860

### Product Profile

#### KEY FEATURES

- Smallest dimensions, fits through drain openings with  $\varnothing$  800 mm
- Ideal for confined spaces such as skylights or ducts
- Portable and easy to navigate stairs
- 2 adjustable working heights, foldable
- Extendable supporting feet
- Transports easily in any service vehicle

#### TECHNICAL DATA

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

R 80 / R 100 SP



No.

#### ACCESSORIES

Guide hose FS 32 / length 4 m	4.1	7.2559
Clutch jaws R 80 / 100 SP for 22 mm spirals	0.4	7.2561
Clutch jaws R 80 / 100 SP for 32 mm spirals	0.3	7.2562
Spirals and accessories starting on  270		

# Pipe & Drain Cleaning Machines

## R 140 B

For municipal and industrial applications  
 Ø 100 - 600 mm

Petrol motor 4.8 kW

### Product Profile

#### KEY FEATURES

- **Effortless conversion from spiral to rodding operation**  
 Working range from Ø 100 - 250 mm with 32 mm spirals  
 Working range from Ø 150 - 600 mm with rods
- 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

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

Ample accessories

Flexible application



Guide hose

Protects against damage and contamination

Integrated toolbox

Ample space for additional accessories

Integrated parking brake

Secure stand of the machine



Fig. Included in delivery (No. 7.2971)

Includes (No. 7.2971): R 140 (No. 7.2970) with rod, 25 x adaptor 3/4" (No. 7.8581), funnel auger 3/4" (No. 7.8585), screw auger 3/4" (No. 7.8583), straight auger 3/4" (No. 7.8582), guide glove, left (No. 7.2120), guide glove, right (No. 7.2121), separating pin (No. 7.2101)

Model	kg	No.
R 140 with rod and tool set	108.50	<b>7.2971</b>
R 140 basic machine	97.00	<b>7.2970</b>
Adaptor 3/4", Ø 6 mm, 1.5 m	0.25	<b>7.8581</b>
Funnel auger	0.25	<b>7.2322</b>
Chalice auger	0.25	<b>7.2320</b>
Straight auger	0.25	<b>7.2321</b>
Rod turning grip	0.56	<b>7.8580</b>
Bulb auger	0.38	<b>7.2771</b>
Retrieving auger	0.10	<b>7.2325</b>
Spiral-sawtooth cutter	0.15	<b>7.2329</b>
Guide glove, left	0.21	<b>7.2120</b>
Guide glove, right	0.21	<b>7.2121</b>
Separating key	0.20	<b>7.2101</b>
Tool adaptor for mounting	0.10	<b>7.2122</b>
spiral tools 32 mm		
Dual spade head cutter, length 90 mm - Ø 45 mm	0.12	<b>7.2774</b>
Serrated forked cutter, length 110 mm - Ø 60 mm	0.10	<b>7.2780</b>
Serrated forked cutter, length 110 mm - Ø 85 mm	0.12	<b>7.2781</b>

Use with spirals



Use with rods



Model	kg	No.
Serrated forked cutter, length 110 mm - Ø 112 mm	0.14	<b>7.2782</b>
Tool adaptor for mounting / rods	3.75	<b>H 9.9120</b>
Guide hose FS 32 / length 4 m	4.10	<b>7.2559</b>
Standard 32 mm, tool / spiral set	41.00	<b>7.2962X</b>
<b>Additional accessories starting on 270</b>		


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# Accessories for Pipe & Drain Cleaning Machines



## Clutch Jaws


For machine type	For spirals		No.
<b>R 550</b>			
(from Serial No. 411542)	16 mm	0.1	<b>7.2538</b>
(up to Serial No. 411541)	16 mm	0.1	<b>7.2536</b>
<b>R 600/650</b>			
(from Serial No. 409001)	16 and 22 mm	0.3	<b>7.2638</b>
(up to Serial No. 409000)	16 and 22 mm	0.3	<b>7.2666</b>
<b>R 750</b>			
R 80/100 SP	16 mm	0.3	<b>7.2560</b>
R 80/100 SP	22 mm	0.4	<b>7.2561</b>
R 80/100 SP	32 mm	0.3	<b>7.2562</b>

No. 7.2514, No. 7.2515      No. 7.2511



## 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	Max. spiral length		No.
R 550	8 and 10 mm	10 m	1.3	<b>7.2511</b>
R 600/650	8 mm	10 m	1.8	<b>7.2514</b>
R 600/650	10 mm	10 m	1.8	<b>7.2515</b>



No. 7.2915

## Clutch Jaws for R 750

For machine type	For spirals		No.
R 750	8 and 10 mm	0.4	<b>7.2914</b>
R 750	16 mm	0.3	<b>7.2915</b>

Ensures safe, kink-free spiral feed




No. 7.2541

No. 7.2559

With precision quick coupling

## Spiral Guide Hoses

- Prevents contamination and damage

Description	For machine type	For spirals	Length		No.
FS 16	R 550/ROSPEED 3F	16 mm	2 m	1.1	<b>7.2540</b>
FS 16	R 550/ROSPEED 3F	16 mm	4 m	2.2	<b>7.2547</b>
FS 22	R 600/650	22 mm	4 m	2.8	<b>7.2541</b>
FS 32	R 750/80/100	32 mm	4 m	4.1	<b>7.2559</b>



## Toilet Protection Hose

- For the protection of ceramic
- With adjustable holding clamp


For spirals	Length		No.
Ø 8, 10, 16 mm	540 mm	0.4	<b>7.2705</b>

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		No.
R 550 - R 600 - R 650 - R 750	3.0	<b>5.8182</b>



# Accessories for Pipe & Drain Cleaning Machines

## 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



Description	kg	No.
Spiral retrieving device	3.7	7.2135

## Telescoping Guide Tubes

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



No. 7.2131

Description	Extended length m	Type	kg	No.
For spirals Ø 16, 22 mm	1.4 - 2.3	2 pieces	3.0	7.2130
For spirals Ø 22, 32 mm	1.9 - 4.3	3 pieces	10.0	7.2131

## Spiral Guide Gloves

- For safe grasping and guiding of cleaning spirals

- Full leather with short cuff
- Robust and comfortable.  
Inner glove surface studded with metal slip rivets



No. 7.2121

No. 7.2120

Description	Model	g	No.
Guide glove	left	210	7.2120
Guide glove	right	210	7.2121

## ROWONAL Care- and Rust Remover

- Preservation of spirals, couplings and tools

- For cleaning, rust-removal and disinfection
- Contents of spray can are CFC-free



No. 7.2140



No. 7.2142

Description	Content	g	No.
Spray can	0.2 l	220	7.2142
Plastic canister	5.0 l	5100	7.2140
Manual sprayer, empty	0.5 l	90	7.2141

## Separating Pin

- For disconnecting spirals and spiral tools



No. 7.2100



No. 7.2101

Description	g	No.
For spirals / tools with Ø 16 mm	20	7.2100
For spirals / tools with Ø 22 and 32 mm	30	7.2101

## Spiral Baskets

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



No. 7.2111

No. 7.2112

No. 7.2109

No. 7.2110

Description	Spiral length max.	kg	No.
For spirals with Ø 8 / 10 mm	7.5 / 10 m	1.0	7.2109
For spirals with Ø 16 mm	34.5 m	1.3	7.2110
For spirals with Ø 22 mm	22.5 m	1.6	7.2112
For spirals with Ø 22, 32 mm	22.5 m	2.3	7.2111

# Drain Cleaning Spirals

## ROTHENBERGER High-Performance Drain Cleaning Spirals

For the toughest demands during continuous operation

### Product Profile

#### KEY FEATURES

- **Reliable, high-performance spirals with long service life**  
Abrasion-proof and wear resistant special steel
- **For the toughest demands even during continuous operation**  
High material characteristics, optimum wire gauge, perfected production process
- **Maximum spring tension with high elasticity and flexibility**  
Specially hardened and tempered
- **Optimum high torque transmission, won't tangle at contact**  
Tightly wound
- **Increased spiral tension when machine turns clockwise and depending on the resistance of the obstruction**  
Professional left-handed wound spiral
- **Quick and simple lengthening and shortening of spirals for fitting / removing drain cleaning tools, as well as powerful torque transmission**  
Proven T-groove secure coupling system with NIROSTA locking pressure pin
- **Quick, trouble-free coupling even when wearing gloves**  
Bevelled lead-ins on the spiral couplings

Environmentally friendly pipe cleaning: no chemicals!



#### KEY FEATURES

- **Saves costs when coupling spirals with different diameters**  
Reducers and extensions are available in various diameters
- **Spare couplings can be mounted easily**  
Spirals with sufficiently dimensioned connection coils on both sides
- **Ensures operational safety even during long periods of continual use due to reduced danger of corrosion and breakage. Also prevents loss of spirals and tools in pipe.**  
High-quality construction: Spring mounted NIROSTA stainless steel pressure pin with NIROSTA stainless steel spring

#### TECHNICAL DATA

Manufactured from quality spring steel, Type C-DIN 17223, Material No. 1.1200

Specialy hardened and tempered

T-groove secure coupling system with NIROSTA locking pin

Spring mounted NIROSTA pressure pin with NIROSTA spring

## ROTHENBERGER Lock Ring

One-of-a-kind safety ring for the optimum transmission of the torque pressure onto the coupling with 100% surface pressure

With Lock Ring



#### 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

#### KEY FEATURES

- **Optimum force transmission for professional pipe cleaning**
- **Increased safety**
- **Increased durability / service life of the spiral**

Patent pending



Safety ring made of flexible and self-binding material



Self-locking connection of spiral and coupling



T-groove secure coupling system with bevelled lead-ins for easy coupling



Spring mounted NIROSTA pressure pin with NIROSTA spring



With Lock Ring

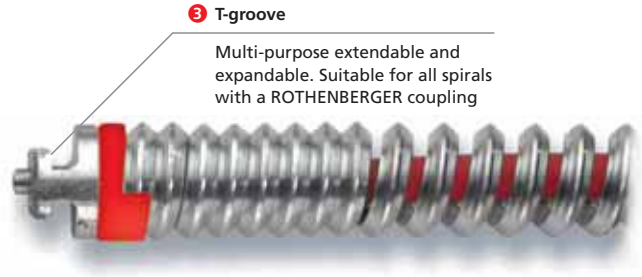
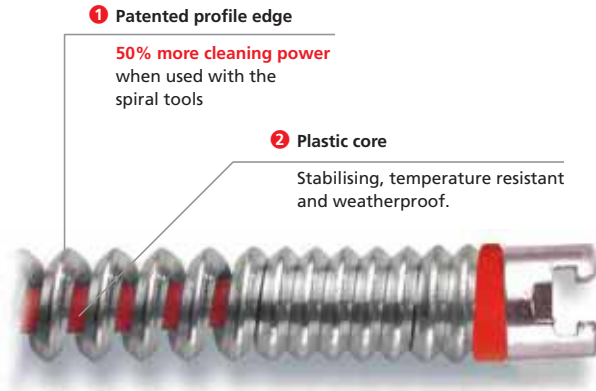


# Drain Cleaning Spirals

## ROPOWER Profile Cable

### Patented spiral with special galvanized wire shape

Intended for extreme cleaning operations in large-diameter pipes, preferable for use over large distances and for straight sewer or pipe runs



mm	core	inch	m	kg	No.
16 *	●	5/8"	2.3	1.3	7.2490
22 *	●	7/8"	4.5	4.7	7.2492
32 *	●	1.1/4"	4.5	8.3	7.2493

\* Square spiral coupling

### KEY FEATURES

- Dual cleaning effect**  
Cleaning effect through the spiral tools, first-class support with the patented profile edge of the ROPOWER profile spiral.
- Extremely tough and resilient**  
Temperature and leach resistant, weatherproof
- Multi-purpose, extendable and expandable**  
Suitable for all spirals and heads with a ROTHENBERGER coupling

Usable with all ROTHENBERGER spirals with T-groove coupling



For the toughest demands even during continuous operation  
ROPOWER profile cable cleans with the patented profile edge

## Standard Spirals

For general-purpose cleaning jobs with normal demands and shorter distances. Easy to use, even in tight bends or in a succession of pipe bends.



## S-Spirals

Higher strength and better torque transmission due to the **increased wire diameter**, higher tautness and twisting resistance. Suitable for demanding work, such as root cutting, grinding out and chain-spinning and for longer distances.



## SMK-Spirals

With **black plastic core**, temperature resistant and weatherproof, and spiral will not clog with debris. For extremely difficult cleaning jobs in large-diameter pipes, preferable used over long distances and in straight sewer or pipe runs.



## S-SMK-Spirals

With **red plastic core**, temperature-resistant and weatherproof. For extreme cleaning jobs in large-diameter pipes, preferably used over long distances and straight sewer or pipe runs.



With safety coupling suitable for ROTHENBERGER drain cleaning machines R 550 to R 140 B  
For drain cleaning machines from other manufacturers with spirals Ø 16 mm - 5/8", 22 mm - 7/8" and 32 mm - 1.1/4"

## Safety T-Couplings

Description	20g	16 mm / 5/8"	20g	22 mm / 7/8"	20g	32 mm / 7/8"
<b>for Standard- and SMK spirals</b>						
positive	20	7.2150	40	7.2210	100	7.2310
negative	20	7.2151	40	7.2211	100	7.2311
<b>for S- and S-SMK spirals</b>						
positive	20	7.2152	40	7.2212	100	7.2312
negative	20	7.2153	40	7.2213	100	7.2313
<b>for ROPOWER profile cable</b>						
positive	20	7.2156	40	7.2206	100	7.2323
negative	20	7.2157	40	7.2207	100	7.2307

(each a complete pair)

### For repairing broken spirals



No. 7.2150

No. 7.2151

No. 7.2212

No. 7.2213





# Drain Cleaning Spirals



## Spirals 8 mm / 10 mm

### KEY FEATURES

- Heavy duty spiral made out of special steel with integrated bulb auger (except No. 7.2424)
- Suitable for ROSPI H + E Plus, ROSPI 36 Plus, ROSPIMATIC as well as R 550, R 600, R 650 (with adaptor) or R 750 (with clutch jaw)
- 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	R/K m	Type	Steel-core	Use for ROSPI	kg	No.
6.4	2 mm	4.5	-	-	R 6	0.8	<b>7.2522</b>
8	2 mm	7.5	C 1	-	R 8 - R 36	1.8	<b>7.2412</b>
8	2 mm	7.5	C 1 - IC	●	R 8 - R 36	2.3	<b>7.2413</b>
8	2 mm	10.0	-	-	R 8 - R 36	2.4	<b>7.2414</b>
8	2 mm	10.0	-	●	R 10 - R 36	3.0	<b>7.2415</b>
10	2.5 mm	10.0	C 5	-	R 10 - R 36	3.5	<b>7.2422</b>
10	2.5 mm	7.5	C 4	-	R 10 - R 36	2.9	<b>7.2420</b>
10	2.5 mm	7.5	C 4 - IC	●	R 10 - R 36		<b>7.2423</b>
with T-groove coupling							
10	2.5 mm	7.5	-	-	R 10 - R 36		<b>7.2421*</b>
10	2.5 mm	7.5	-	●	R 10 - R 36	2.9	<b>7.2424*</b>

\*with coupling

## Reducing / Extension Pieces

### For spirals with T-coupling

Description	negative	positive	kg	No.
Extension piece	16 mm	22 mm	140	<b>7.2461</b>
Reducing piece	22 mm	16 mm	150	<b>7.2460</b>
Extension piece	22 mm	32 mm	320	<b>7.2463</b>
Reducing piece	32 mm	22 mm	330	<b>7.2462</b>

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



## Standard Spirals

- For general-purpose cleaning jobs with normal demands and shorter distances.
- Easy to use, even in tight bends or in a succession of pipe bends.



mm	inch	m	Wire size Ø mm	R/K Type	kg	No.
16	5/8"	2.3	3.0	C 8	1.05	<b>7.2431</b>
22	7/8"	4.5	4.5	C 10	3.98	<b>7.2441</b>
32	1.1/4"	4.5	5.0	C 11	6.29	<b>7.2451</b>

## SMK-Spirals

### With black plastic cores

With Lock Ring



- Temperature resistant and weatherproof
- Spiral will not clog with debris
- Higher stability and twisting resistance



mm	inch	m	Wire size Ø mm	R/K Type	kg	No.
16	5/8"	2.3	3.0	C 8-NIC	1.24	<b>7.2433</b>
22	7/8"	4.5	4.5	C 10-NIC	4.64	<b>7.2442</b>
32	1.1/4"	4.5	5.0	C 11-NIC	7.63	<b>7.2452</b>

## S-Spirals

- Higher strength and better torque transmission due to the increased wire thickness, higher tautness and twisting resistance.
- Suitable for demanding work, such as root cutting, grinding out and chain spinning and over longer distances



mm	inch	m	Wire size Ø mm	R/K Type	kg	No.
16	5/8"	2.3	3.5	-	3.00	<b>7.2428</b>
22	7/8"	4.5	5.0	-	4.18	<b>7.2443</b>
32	1.1/4"	4.5	6.0	C 14	6.80	<b>7.2453</b>

## S-SMK-Spirals

### With red plastic cores

- Same as S-spirals, but with an additional temperature-resistant and weatherproof red plastic core. No clogging of the Spiral with debris
- Intended for extreme cleaning operations in large-diameter pipes, preferably used over long distances and straight sewer or pipe runs.



mm	inch	m	Wire size Ø mm	R/K Type	kg	No.
16	5/8"	2.3	3.5	-	1.30	<b>7.2435</b>
22	7/8"	4.5	5.0	-	4.78	<b>7.2444</b>
32	1.1/4"	4.5	6.0	-	7.85	<b>7.2455</b>

With Lock Ring



# Drain Cleaning Spirals

## Spiral Sets

5 x 16 mm spiral in basket, 5 x 22 mm spiral in basket  
4 x 32 mm spiral in basket



Model	R 550	R 600	R 650	R 750		No.
16 mm Standard	■	■	■	●	1	<b>7.2060</b>
16 mm SMK	■	■	■	●	1	<b>7.2061</b>
16 mm S	■	■	■	●	1	<b>7.2062</b>
16 mm S-SMK	■	■	■	●	1	<b>7.2063</b>
22 mm Standard	-	■	■	■	1	<b>7.2040</b>
22 mm SMK	-	■	■	■	1	<b>7.2041</b>
22 mm S	-	■	■	■	1	<b>7.2042</b>
22 mm S-SMK	-	■	■	■	1	<b>7.2043</b>
32 mm Standard	-	-	-	■	1	<b>7.2530</b>
32 mm SMK	-	-	-	■	1	<b>7.2531</b>
32 mm S	-	-	-	■	1	<b>7.2532</b>
32 mm S-SMK	-	-	-	■	1	<b>7.2533</b>

■ = direct take-up      ● = with clutch jaw

## Spiral and Tool Sets

Standard Ø 16 mm



Set (No. 7.2945X) includes: Spiral basket 16 mm (No. 7.2110), 5 x 16 mm standard spirals (No. 7.2431), PVC-case (No. 5.5016), straight auger 16 mm (No. 7.2161), bulb auger 16 mm (No. 7.2163), blade cutter 16/25 mm (No. 7.2169), separating pin 16 mm (No. 7.2100), guide glove, left (No. 7.2120), ROWONAL spiral spray (No. 7.2142)

Model	Model		No.
Standard 16 mm	with standard spirals	12.0	<b>7.2945X</b>

## Spiral and Tool Sets

Standard Ø 16 / 22 mm



Set (No. 7.2956X) includes: Spiral basket 16 mm (No. 7.2110), 5 x 16 mm standard spirals (No. 7.2431), straight auger 16 mm (No. 7.2161), bulb auger 16 mm (No. 7.2163), blade cutter 16/25 mm (No. 7.2169), separating pin 16 mm (No. 7.2100), spiral basket 22 mm (No. 7.2112), 5 x 22 mm standard spiral (No. 7.2441), PVC-case (No. 5.5016), straight auger 22 mm (No. 7.2221), bulb auger 22 mm (No. 7.2263), funnel auger 22 mm (No. 7.2222), spade head cutter 22/65 mm (No. 7.2261), serrated forked cutter 22/76 mm (No. 7.2250), separating pin 22/32 mm (No. 7.2101), guide glove, left (No. 7.2120), ROWONAL spiral spray (No. 7.2142)

Model	Model		No.
Standard 16-22 mm	with standard spirals	38.0	<b>7.2956X</b>

## Spiral and Tool Sets

Standard Ø 22 mm



Set (No. 7.2955X) includes: Spiral basket 22 mm (No. 7.2112), 5 x 22 mm standard spirals (No. 7.2441), PVC-case (No. 5.5016), straight auger 22 mm (No. 7.2221), bulb auger 22 mm (No. 7.2263), funnel auger 22 mm (No. 7.2222), spade head cutter 22/65 mm (No. 7.2261), serrated forked cutter 22/76 mm (No. 7.2250), separating pin 22/32 mm (No. 7.2101), guide glove, left (No. 7.2120), ROWONAL spiral spray (No. 7.2142)

Model	Model		No.
Standard 22 mm	with standard spirals	38.0	<b>7.2955X</b>



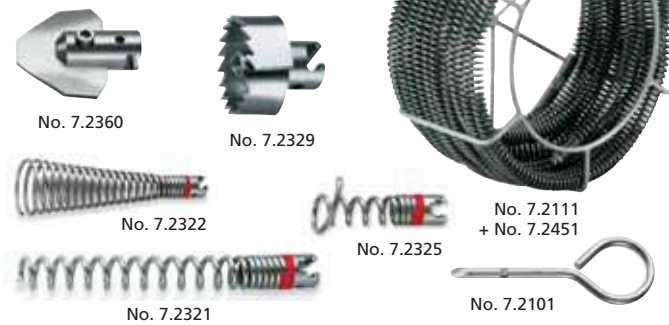
# Drain Cleaning Spirals

With Lock Ring



## Spiral and Tool Sets

Standard Ø 32 mm



Set (No. 7.2962X) includes: Spiral basket 32 mm (No. 7.2111), 5 x 32 mm standard spirals (No. 7.2451), PVC-case (No. 5.5016), straight auger 32 mm (No. 7.2321), retrieving auger 32 mm (No. 7.2325), funnel auger 32 mm (No. 7.2322), spade head cutter 32/65 mm (No. 7.2360), spiral sawtooth cutter 32/65 mm (No. 7.2329), separating pin 22/32 mm (No. 7.2101), guide glove, left (No. 7.2120), ROWONAL spiral spray (No. 7.2142)

Model	Model	kg	No.
Standard 32 mm	with standard spirals	48.0	<b>7.2962X</b>

## Tool Set L

Ø 16 mm, 10 pieces

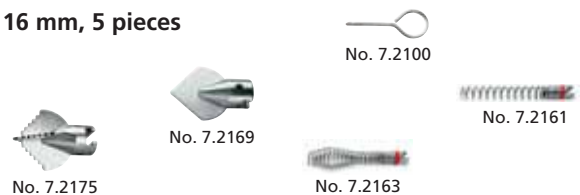


Set (No. 7.2936) includes: PVC- case (No. 5.5016), separating key 16 mm (No. 7.2100), retrieving auger 16 mm (No. 7.2162), bulb auger 16 mm (No. 7.2163), serrated forked cutter 16 mm (No. 7.2164), blade cutter 16/25 mm (No. 7.2169), cross-blade cutter 16/45 mm (No. 7.2177), chain-spinning head 16 mm with 2 smooth chains (No. 7.2185), guide glove, left (No. 7.2120), ROWONAL spiral spray (No. 7.2142)

Model	No.
16 mm Tool set L (R 550, R 600, R 650)	<b>7.2936</b>

## Tool Set S

Ø 16 mm, 5 pieces

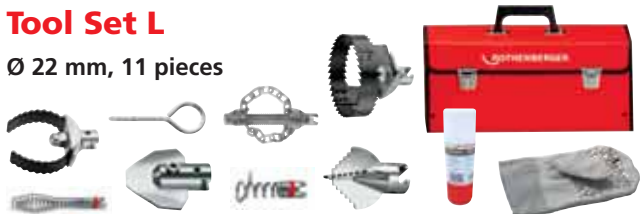


Set (No. 7.2937) includes: Separating pin 16 mm (No. 7.2100), straight auger 16 mm (No. 7.2161), bulb auger 16 mm (No. 7.2163), blade cutter 16 mm (No. 7.2169), cross-blade cutter 16 mm (No. 7.2175)

Model	No.
16 mm Tool set S (R 550, R 600, R 650)	<b>7.2937</b>

## Tool Set L

Ø 22 mm, 11 pieces

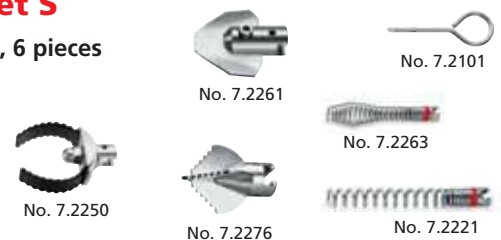


Set (No. 7.2938) includes: PVC-case (No. 5.5016), separating key 22 mm (No. 7.2101), retrieving auger 16 mm (No. 7.2203), serrated forked cutter 22 mm (No. 7.2250), spade head cutter 22/65 mm (No. 7.2261), bulb auger 22 mm (No. 7.2263), two-way root cutter 22/65 mm (No. 7.2265), cross-blade cutter 22/65 mm (No. 7.2276), chain-spinning head 22 mm with 2 smooth chains (No. 7.2284), guiding glove, left (No. 7.2120), ROWONAL spiral spray (No. 7.2142)

Model	No.
22 mm Tool set L (R 600, R 650, R 750)	<b>7.2938</b>

## Tool Set S

Ø 22 mm, 6 pieces

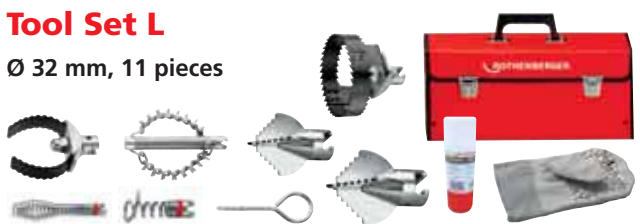


Set (No. 7.2939) includes: Separating pin 22 mm (No. 7.2101), straight auger 22 mm (No. 7.2221), serrated forked cutter 22 mm (No. 7.2250), spade head cutter 22 mm (No. 7.2261), bulb auger 22 mm (No. 7.2263), cross-blade cutter 22 mm (No. 7.2276)

Model	No.
22 mm Tool set S (R 600, R 650, R 750)	<b>7.2939</b>

## Tool Set L

Ø 32 mm, 11 pieces

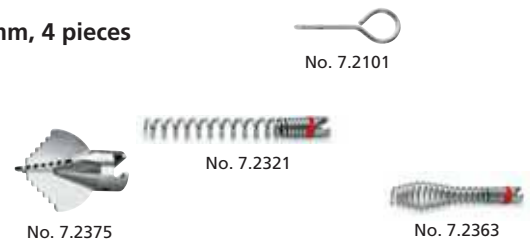


Set (No. 7.2940) includes: PVC-case (No. 5.5016), separating key 22 mm (No. 7.2101), retrieving auger 32 mm (No. 7.2325), serrated forked cutter 32 mm (No. 7.2350), bulb auger 32 mm (No. 7.2363), two-way root cutter 32/90 mm (No. 7.2366), cross-blade cutter 32/45 mm (No. 7.2374), cross-blade cutter 32/90 mm (No. 7.2376), chain-spinning heads 32 mm with 2 chains with spikes (No. 7.2347), guide glove, left (No. 7.2120), ROWONAL spiral spray (No. 7.2142)

Model	No.
32 mm Tool set L (R 750)	<b>7.2940</b>

## Tool Set S

Ø 32 mm, 4 pieces



Set (No. 7.2941) includes: Separating key 22 mm (No. 7.2101), straight auger 32 mm (No. 7.2321), bulb auger 32 mm (No. 7.2363), cross-blade cutter 32 mm (No. 7.2375)

Model	No.
32 mm Tool set S (R 750)	<b>7.2941</b>

With Lock Ring



# Drain Cleaning Tools

## 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"

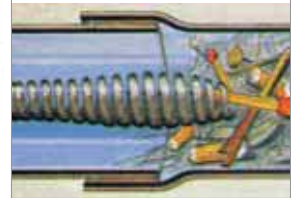
See the following pages for more information on professional tools in various versions and dimensions for loosening obstructions and cleaning drains

## Bulb Auger

278



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

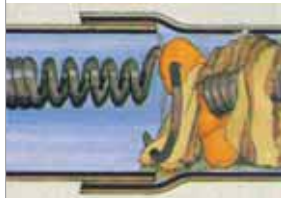


## Retrieving Auger

278



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

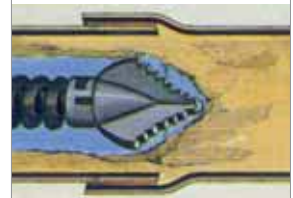


## Cross-blade Cutter, serrated

279



Special tool for opening up solidified pipe obstructions

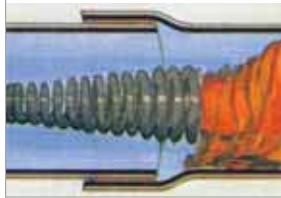


## Funnel Auger

278



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

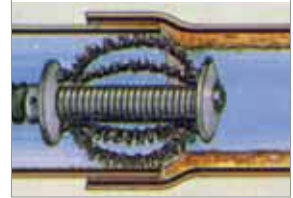


## Chain-spinning Head with Spikes

280



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



## Spade Head Cutter

279



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



## Carbide-tipped Cutters

281



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

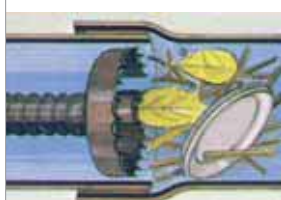


## Spiral Sawtooth Cutter

279



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

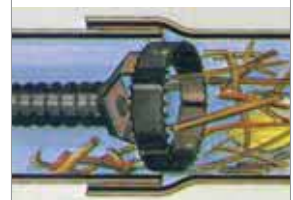


## Two-way Root Cutter

281






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 50 mm






Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	28	500	40 - 75	220	<b>7.2158</b>
22 / 7/8"	40	500	50 - 100	464	<b>7.2208</b>
32 / 1.1/4"	50	500	75 - 250	818	<b>7.2323</b>

## Bulb Auger, short

- Specially designed for small pipes and drains with multiple bends
- Standard, highly flexible tool for clearing light textile and paper obstructions






Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	28	115	40 - 75	70	<b>7.2163</b>
22 / 7/8"	40	180	50 - 100	220	<b>7.2263</b>
32 / 1.1/4"	50	220	75 - 250	490	<b>7.2363</b>

## Straight Auger

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






Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	16	110	25 - 75	60	<b>7.2161</b>
22 / 7/8"	22	210	50 - 100	170	<b>7.2221</b>
32 / 1.1/4"	32	220	75 - 250	350	<b>7.2321</b>

## Funnel Auger

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






Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	32	110	50 - 100	80	<b>7.2165</b>
22 / 7/8"	55	185	110 - 150	280	<b>7.2222</b>
32 / 1.1/4"	60	195	100 - 250	500	<b>7.2322</b>

## Retrieving Auger

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






Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	35	55	50 - 75	35	<b>7.2162</b>
22 / 7/8"	45	100	75 - 150	110	<b>7.2203</b>
32 / 1.1/4"	65	125	75 - 250	240	<b>7.2325</b>

## Chalice Auger

- Specially suited for downpipes and accumulations of paper and textiles






Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
22 / 7/8"	45	150	110 - 150	316	<b>7.2206</b>
32 / 1.1/4"	55	165	100 - 250	514	<b>7.2320</b>

## Drop-head Auger

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






Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	24	83	40 - 75	60	<b>7.2159</b>
22 / 7/8"	37	125	60 - 100	180	<b>7.2264</b>



## 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	<b>7.2154</b>
16 / 5/8"	30	40	40 - 75	20	<b>7.2164</b>

Hardened spring steel blades






No. 7.2164



No. 7.2154




## Grease Cutter

Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	25	35	40 - 75	30	<b>7.2169</b>
16 / 5/8"	35	45	50 - 75	40	<b>7.2170</b>
16 / 5/8"	45	56	60 - 100	50	<b>7.2171</b>
22 / 7/8"	45	60	60 - 125	80	<b>7.2234</b>



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

## Spade Head Cutter




Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
22 / 7/8"	65	65	100 - 150	150	<b>7.2261</b>
32 / 1.1/4"	65	70	100 - 150	250	<b>7.2360</b>
32 / 1.1/4"	90	100	150 - 200	280	<b>7.2361</b>



- Curved special tool for silt and sludge deposits

## Spiral Sawtooth Cutter

- Special tool for chopping up small roots, branches and other materials




Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	35	25	50 - 75	40	<b>7.2166</b>
22 / 7/8"	45	40	75 - 100	100	<b>7.2229</b>
32 / 1.1/4"	65	55	75 - 100	210	<b>7.2329</b>



## 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

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

Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	25	35	40 - 75	30	<b>7.2175</b>
16 / 5/8"	35	45	50 - 75	40	<b>7.2176</b>
16 / 5/8"	45	56	75 - 100	65	<b>7.2177</b>
16 / 5/8"	55	60	100 - 125	80	<b>7.2178</b>
22 / 7/8"	45	60	70 - 100	90	<b>7.2275</b>
22 / 7/8"	65	60	100 - 150	190	<b>7.2276</b>
22 / 7/8"	75	80	100 - 150	220	<b>7.2277</b>
32 / 1.1/4"	45	60	70 - 105	140	<b>7.2374</b>
32 / 1.1/4"	65	70	100 - 150	260	<b>7.2375</b>
32 / 1.1/4"	90	100	125 - 200	490	<b>7.2376</b>
32 / 1.1/4"	115	120	150 - 250	640	<b>7.2377</b>



# Drain Cleaning Tools



No. 7.2284

Improved mobility



No. 7.2187

## Chain-spinning Heads




Without ring, with smooth chain

### Product Profile

#### KEY FEATURES

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

### Chain-spinning Heads without ring and without spikes

Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
<b>Without ring, with 2 chains</b>					
16 / 5/8"	30	105	50 - 125	120	<b>7.2185F</b>
16 / 5/8"	30	155	50 - 125	160	<b>7.2185</b>
22 / 7/8"	50	170	70 - 130	530	<b>7.2284</b>
<b>Without ring, with 4 chains</b>					
16 / 5/8"	40	155	60 - 125	270	<b>7.2187</b>
22 / 7/8"	60	170	80 - 130	710	<b>7.2289</b>



No. 7.2182

Better alignment in horizontal pipe position



No. 7.2278

For better curve manoeuvrability



No. 7.2188

## Chain-spinning Heads with Spikes




### Product Profile

#### KEY FEATURES




- Intensive cleaning action
- Ideal for concrete and cast iron pipes
- Reduces the risk of renewed obstructions
- **With ring:** for better centering in horizontal pipe runs
- **Without ring:** Improved mobility in bends

Ideal for final cleaning

### Chain-spinning Heads with ring and spikes

Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
16 / 5/8"	30	160	50 - 125	320	<b>7.2182</b>
22 / 7/8"	65	170	80 - 100	1060	<b>7.2285</b>
22 / 7/8"	75	170	90 - 125	1110	<b>7.2286</b>
32 / 1.1/4"	75	220	90 - 125	1700	<b>7.2341</b>

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

Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
<b>Without ring, with 2 chains</b>					
16 / 5/8"	30	155	50 - 125	160	<b>7.2188</b>
22 / 7/8"	50	170	70 - 130	860	<b>7.2278</b>
32 / 1.1/4"	70	220	90 - 140	1350	<b>7.2347</b>
<b>Without ring, with 4 chains</b>					
16 / 5/8"	40	155	50 - 125	280	<b>7.2188</b>
22 / 7/8"	60	170	75 - 130	880	<b>7.2299</b>
32 / 1.1/4"	80	220	100 - 200	1460	<b>7.2348</b>

8

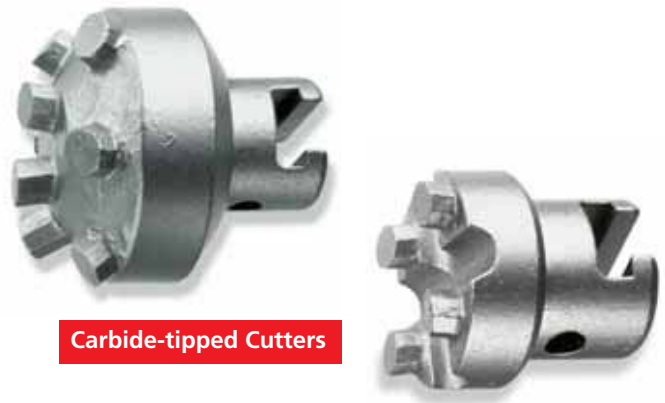


## Carbide-tipped Cutters



### Product Profile




#### KEY FEATURES

- Carbide-tipped blades: For hardest obstructions and incrustations such as cement deposits, urine and water scale and other hard deposits
- Carbide-tipped blades durably mounted to the tool body, for long service life
- Recommended for use with S or SMK spirals  
Bevelled lead-ins on the spiral couplings



Carbide-tipped Cutters

Coupling mm / inch	 mm	Shape	working range mm	 g	No.
16 / 5/8"	25	straight	35 - 50	70	<b>7.2191</b>
16 / 5/8"	30	straight	50 - 75	80	<b>7.2193</b>
22 / 7/8"	30	straight	50 - 75	90	<b>7.2291</b>




Coupling mm / inch	 mm	 Shape	working range mm	 g	No.
16 / 5/8"	25	straight	35 - 50	70	<b>7.2191</b>
16 / 5/8"	30	straight	50 - 75	80	<b>7.2193</b>

## Serrated Forked Cutter

### Product Profile

#### KEY FEATURES

- Universal, multi-purpose tool
- Particularly suitable for sludge deposits and roots
- Hardened spring steel cutter with teeth on both sides, long service life
- Replaceable blades

Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
22 / 7/8"	76	100	100 - 150	230	<b>7.2250</b>
22 / 7/8"	100	100	125 - 150		<b>7.2251</b>
32 / 1.1/4"	76	100	120 - 200	260	<b>7.2350</b>
32 / 1.1/4"	100	100	125 - 200		<b>7.2351</b>
Spare blade	76	-	-	90	<b>7.2258</b>
Spare blade	100	-	-	120	<b>7.2259</b>



No. 7.2250

No. 7.2350

## Two-way Root Cutter

### Product Profile

#### KEY FEATURES




- For chopping up roots and solid materials in both directions
- Hardened spring steel cutter with teeth on both sides, long service life
- Recommended for use with S or SMK spirals




#### Replaceable blades



No. 7.2367

No. 7.2266

Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
22 / 7/8"	65	80	75 - 100	250	<b>7.2265</b>
22 / 7/8"	90	85	125 - 200	290	<b>7.2266</b>
32 / 1.1/4"	65	80	70 - 100	290	<b>7.2365</b>
32 / 1.1/4"	90	90	125 - 200	330	<b>7.2366</b>

Coupling mm / inch	 mm	 mm	Working range mm	 g	No.
32 / 1.1/4"	150	130	200 - 300	550	<b>7.2367</b>
Spare cutter	65	-	-	120	<b>7.2270</b>
Spare cutter	90	-	-	150	<b>7.2271</b>
Spare cutter	150	-	-	350	<b>7.2272</b>





# Drain Cleaning Tools

## Ball Head Cutter

4 blade, up to 32/75 mm



- 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	Ø mm	g	No.
16 / 5/8"	25	42	<b>7.2168</b>
16 / 5/8"	35	80	<b>7.2172</b>
16 / 5/8"	55	144	<b>7.2173</b>
22 / 7/8"	35	126	<b>7.2207</b>
22 / 7/8"	55	198	<b>7.2223</b>
22 / 7/8"	75	438	<b>7.2224</b>
22 / 7/8"	95	634	<b>7.2226</b>
32 / 1.1/4"	55	228	<b>7.2324</b>
32 / 1.1/4"	75	468	<b>7.2326</b>

## Ball Head Cutter

8 blade, up to 32/115 mm



No. 7.2227



No. 7.2327

- 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°

**Excellent curve mobility  
even at 90°**

Coupling mm / inch	Ø mm	g	No.
22 / 7/8"	90	1025	<b>7.2227</b>
22 / 7/8"	115	1225	<b>7.2228</b>
32 / 1.1/4"	95	1108	<b>7.2327</b>
32 / 1.1/4"	115	1256	<b>7.2328</b>



## Expansion Cutter

Up to 32/250 mm



- For removal of material and fibrous roots that are adhering to the inside of the pipe

Coupling mm / inch	Ø mm	g	No.
22 / 7/8"	100	576	<b>7.2230</b>
22 / 7/8"	125	600	<b>7.2233</b>
22 / 7/8"	150	628	<b>7.2242</b>
22 / 7/8"	200	642	<b>7.2244</b>
22 / 7/8"	250	650	<b>7.2249</b>
32 / 1.1/4"	100	624	<b>7.2331</b>
32 / 1.1/4"	125	646	<b>7.2332</b>
32 / 1.1/4"	150	676	<b>7.2333</b>
32 / 1.1/4"	200	692	<b>7.2335</b>
32 / 1.1/4"	250	698	<b>7.2336</b>

# 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, rainwater downpipes, rainwater canals, etc.



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

8



HD 19/180B from the HD series



ROJET 30/130 from the ROJET-series



ROJET 40/100 from the ROJET-series



# High-Pressure Drain Cleaning Machines

## 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 - 150 mm, max. 40 m

### HD 11/90

Self-priming compact unit from  
 Ø 40 – 150 mm up to 20 m length



Ø 150 mm



### HD 13/100

100 bar high-pressure pipe  
 cleaning unit with hose reel



Ø 150 mm



### Product Profile

#### 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:** 1400 min<sup>-1</sup>

### Product Profile

#### KEY FEATURES

- Integrated hanger for cleaning lance
- 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:** 1400 min<sup>-1</sup>

Scope of delivery: HD 11 / 90 (No. 7.6008), 10 m special high-pressure hose with couplings (No. 7.2810) and pipe cleaning nozzle (No. 7.6053)

Model 230 V / 50 Hz

High-pressure pipe cleaning unit HD 11/90 29.5 **7.6008**

Scope of delivery: HD 13 / 100 (No. 7.6020), hose reel with 20 m special high-pressure hose (No. 7.2812) with couplings and pipe cleaning nozzle (No. 7.6089)

Model 230 V / 50 Hz

High-pressure pipe cleaning unit HD 13/100 45.0 **7.6020**



# Accessories for High-Pressure Drain Cleaning Machines

## HD 17/190

190 bar high-pressure cleaner with three-phase motor



Ø 200 mm



### Product Profile

#### KEY FEATURES

- Three-phase motor, self-priming up to 2 m
- Air-filled transport wheels, easy to navigate stairs
- Integrated hanger for cleaning lance

#### 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:** 2800 min<sup>-1</sup>

Scope of delivery: HD 17 / 190 (No. 7.6070), hose reel with 40 m special high-pressure hose DN 8 with couplings (No. 7.2820) and pipe cleaning nozzle (No. 7.6089)

Model	kg	400 V/50 Hz
High-pressure pipe cleaning unit HD 17/190	50.0	<b>7.6070</b>

## HD 19/180 B

180 bar high-pressure cleaner with petrol motor

Ø 200 mm



Petrol engine

### Product Profile

#### KEY FEATURES

- Works with fuel, no voltage needed, self-priming up to 2 m
- Air-filled transport wheels, easy to navigate stairs
- Integrated hanger for cleaning lance

#### TECHNICAL DATA:

**Max. operating pressure:** 190 bar **Electric motor:** Three phase  
**Pump delivery:** 19 l/min **Speed:** 1800 min<sup>-1</sup>  
**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. 7.6090), hose reel with 40 m special high-pressure hose DN 8 with couplings (No. 7.2820) and pipe cleaning nozzle (No. 7.6053)

Model	kg	No.
High-pressure pipe cleaning unit HD 19/180 B	78.5	<b>7.6090</b>

## Accessories HD 11/90



Description	kg	No.
Flexible, high-pressure hose with R 1/4" coupling, DN 6		
Length 10 m	2.50	<b>7.2810</b>
Length 20 m	4.50	<b>7.2812</b>
Pipe cleaning nozzle. R1/4", stainless steel	0.04	<b>7.6053</b>
excl. forward jet spray, 4 holes, Ø 25 x 22 mm		
incl. forward jet spray, 5 holes, Ø 25 x 22 mm	0.04	<b>7.6063</b>
Rotary nozzle 45°, 4 holes, Ø 16 x 30 mm	0.08	<b>7.7503</b>
Cleaning lance with wide-angle nozzle for surface cleaning	1.30	<b>7.6073</b>
Spare wide-angle nozzle	0.01	<b>7.6082</b>
Injector suction pipe for cleaning agent, only for use with cleaning lance, length 1.2 m	0.05	<b>7.6067</b>
Water suction hose, for intake from containers, length 3.0 m	0.20	<b>7.6066</b>

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



Description	kg	No.
Flexible, high-pressure hose with R 1/4", Length 10 m, DN 6 (HD 13/100, HD 17/190)	2.50	<b>7.2810</b>
Length 20 m, DN 6 (HD 13/100, HD 17/190)	4.50	<b>7.2812</b>
Length 40 m, DN 8 (HD 17/190, HD 19/180 B)	10.70	<b>7.2820</b>
Pipe cleaning nozzles R1/4", stainless steel	0.04	<b>7.6089</b>
excl. forward jet spray, 4 holes, Ø 25 x 22 mm		
incl. forward jet spray, 5 holes, Ø 25 x 22 mm	0.04	<b>7.6065</b>
Rotary nozzle 45°, 4 holes, Ø 16 x 30 mm	0.08	<b>7.7506</b>
Cleaning lance with wide-angle nozzle for surface cleaning	1.30	<b>7.6068</b>
Spare wide-angle nozzle	0.01	<b>7.6088</b>
Injector suction pipe for cleaning agent, only for use with cleaning lance, length 1.2 m	0.05	<b>7.6067</b>
Water suction hose, length 3.0 m for intake from containers	0.20	<b>7.6066</b>

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# ROJET High-Pressure Drain Cleaning Machines

## 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.

#### Product Profile

##### 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  
**Speed:** 1400 min<sup>-1</sup>
- **Independent operation from vehicle engine.**  
**Low maintenance costs and service times**  
Separate engine, no auxiliary drive required

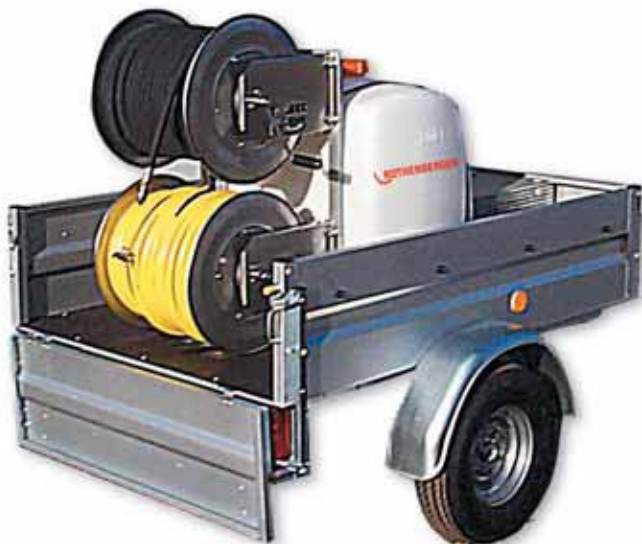
##### KEY FEATURES

- **Container design**  
ROJET can be installed in different vehicles at any time
- **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

## ROJET 30/130

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

**Less maintenance costs through the drive assembly and the clear differentiation of guarantees for cleaning unit and vehicle manufacturer.**



#### Product Profile

##### TECHNICAL DATA

<b>Motor:</b>	Tough, 4-stroke petrol engine, 1 cylinder air-cooled E-Start, rating 9.5 KW (13 HP), normal petrol
<b>Starter battery:</b>	12 Volt, 36 Ah
<b>High-pressure pump:</b>	3-plunger pump, delivery 30 l/min - 130 bar
<b>Water tank:</b>	Plastic, contains 200 litre
<b>High-pressure reel:</b>	Stainless steel reel, rotatable water coupling, manual operation
<b>Filling reel:</b>	Stainless steel reel, rotatable water coupling, manual operation
<b>High-pressure hose:</b>	DN 12, length 50 m (R 1/2" coupling)
<b>Filling hose:</b>	DN 19, length 50 m (R 1/2" coupling)
<b>Included in delivery:</b>	High-performance nozzle 1/2"
<b>Trailer:</b>	Break-free box trailer
<b>Covering:</b>	Tarpaulin and frame, height 800 mm
<b>Overall-dimensions:</b>	2.520 x 1.480 x 1.700 mm (L x W x H)
<b>Gross vehicle weight:</b>	550 kg
<b>Included in delivery:</b>	1 parking stand

Model	kg	No.
ROJET 30/130 basic unit without trailer	200	<b>7.6301</b>
ROJET 30/130 basic unit with trailer	290	<b>7.6300</b>
Nozzle set 30 / 130	6,5	<b>7.6303</b>
Includes: Nozzle holder (No. 7.6309), standard nozzle with forward jetting (No. 7.7601), grenade nozzle (No. 7.7631), rotary nozzle (No. 7.7621), flat nozzle (No. 7.7641), 3-sided Quattro nozzle (No. 7.7611)		
For other extras/optional equipment, please see the table on  289-293		

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# ROJET High-Pressure Drain Cleaning Machines

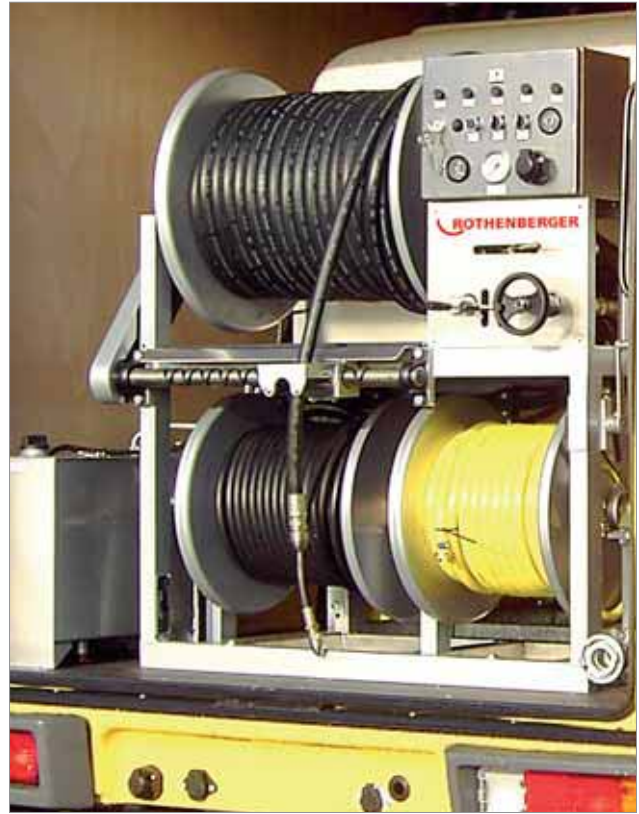
## ROJET 40/100

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



## ROJET 130/160

High-pressure drain cleaning unit for  
professional use



### Product Profile

#### TECHNICAL DATA

<b>Main frame:</b>	Profiled steel, hot-galvanised
<b>Engine:</b>	4-stroke petrol engine, 1 cylinder air cooled, electric starter, automatic speed control rating 9.5kw (13HP) Normal fuel
<b>Pump:</b>	3-plunger type, delivery 40l/min at 100 bar,
<b>Starter battery:</b>	12 Volt, 36 Ah
<b>Water tank:</b>	Plastic, 200 l
<b>Fuel tank:</b>	6 litre
<b>High-pressure reel:</b>	Handwheel, hinge
<b>High-pressure hose:</b>	DN 12, length 50 m, coupling R1/2"
<b>Dimensions:</b>	1.200 x 1.000 x 700 mm (L x w x H)
<b>Equipment:</b>	Water filter, glycerine pressure gauge, pressure switch valve, safety valve, standard nozzle, anti-freeze suction

Model	kg	No.
ROJET 40/100	200	<b>7.6100</b>
Nozzle set 40/100	6.5	<b>7.6304</b>
includes: nozzle holder (No. 7.6309), standard nozzle with forward jetting (No. 7.7602), grenade nozzle (No. 7.7632), rotary nozzle (No. 7.7622), flat nozzle (No. 7.7642), 3-sided Quattro nozzle (No. 7.7612)		
For other extras/optional equipment, please see the table on  289-293		

### Product Profile

#### TECHNICAL DATA

<b>Main frame:</b>	Profiled steel, hot-galvanised, partially coated
<b>Motor:</b>	Diesel engine, 4-cylinder, water cooled, turbocharger, automatic speed control, rating 42 kW
<b>Pump:</b>	3-plunger pump, delivery 128 l / min at 160 bar, Starter battery: 12 Volt, 36 Ah
<b>Large High-pressure reel:</b>	Hydraulic drive, continuously adjustable with HD hose DN 19, length 80 meters
<b>Small High-pressure reel:</b>	Hydraulic drive, continuously adjustable with HD hose DN 12, length 80 meters
<b>Filling reel:</b>	Manual operation, with filling hose DN19, length 50 meters
<b>Water tank:</b>	Plastic, 800 l. Other sizes available
<b>Fuel tank:</b>	Capacity 27 litre
<b>Dimensions:</b>	2.000 x 1.400 x 1.360 mm (L x W x H). Suitable for the Mercedes Sprinter and similar vehicles
<b>Weight:</b>	approx. 900 kg
<b>Equipment:</b>	Run-dry protection, water filter, water level indicator, glycerine pressure gauge,

Model	kg	No.
ROJET 130/160	900	<b>7.6485</b>
For other extras/optional equipment, please see the table on  289-293		

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# ROJET High-Pressure Drain Cleaning Machines

## 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

<b>Main frame:</b>	Profiled steel, hot-galvanised, partially coated reel supports, fitted
<b>Motor:</b>	Petrol engine 15 KW / 17 KW, diesel engine 37 KW / 42 KW, E-Start, automatic speed control
<b>Pump:</b>	3-plunger pump, delivery 50-100 l/min at 120-200 bar
<b>Starter battery:</b>	12 Volt / 36 Ah
<b>High-pressure reel:</b>	Hydraulic reel gear

#### TECHNICAL DATA

<b>High-pressure hose:</b>	50/120 - 85/160 DN 12, length: 80 m, 100/150 and 100/200 DN 16, length: 80 m
<b>Filling reel:</b>	Manual and hydraulic (optional)
<b>Filling hose:</b>	DN 19, length: 50 m
<b>Water tank:</b>	Plastic, ROJET 50/120 and 60/140, capacity 400 litres, ROJET 85/160 - 100/200, capacity 800 litres, other sizes available
<b>Equipment:</b>	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	900	<b>7.6540</b>
ROJET 60/140 Basic	900	<b>7.6541</b>
ROJET 85/160 Basic	900	<b>7.6542</b>
ROJET 100/160 Basic	900	<b>7.6543</b>
ROJET 100/200 Basic	900	<b>7.6544</b>

Model	kg	No.
ROJET 50/120 Comfort	900	<b>7.6320</b>
ROJET 60/140 Comfort	900	<b>7.6321</b>
ROJET 85/160 Comfort	900	<b>7.6322</b>
ROJET 100/160 Comfort	900	<b>7.6323</b>
ROJET 100/200 Comfort	900	<b>7.6324</b>

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# ROJET High-Pressure Drain Cleaning Machines



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



No. 7.6302



No. 7.6200

## ROJET

### Optional equipment

ROJET		30/130	40/100	50/120	60/140 100/150 100/200	85/160	130/160
	No.						
<b>Water tank</b>							
400 litres		n/a	●	S	S	F	n/a
800 litres	7.6220	n/a	●	●**	●	S	S
1.000 litres	7.6221	n/a	●	●**	●	●	●
2 x 800 litres	7.6222	n/a	●	●**	●	●	●
2 x 1.000 litres	7.6223	n/a	●	●**	●	●	●
<b>Remote control</b>							
Cable, 3-functions	7.6226	n/a	n/a	●	●	●	●
Radio, 3-functions	7.6302	n/a	n/a	●	●	●	●
Cable, Radio	7.6331	n/a	n/a	●	●	●	●
<b>Working spot lights</b>	7.6200	n/a	n/a	●	●	●	●
<b>Base frame</b>	7.6232	n/a	n/a	●	●	●	●
Base frame:	Necessary when wheelhouse distance is less than 1.2 meters						
<b>Aluminium floor</b>	7.6228						
<b>Autom. filling stop</b>	7.6210	n/a	●	●	●	●	●
<b>Autom. hose guide</b>		n/a	n/a	n/a	n/a	n/a	●*

Explanation: n/a = not applicable, ● = additional charge, S = standard, F = possible without additional charge

\* Only for large hose reels

\*\* Only for ROJET 50/120 long version (Type L)



# ROJET High-Pressure Pipe & Drain Cleaning Nozzles

## Standard Nozzle

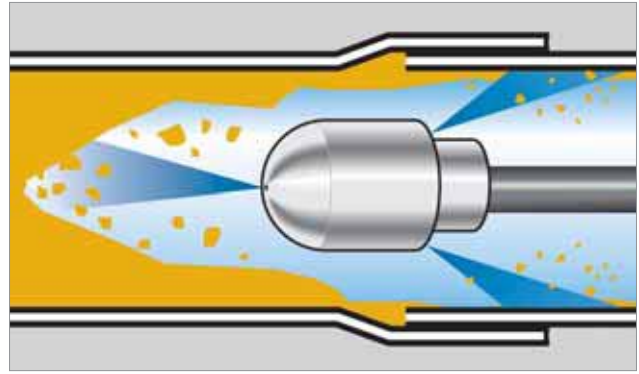
Made of VA steel

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

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



No. 7.7601



Description	Coupling	Ø x L mm	⚖️ kg	No.
For ROJET 30/130	R 1/2"	30 x 50	0.12	<b>7.6135</b>
For ROJET 40/100	R 1/2"	30 x 50	0.12	<b>7.6141</b>
For ROJET 50/120	R 1/2"	30 x 50	0.12	<b>7.6137</b>
For ROJET 60/140	R 1/2"	30 x 50	0.12	<b>7.7606</b>
For ROJET 85/160	R 1/2"	30 x 50	0.12	<b>7.6152</b>
For ROJET 100/150	R 1/2"	30 x 50	0.12	<b>7.6140</b>
For ROJET 100/200	R 1/2"	30 x 50	0.12	<b>7.6144</b>
For ROJET 130/150	R 1/2"	30 x 50	0.12	<b>7.6488</b>
For ROJET 130/150	R 3/4"	40 x 60	0.12	<b>7.6406</b>

## Quattro 3-sided Nozzle

Made of VA steel



No. 7.7613

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)

Description	Coupling	Ø x L mm	⚖️ kg	No.
For ROJET 30/130	R 1/2"	30 x 50	0.11	<b>7.7611</b>
For ROJET 40/100	R 1/2"	30 x 50	0.11	<b>7.7612</b>
For ROJET 50/120	R 1/2"	30 x 50	0.11	<b>7.7613</b>
For ROJET 60/140	R 1/2"	30 x 50	0.11	<b>7.7616</b>
For ROJET 85/160	R 1/2"	30 x 50	0.11	<b>7.7614</b>
For ROJET 100/150	R 1/2"	30 x 50	0.11	<b>7.7565</b>
For ROJET 100/200	R 1/2"	30 x 50	0.11	<b>7.7530</b>
For ROJET 130/150	R 1/2"	30 x 50	0.11	<b>7.6489</b>
For ROJET 130/150	R 3/4"	40 x 70	0.11	<b>7.6410</b>

## Rotating Nozzle

Made of VA steel



No. 7.7625

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

Description	Coupling	Ø x L mm	⚖️ kg	No.
For ROJET 40/100	R 1/2"	30 x 50	0.55	<b>7.7622</b>
For ROJET 50/120	R 1/2"	30 x 50	0.55	<b>7.7623</b>
For ROJET 30/130	R 1/2"	30 x 50	0.55	<b>7.7621</b>
For ROJET 60/140	R 1/2"	30 x 50	0.55	<b>7.7626</b>
For ROJET 85/160	R 1/2"	30 x 50	0.55	<b>7.7624</b>
For ROJET 100/150	R 1/2"	30 x 50	0.55	<b>7.7566</b>
For ROJET 130/150	R 1/2"	30 x 50	0.55	<b>7.6492</b>
For ROJET 130/150	R 3/4"	40 x 110	0.55	<b>7.6427</b>



# ROJET High-Pressure Pipe & Drain Cleaning Nozzles

## 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
- 2 different jet angles (M8 grub screws)

Description	Coupling	Ø x L mm	kg	No.
For ROJET 30/130	R 1/2"	60 x 95	0.136	<b>7.7631</b>
For ROJET 40/100	R 1/2"	60 x 95	0.136	<b>7.7632</b>
For ROJET 50/120	R 1/2"	60 x 95	0.136	<b>7.7633</b>
For ROJET 60/140	R 1/2"	60 x 95	0.136	<b>7.7636</b>
For ROJET 85/160	R 1/2"	60 x 95	0.136	<b>7.7634</b>
For ROJET 100/200	R 1/2"	60 x 95	0.136	<b>7.6172</b>
For ROJET 130/150	R 1/2"	60 x 95	0.136	<b>7.6490</b>
For ROJET 85/160	R 3/4" - R 1/2"	70 x 105	0.136	<b>7.6193</b>
For ROJET 100/150	R 3/4" - R 1/2"	70 x 105	0.136	<b>7.6194</b>
For ROJET 100/200	R 3/4" - R 1/2"	70 x 105	0.136	<b>7.6179</b>
For ROJET 130/150	R 3/4" - R 1/2"	70 x 105	0.136	<b>7.6416</b>



No. 7.7602

## 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)

Description	Coupling	Ø x L mm	kg	No.
For ROJET 30/130	R 1/2"	70 x 120	2.95	<b>7.6170</b>
For ROJET 40/100	R 1/2"	70 x 120	2.95	<b>7.6157</b>
For ROJET 50/120	R 1/2"	70 x 120	2.95	<b>7.7643</b>
For ROJET 60/140	R 1/2"	70 x 120	2.95	<b>7.6233</b>
For ROJET 85/160	R 1/2"	70 x 120	2.95	<b>7.7644</b>
For ROJET 100/150	R 1/2"	70 x 120	2.95	<b>7.6234</b>
For ROJET 100/200	R 1/2"	70 x 120	2.95	<b>7.6161</b>
For ROJET 130/160	R 1/2"	70 x 120	2.95	<b>7.6235</b>
For ROJET 130/160	R 3/4"	100 x 160	2.95	<b>7.6236</b>



No. 7.7642

## 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.

Description	Coupling	kg	No.
For ROJET 30/130	R 1/2"	5.10	<b>7.6462</b>
For ROJET 40/100	R 1/2"	5.10	<b>7.6463</b>
For ROJET 50/120	R 1/2"	5.10	<b>7.6464</b>
For ROJET 60/140	R 1/2"	5.10	<b>7.7650</b>
For ROJET 85/160	R 1/2"	5.10	<b>7.6465</b>
For ROJET 100/150	R 1/2"	5.10	<b>7.6466</b>
For ROJET 100/200	R 1/2"	5.10	<b>7.6470</b>
For ROJET 130/160	R 1/2"	5.10	<b>7.6495</b>
For ROJET 130/160	R 3/4"	5.10	<b>7.6467</b>

### ACCESSORIES

Nozzle holder	50 x 370	1.28	<b>7.6309</b>
for nozzle assortment with 5 x 1/2"			



Example for ROJET 40 / 100, Set No. 7.76304



# ROJET Accessories

## High-Pressure Hose

- Highly flexible
- Complete with couplings

Available with R1/4" and R1/2" couplings



Nominal diameter mm	Coupling	L m	kg	No.
8	R1/4"	40	9.4	<b>7.2820</b>
13	R1/2"	50	20.0	<b>7.6130</b>
13	R1/2"	80	52.0	<b>7.6131</b>
16	R1/2"	80	67.0	<b>7.6119</b>

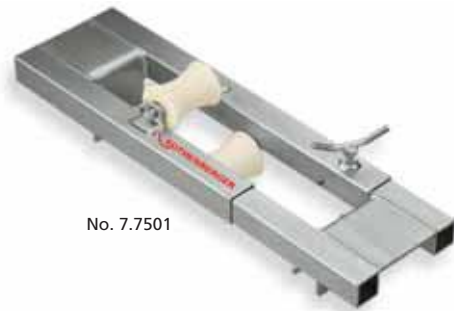
Threaded couplings	kg	No.
For High-pressure hose DN 13 mm - R1/2" internal	0.21	<b>7.6133</b>
For High-pressure hose DN 13 mm - R1/2" external	0.21	<b>7.6134</b>

## 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



No. 7.7500



No. 7.7501

Description	kg	No.
For bottom manhole edge	6.2	<b>7.7500</b>
For bottom manhole edge	5.0	<b>7.7501</b>

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## 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. 7.6187



No. 7.6189

Description	kg	No.
For ROJET 40/100 - 50/120 - 30/130	0.28	<b>7.6187</b>
Spare wide-angle nozzle	0.02	<b>7.6167</b>
For ROJET 85/160	3.10	<b>7.6189</b>
For ROJET 100/200	3.20	<b>7.6166</b>

For ROJET drain cleaning units please see 286 - 289

## 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"
- Operating pressure 215 bar
- Burst pressure 815 bar

**Optimum cleaning of building interiors and for cleaning domestic drains and downpipes**



No. 7.6118

Set (No. 7.6118) includes: Hose reel with manual crank, shut-off valve and swivel joint, 30 m high-pressure hose DN 8 with coupling R 1/4" (No. 7.2820), drain cleaning nozzle R 1/4" (No. 7.6055)

Description	kg	No.
Hose reel, complete	26.5	<b>7.6118</b>
<b>ACCESSORIES</b>		
Hose reel, inlet 1/2"	17.0	<b>7.6160</b>
30 m high-pressure hose DN 8, R 1/4" coupling	9.40	<b>7.2820</b>
Drain cleaning nozzle R 1/4", without forward jetting	0.04	<b>7.6055</b>
Drain cleaning nozzle R 1/4", with forward jetting	0.04	<b>7.6065</b>
Rotating nozzle R 1/4", 45°	0.08	<b>7.7506</b>

## Down Pipe Nozzle

### High-performance stainless steel nozzle

Can only be used with hose reel (No. 7.6118) or with professional high-pressure cleaner 19/180B (No. 7.6090) in combination with high-pressure hose (No. 7.2820)

- With 3 wide-angle nozzle inserts
- High cleaning performance

**For vertical use in roof drains, ducts and pipes**



No. 7.6154

Description	Coupling	Ø x length mm	kg	No.
Downpipe nozzle	R 1/4"	50 x 125	1.6	<b>7.6154</b>

## 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
- Separate pump not necessary
- High suction performance



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



Description	kg	No.
High-pressure R1/2" coupling, with 6 m spiral hose	5.50	<b>7.6191</b>
Spare circular jet nozzle insert	0.01	<b>7.6192</b>

