



RENZORATO

- PREMIUM PIPE CLEANING EQUIPMENT -
PRODUCT CATALOG

2023



MADE IN SWEDEN

ABOUT US

Renzorato has been in the Scandinavian market since 2006, providing our customers top-quality machines and tools with a focus on cleaning sewage systems, but also when cleaning pipes in industries and chimneys.

During our years in the industry and in close collaboration with our customers, we have created a name for ourselves as a company that most people in the Scandinavian industry knows of.

From being a company that performed the work in the field to only becoming a manufacturer and supplier, we know how important it is with safety and ergonomics for the operators who work in this industry. We have taken these experiences with us when we develop our products. Since the start, development, manufacturing and assembling have taken place in Sweden.

Our vision is to offer the industry products of high quality with the best service, whether it is fast deliveries or the need of new products on the market. We value our customers opinions highly and listen to their wishes in order to find new ways to make their everyday lives more efficient.

We use carefully selected high quality components when we develop and manufacture our products, and in this way, we ensure that our products are reliable, durable and meet a high safety class.

Over the years, we have also added more categories of products to be able to offer our customers more of a complete solution in sewage cleaning, such as high-pressure jetters and inspection cameras as these 3 parts goes hand in hand.

- **Milling machines**
- **High-pressure jetting**
- **Inspection**

Since 2018 we have been able to offer our products around Europe either directly or through carefully selected resellers to maintain the good service which is Renzorato's main goal. We're constantly working with partners to reach out to new markets. Since 2022 we're established on the Australian market and since the beginning of 2023, we're established on the US market. In those countries we're not yet established our online store is always available.

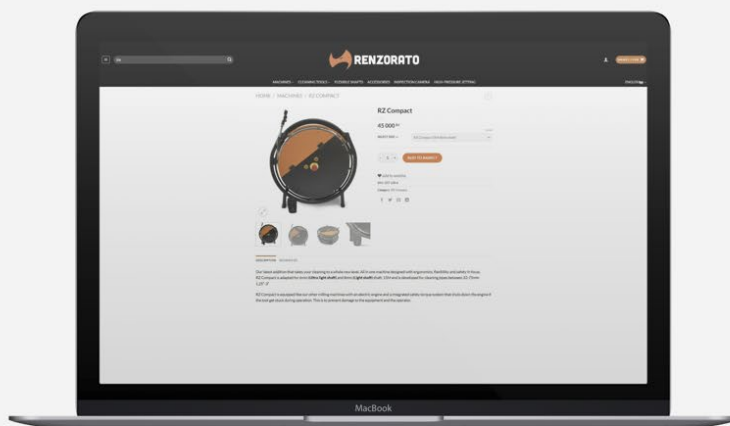
Having a personal contact who is close at hand with both knowledge, tools and spare parts makes the users of our products feel assured.

Together with customers and resellers, we are constantly continuing our development of durable products that helps the industry and the future in excavate-free pipe renovation (No-dig).



Check out www.renzorato.com to have access to our products at anytime.

Ready to be shipped within 24h



INTERNATIONAL NETWORK



Sweden: Renzorato AB Headquarters



USA: APS - American Pipelining Supplies



United kingdom: Rioned UK



Netherlands: Rioned



Germany: KaRo – Kanal und rohrreinigungsmaschinen GmbH



Australia: SECA - Sewer Equipment Company Australia



Canada BC: Renzorato AB

CONTAINS

Milling Machines

Page 7-16

- RZ Compact 8-10
- RZ 1 11-12
- Spider Engine 13
- Shaft Wheel 14-15

Chain Tools

Page 17-32

- Grenade **New!** 19
- Driller Head 20
- Chain Knocker 21
- Chain Knocker CC 22
- Pipe Master 23
- Pipe Master S 24
- Pipe Master XLS 25
- Pipe Master CC 26
- Pipe Master Cyclone 27
- Spike Cutter 28
- Cleaning Spider 29
- RZ Catcher magnet 30
- Guide Bits 31

Cutters

Page 33-39

- Wing Cutter 34
- Wing Cutter spare parts 35
- Starplate 36
- RZ Grinder 37
- RZ Grinder Hub 38
- Sandpaper / Rubber 39

CONTAINS

Accessories - Shafts - Shaft Master Kit

Page 40-47

- Complete shafts & repair kits 41-42
- Shaft master kit 43
- Connections & accessories 44
- Replacement Casings 46

High-Pressure Jetting

Page 48-50

- Basis& Deluxe + 49
- Hotbox 50

Inspection Cameras





Page 51-54

- RZ 1080HD 52
- RZ Cam 3499 53
- RZ Cam 3388 PAN & TILT 54

MACHINE RANGE

For over a decade, Renzorato's machines has been designed and developed to withstand the tough conditions of the industry. With ergonomics and safety in focus during construction, we offer durable machines that helps your company streamline your jobs, with minimal service occurrences.

Below you will find a short brief and specification on our machines. All models are equipped with electrical engines, an integrated safety torque system (E-Clutch), an emergency stop button and are operated by radio remote controls. You can easily adjust the speed values during operation and any error codes will be shown on the machine's remote control.

	Machine	Shaft Diameter	Shaft Length	Working Diameter	Speed RPM	Weight Inc Shaft
	RZ Compact	Adapted for 6 & 8 mm	15 m	32-75 mm	500-1500 rpm (4 preset speed values + reverse)	27 kg
	RZ1 SW-10	Adapted for 8 & 10 mm	15m 8mm, 12m 10mm	50-125 mm	500-1700 rpm (4 preset speed values + reverse)	38 kg
	RZ1 SW-20	8 mm 10 mm	20 m	50-125 mm	500-1700 rpm (4 preset speed values + reverse)	45 kg
	Spider Engine	10 mm 12 mm 16 mm	Up to 60 m	75-300 mm	100-3000 rpm (increase by 100 RPM)	30 kg



RZ COMPACT

- Lightweight and Ultra Flexible Milling Machine -



Our latest addition that takes your cleaning to a whole new level. Our new all-in-one machine designed with ergonomics, flexibility and safety in focus.

RZ Compact is developed for cleaning pipes between 32-75 mm 1.25"-3". It comes with connections for both 6 mm and 8 mm shaft that gives you the option to have it equipped with either 15 m, 6 mm shaft or 15 m, 8 mm shaft.

Like our other machines, the RZ Compact is equipped with an electrical engine and an integrated safety torque system (E-Clutch) that shuts down the engine if the tool get stuck during operation. With this machine we also introduce our new radio solution. With this radio control you can choose between 4 preset speed levels + reverse if you get stuck or need to use left direction speed. You can easily adjust the speed level during operation and have an overview of which speed level is running.

By having the remote control attached to your arm with the included bracelet mount, you can use both hands on the work shaft. Another advantage of being able to have both hands free is that you have the opportunity to both clean and inspect at the same time during operation much easier, as many users wants to have a better view from the inside of the pipe while operating. Another advantage is the included shoulder strap that helps you carry the machine more ergonomically during transport from car to workplace or while walking up stairs.

Technical Specification

Versions:

- **RZ Compact:** 6 mm, 15 m Shaft **230V** 27 kg
- **RZ Compact:** 8 mm, 15 m Shaft **230V** 28 kg
- **RZ Compact:** 6 mm, 15 m shaft **110V** 27 kg
- **RZ Compact:** 8 mm, 15 m shaft **110V** 28 kg

Size

Width: 650 mm

Height: 650 mm

Depth: 270 mm



Speed levels:

1. 700 rpm
2. 900 rpm
3. 1200 rpm
4. 1500 rpm
5. Rev (500 rpm)

- ✓ **ON/OFF** – Radio active
- ✓ **STOP** – Turns off RPM & resets error codes.

Error codes like Torque exceeded, emergency stop activated, etc., will be shown as different flashing led indications. You find the error code label under the orange hatch on the machine.



RZ Compact Handle Kit Upgrade

**TIP!**

If you have a longer distance from your car to your workstation, you might want to upgrade your RZ Compact machine with the Handle Kit. Installed in no time and makes the machine even more ergonomic.

RZ1

- The Future of Pipe Cleaning -



Flexible, silent and powerful cleaning machine. RZ1 is the optimal cleaning machine for milling pipes in the dimensions 40 to 125 mm (1,5"-5"), and gives you the flexibility to clean with the machine in 3 ways:

1. Along with the reel [SW-10](#)

Choose between 15 m, **8 mm Light Shaft** or 12 m, **10 mm Flex shaft**.

2. Along with the reel [SW-20](#)

Choose between 20 m, **8 mm Light Shaft** or 20 m, **10 mm Flex Shaft**.

3. Motor package Stand-alone, with up to 20 m loose working shaft.

The perfect option if you are going up through attics or on to roofs. Just grab the motor package to have both the safety and power of the RZ1 with you anywhere instead of a driller machine.

The separation between the motor package and the reels are easily done by removing the shaft from the connection on the motor package, take out the power cable and then pressing down the locking button in the middle and simply lift the machine away from the reel. The separation takes less than 20 seconds.


RZ1 – SW10

RZ1 – SW20

Featuring a radio remote with 4 preset values, where you can easily change these values during cleaning to get the most efficient milling for both the pipe and operator.

Why buy several machines when you can have 2 reels to one Motor package? Simpler, more ergonomic and cost-effective. Choose the one that best suits your needs.

Weight & Size

RZ1 SW-10: 8 mm, 15 m Shaft. 38 kg (230V)
RZ1 SW-10: 10 mm, 12 m Shaft. 40 kg (230V)

RZ1 SW-10: 8 mm, 15 m Shaft. 38 kg (110V)
RZ1 SW-10: 10 mm, 12 m Shaft. 40 kg (110V)

Size: RZ1 - SW10

Width: 650 mm
Height: 650 mm
Depth: 270 mm

Weight & Size

RZ1 SW-20: 8 mm, 20 m Shaft. 41 kg (230V)
RZ1 SW-20: 10 mm, 20 m Shaft. 45 kg (230V)

RZ1 SW-20: 8 mm, 20 m Shaft. 41 kg (110V)
RZ1 SW-20: 10 mm, 20 m Shaft. 45 kg (110V)

Size - SW20

Width: 720 mm
Height: 900 mm
Depth: 320 mm



Spider Engine - Operator's Best Partner In Larger Pipes -



Spider Engine is used every day by satisfied operators since 2006. When it comes to drain cleaning of pipes from 75 to 300 mm, Spider Engine will be your best partner. This powerful and quiet machine makes everyday easier for the operator. Make the most out of your milling by using the equipment for a faster and more efficient milling, but most importantly - for the safety and ergonomics of the operator. Choose between working with up to 60 m loose shaft or simply connect to **SHAFT WHEEL** where you have up to 35 m shaft on reel.

Radio control with full view of speed and torque, where you can easily change these values during cleaning to get the most efficient milling for both pipe and operator. Adjust the speed by 100 rpm at a time and torque by 20%.

Spider Engine: What does it mean?

- S** - Silent
- P** - Powerful
- I** - Intelligent
- D** - Dependable
- E** - Ergonomic
- R** - Robust



Shaft Wheel - Complement to Spider Engine -



Convenient handling of long shafts. Reduced risk of shaft damage. Easier to transport. Shaft Wheel can be wheeled into the vehicle.

Shaft length up to 35 meters. Shaft Wheel is powered by Spider Engine and comes with a drive shaft, center shaft and an adapter for 10- and 12 mm shafts.

By having the Spider Engine and Shaft Wheel separated, it is easier for one operator to handle tough work by themselves and to carry the equipment around.



Scan and watch



RENZORATO TOOLS



Where to use?

Tools	Pipe Material					Material for removal						
	Intact pipes	Fragile pipes	PVC	Cast iron	Concrete	Rust	Grease	Limestone	Lead	Roots	Concrete	Collapsed liner
Grenade	✂			✂		✂	✂	✂	✂			
Driller Head	✂	✂	✂		✂	✂	✂	✂		✂	✂	✂
Chain knocker	✂	✂	✂		✂	✂	✂	✂				
Chain knocker CC	✂	✂	✂		✂	✂	✂	✂				
Pipe Master	✂			✂		✂	✂	✂	✂			
Pipe Master S	✂			✂		✂	✂	✂	✂	✂	✂	✂
Pipe Master XLS	✂			✂		✂	✂	✂	✂	✂	✂	✂
Pipe Master CC	✂			✂		✂	✂	✂		✂		✂
Pipe Master Cyclone	✂	✂		✂		✂	✂	✂	✂			
Spike Cutter	✂			✂	✂			✂		✂		
Cleaning Spider	✂			✂	✂					✂		
Starplate	✂	✂	✂	✂	✂						✂	✂
RZ Grinder	✂	✂	✂	✂								✂
Wing Cutter	✂		✂	✂	✂							✂

How to measure your Chains:

Example: If we are measuring a Chain that is suitable for 100 mm pipes (inside diameter), we measure from the center of the shaft to the outermost carbide tip.

If you are using a chain without carbide, you measure from the center of the shaft to the outermost chain-link. This measurement should be half the pipe size. So, in this example that measurement is 50 mm.

If you measure the tool too large or too small, there is a great risk that you will damage both the tool and the pipe. If the tool is measured incorrectly, it gets an unbalanced run and will be thrown from side to side inside the pipe, instead of the smooth run you get when it's measured correctly. By doing this correctly you will extend the life of the chain, prevent damage to the pipe and get a more efficient cleaning.



GRENADE

- Descaling in no time –



Product Code	Product Name	Pipe Dimension Ø
227075-08	Grenade 75	75 mm 3"
227075-10	Grenade 75	75 mm 3"
227100-10	Grenade 100	100 mm 4"
227100-12	Grenade 100	100 mm 4"

Our new innovation that takes descaling to a whole new level!

Thanks to the wide and movable wings with our carbide star tips, you get a wider cutting surface compared to a regular chain. Because the wing function is based on centrifugal force you maximize the descaling during higher rpm, while the tool navigates easy in bends during lower rpm. The best part is that the wings are easily replaceable.

DRILLER HEAD

- Blocked Pipes -



Product Code	Product Name	Pipe Dimension Ø
227025-08	Driller Head 25 mm	40-75 mm 1,5-3"
227025-10	Driller Head 25 mm	40-75 mm 1,5-3"
227030-08	Driller Head 30 mm	40-75 mm 1,5-3"
227030-10	Driller Head 30 mm	40-75 mm 1,5-3"
227040-08	Driller Head 40 mm	75-150 mm 3-6"
227040-10	Driller Head 40 mm	75-150 mm 3-6"
227040-12	Driller Head 40 mm	75-150 mm 3-6"

Tip! Driller Head can be mounted in front of all chains. Let the shaft protrude 20 mm from the tool and then mount the driller head in the front of your shaft to turn your chain into a cutter.

CHAIN KNOCKER

- For PVC & Fragile Pipes -



Round Link

Product Code	Product Name	Pipe Dimension Ø	Chain Size
233038-06	Chain Knocker	32-40 mm 1,25-1,5"	3 mm Link
233038-06-S	Chain Knocker Single	32-40 mm 1,25-1,5"	3 mm Link
233040-06	Chain Knocker	40 mm 1,5"	3 mm Link
233040-08	Chain Knocker	40 mm 1,5"	3 mm Link
233040-10	Chain Knocker	40 mm 1,5"	3 mm Link
233050-06	Chain Knocker	50 mm 2"	3 mm Link
233050-08	Chain Knocker	50 mm 2"	3 mm Link
233050-10	Chain Knocker	50 mm 2"	3 mm Link
233075-08	Chain Knocker	75 mm 3"	3 mm Link
233075-10	Chain Knocker	75 mm 3"	3 mm Link
233100-08	Chain Knocker	100 mm 4"	4 mm Link
233100-10	Chain Knocker	100 mm 4"	4 mm Link
233100-12	Chain Knocker	100 mm 4"	4 mm Link
233150-10	Chain Knocker	150 mm 6"	4 mm Link
233150-12	Chain Knocker	150 mm 6"	4 mm Link

CHAIN KNOCKER CC

- 100% Clogged Pipes for PVC -



Product Code	Product Name	Pipe Dimension Ø	Square Link
			Chain Size
233075/100-10-CC	Chain Knocker CC	75/100 mm 3-4"	5 mm Link
233075/100-12-CC	Chain Knocker CC	75/100 mm 3-4"	5 mm Link
233100/150-10-CC	Chain Knocker CC	100/150 mm 4-6"	5 mm Link
233100/150-12-CC	Chain Knocker CC	100/150 mm 4-6"	5 mm Link

PIPE MASTER

- Original Carbide Chain -



Product Code	Product Name	Pipe Dimension Ø	Round Link
			Chain Size
232050-08	Pipe Master	50 mm 2"	3 mm Link
232050-10	Pipe Master	50 mm 2"	3 mm Link
232075-08	Pipe Master	75 mm 3"	3 mm Link
232075-10	Pipe Master	75 mm 3"	3 mm Link
232100-08	Pipe Master	100 mm 4"	4 mm Link
232100-10	Pipe Master	100 mm 4"	4 mm Link
232100-12	Pipe Master	100 mm 4"	4 mm Link
232150-10	Pipe Master	150 mm 6"	4 mm Link
232150-12	Pipe Master	150 mm 6"	4 mm Link

Pipe Master S

- Original Chain with Carbide Star Tips -



Square Link

Product Code	Product Name	Pipe Dimension Ø	Chain Size
235050-08	Pipe Master S	50 mm 2"	3 mm Link
235050-10	Pipe Master S	50 mm 2"	3 mm Link
235075-08	Pipe Master S	75 mm 3"	3 mm Link
235075-10	Pipe Master S	75 mm 3"	3 mm Link
235100-08	Pipe Master S	100 mm 4"	4 mm Link
235100-10	Pipe Master S	100 mm 4"	4 mm Link
235100-12	Pipe Master S	100 mm 4"	4 mm Link
235150-10	Pipe Master S	150 mm 6"	4 mm Link
235150-12	Pipe Master S	150 mm 6"	4 mm Link

PIPE MASTER XLS

- Maximum Durability with Carbide Star Tips -



Square Link

Product Code	Product Name	Pipe Dimension Ø	Chain Size
231100-10	Pipe Master XLS	100 mm 4"	5 mm Link
231100-12	Pipe Master XLS	100 mm 4"	5 mm Link
231150-10	Pipe Master XLS	150 mm 6"	5 mm Link
231150-12	Pipe Master XLS	150 mm 6"	5 mm Link
231225-12	Pipe Master XLS	225 mm 10"	5 mm Link

PIPE MASTER CC

- 100% Clogged Pipes or Lateral Cutter -



Square Link
Chain size

Product Code	Product Name	Pipe Dimension Ø	Chain size
229075/100-10	Pipe Master CC	75/100 mm 3-4"	5 mm Link
229075/100-12	Pipe Master CC	75/100 mm 3-4"	5 mm Link
229100/150-10	Pipe Master CC	100/150 mm 4-5"	5 mm Link
229100/150-12	Pipe Master CC	100/150 mm 4-5"	5 mm Link

PIPE MASTER CYCLONE

- Effective and Gentle Cleaning -



Product Code	Product Name	Pipe Dimension Ø	Round Link
			Chain size
228075-08	Pipe Master Cyclone	75 mm 3" NEW	4 mm Link
228075-10	Pipe Master Cyclone	75 mm 3" NEW	4 mm Link
228100-10	Pipe Master Cyclone	100 mm 4"	5 mm Link
228100-12	Pipe Master Cyclone	100 mm 4"	5 mm Link
228150-10	Pipe Master Cyclone	150 mm 6"	5 mm Link
228150-12	Pipe Master Cyclone	150 mm 6"	5 mm Link

Spike Cutter

- For Gentle Cleaning in Concrete Pipes -



Product Code	Product Name	Pipe Dimension Ø	Chain size
234150-10	Spike Cutter	150 mm 6"	5 mm Spike Chain
234150-12	Spike Cutter	150 mm 6"	5 mm Spike Chain
234225-12	Spike Cutter	225 mm 10"	5 mm Spike Chain

NOTE! The six middle spikes on each link-side are coated with carbide, which means that it is both gentle and effective in concrete pipes.

CLEANING SPIDER

- Root Removal Nbr 1 -



Product Code

Product Name

Pipe Dimension Ø

235300

Cleaning Spider

50-250 mm

The Cleaning Spider tool comes with adapters for both 10- & 12 mm shafts.
Arms are purchased separately and are sold in a set of 4 pcs. Choose between two different types of arms,
Chainsaw link or Chain link with carbide.

236075	CS Steel	Chainsaw Chain
236100	CS Steel	Chainsaw Chain
236150	CS Steel	Chainsaw Chain
236250	CS Steel	Chainsaw Chain

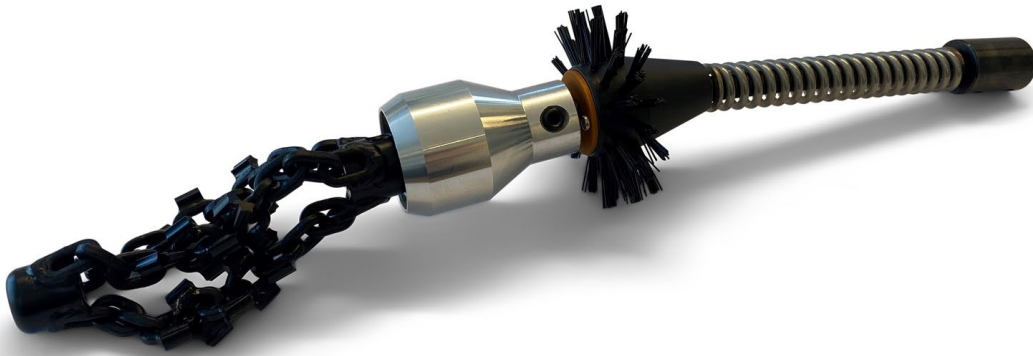
237075	CS Carbide	3 mm Link
237100	CS Carbide	4 mm Link
237150	CS Carbide	4 mm Link
237250	CS Carbide	4 mm Link

Renzorato Catcher

Dropped something?...

The Catcher is simply a must-have tool in every plumber's car. Pick up tools, cast iron pieces or other metal objects easily. Comes with two adapters 10/10mm & 10/12mm, simply connect it to your workshaft.

Strong Magnet – Strength Approx 24Kg



Guide Bits

- Makes it easier to guide the tool in small pipes -



Product Code

Product Name

241100

Guide Kit 6 mm

Contains: 1 pcs Guide ball & 1 pcs Guide arrow

TIP! Mount either the Guide Ball or Guide Arrow at the front of your shaft with your chosen tool behind it. Perfect when guiding your tool through P-Traps and small pipes.



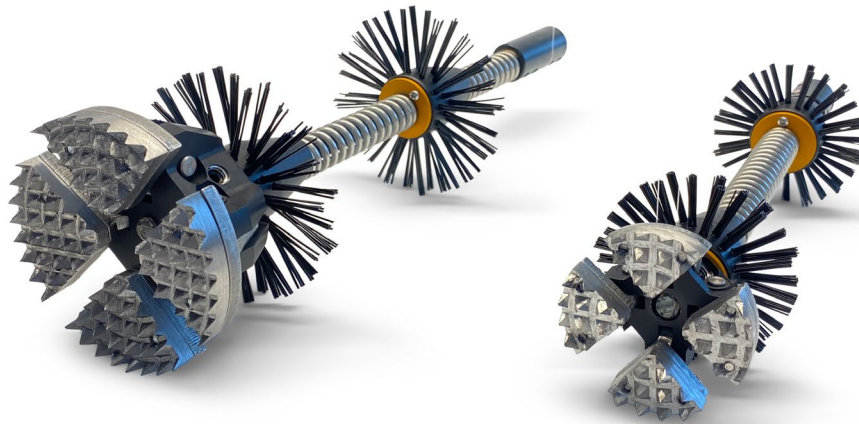
CUTTERS

A variety of Milling Tools:
Collapsed Liner | Concrete | Lateral Cutters



Wing Cutter

- MAXIMUM Opening of Branch Lines -



Equipped with movable wings to get maximum opening of branch lines. Because the wing function is based on centrifugal force you maximize the tool's diameter during higher rpm, while the tool navigates easy in bends during lower rpm. The best part is that the wings are easily replaceable.

TIP! We use the same body for our Wing Cutter and Starplate. Easily replace the Cutting Plate and Driller Head from the Starplate with the wings from the Wing Cutter or vice-versa to get a 2 in 1 cutter.

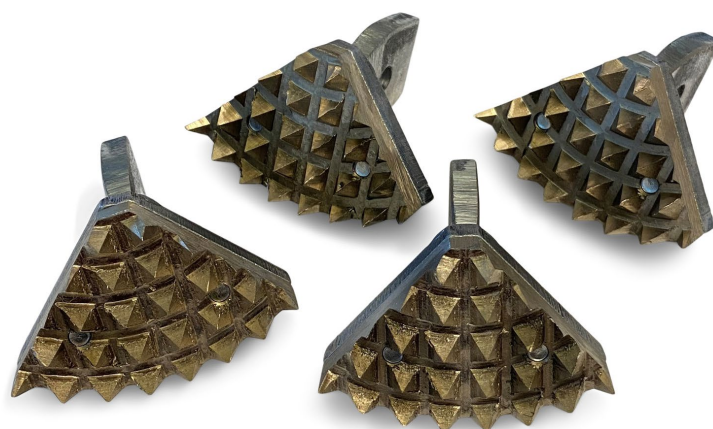
Product Code	Product Name	Pipe Dimension Ø
239 075	Wing Cutter 75	75 mm 3"
239 100	Wing Cutter 100	100 mm 4"
239 150	Wing Cutter 150	150 mm 6"

Comes with adapters for both 10- & 12 mm shafts.



Wing Cutter

- Replacement wings -

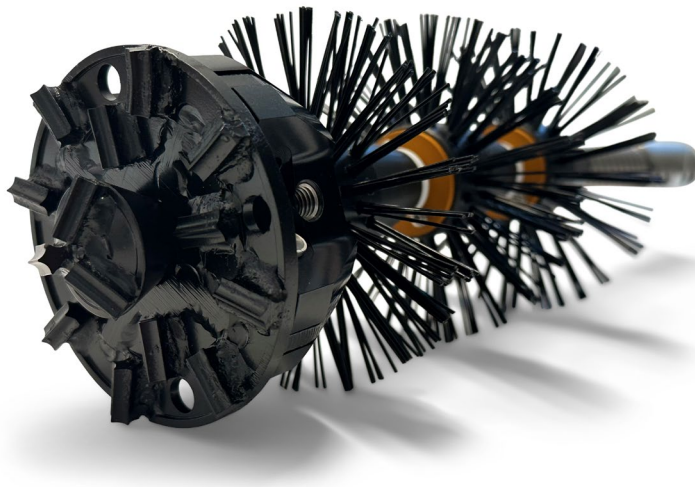


Product Code	Product Name	Pipe Dimension Ø
239065-WINGS	Extra Wings dia 65 mm (4pcs)	65 mm 2,5"
239075-WINGS	Extra Wings dia 75 mm (4pcs)	75 mm 3"
239100-WINGS	Extra Wings dia 100 mm (4pcs)	100 mm 4"
239150-WINGS	Extra Wings dia 150 mm (4pcs)	150 mm 6"

Brushes and aluminum body can also be purchased as spare parts. Contact one of our partners or contact us directly for more information. info@renzorato.com

Starplate

- Collapsed Liner or Concrete Removal -



Featuring our Driller Head in the front and a Cutting Plate with our carbide star tips, this Cutter is designed to remove collapsed liner and concrete. It can also be used as a lateral cutter and the best part is that the Driller Head and the plate is easily replaceable.

TIP! We use the same body for our Wing Cutter and Starplate. Easily replace the wings from the Wing Cutter with the Cutting Plate and Driller Head from the Starplate or vice-versa to get a 2 in 1 cutter.

Product Code	Product Name	Pipe Dimension Ø
241 075	Starplate 75 (ø 56 mm)	75 mm 3"
241 100	Starplate 100 (ø 85 mm)	100 mm 4"
241 150	Starplate 150 (ø 125 mm)	150 mm 6"

Contains adapters for both 10 & 12 mm shaft

RZ Grinder

- Internal Grinding -

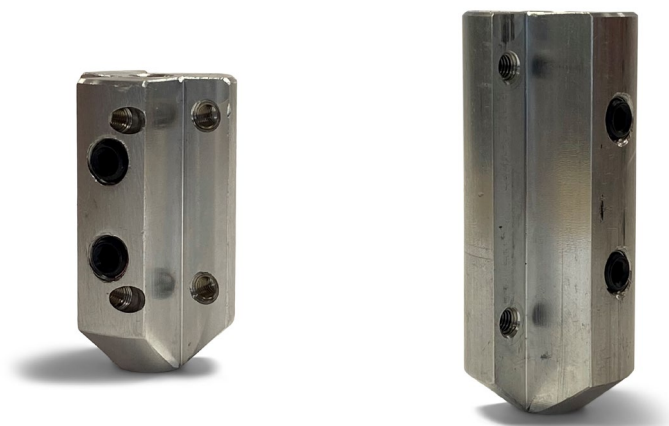
Effective grinding with durable high quality sandpapers.
The rubber sheets will prolong the life of the sandpapers with minimum wear on the ends and push the papers forward to make it more effective and centered.



Product Code	Product Name	Pipe Dimension Ø
240050-06	RZ Grinder 50	50 mm 2"
240050-08	RZ Grinder 50	50 mm 2"
240075-08	RZ Grinder 75	75 mm 3"
240075-10	RZ Grinder 75	75 mm 3"
240100-08	RZ Grinder 100	100 mm 4"
240100-10	RZ Grinder 100	100 mm 4"
240100-12	RZ Grinder 100	100 mm 4"
240150-10	RZ Grinder 150	150 mm 6"
240150-12	RZ Grinder 150	150 mm 6"

RZ Grinder HUB

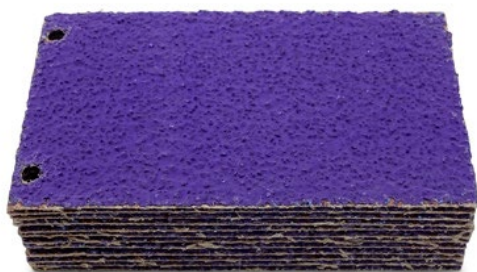
- Hubs for RZ Grinder -



Product Code	Product Name	Pipe Dimension Ø
240050-HUB-06	RZ HUB 50	50 mm 2"
240050-HUB-08	RZ HUB 50	50 mm 2"
240075-HUB-08	RZ HUB 75	75 mm 3"
240075-HUB-10	RZ HUB 75	75 mm 3"
240100-HUB-08	RZ HUB 100	100 mm 4"
240100-HUB-10	RZ HUB 100	100 mm 4"
240100-HUB-12	RZ HUB 100	100 mm 4"
240150-HUB-10	RZ HUB 150	150 mm 6"
240150-HUB-12	RZ HUB 150	150 mm 6"

Sandpaper & Rubber

- Parts for RZ Grinder -



Product Code	Product Name	Product Code	Product Name
Sandpaper-50-12	Sandpaper 50 mm (12 pcs)	240075-RUBBER	Rubber 75 (1 pcs)
Sandpaper-50-24	Sandpaper 50 mm (24 pcs)	240100-RUBBER	Rubber 100 (1 pcs)
Sandpaper-75-12	Sandpaper 75 mm (12 pcs)	240150-RUBBER	Rubber 150 (1 pcs)
Sandpaper-75-24	Sandpaper 75 mm (24 pcs)		
Sandpaper-100-12	Sandpaper 100 mm (12 pcs)		
Sandpaper-100-24	Sandpaper 100 mm (24 pcs)		
Sandpaper-150-12	Sandpaper 150 mm (12 pcs)		
Sandpaper-150-24	Sandpaper 150 mm (24 pcs)		

SHAFTS / ACCESSORIES



Complete Shafts & Repair Kits

Renzorato manufactures customer-specific shafts according to our customer's requests with high quality plastic covers and steel wire. Up to **60 m** in length. The shafts are used together with our machines and could also be used together with a driller machine.

The standard shaft is suited for clockwise direction because of how it's manufactured. We can supply shafts that can reach High Torque in both directions. Please contact us directly or one of our partners near you. Standard length is dimensions: **5 m, 10 m, 15 m, 20 m, 30 m & 40 m**.

Our shaft range

Ultra Light – Our most flexible shaft to easily get through multiple bends in small pipes. Also works in P-Traps. Wire dimension **6 mm**. Recommended for pipe dimensions 32 mm-75 mm (1,25" - 3").

LIGHT – A very flexible shaft that works great in multiple bends. Wire dimension **8 mm**. Compared to Ultra Light this cover is a little bit thicker. Recommended for pipe dimensions 40 mm-75 mm (1,5" - 4").

FLEX – The ultimate combination between our Light Shaft and our standard Medium Shaft. For those needing high flexibility yet a more robust option to the light shaft. Wire dimension **10 mm**. Recommended for pipe dimensions 50 mm-125 mm (2" - 5").

MEDIUM – Our standard work shaft that is suitable for most conditions. Wire dimension **10 mm**. Recommended for pipe dimensions 75 mm-150 mm (3" - 6").

STIFF – Our toughest work shaft for your bigger projects. When you need maximum stability and strength. Wire dimension **12 mm**. Recommended for pipe dimensions 100 mm-250 mm (4" - 10").



All shafts are lubricated in high quality grease by hand. This maximizes the life of the shaft, reduces heat dissipation in the wire and the risk of melting in the plastic covers.

Shaft repair kits for your shafts – so that your work never comes to a downtime.
A small insurance easily placed in your car, trunk or pretty much anywhere.

Flexible shaft that is stocked

RZ1, RZC & SE stands for the specific connections for each machine.

Without any designations above the shaft comes with a driller connection.

Each shaft also contains steel sleeves, teflon plates and an adapter with the same hole diameter as the wire to be able to use with front shaft.

6 mm Shaft/ 10 mm cover

222005	Ultra Light Shaft 5 m
222010	Ultra Light Shaft 10 m
222015	Ultra Light Shaft 15 m
222315	Ultra Light Shaft RZC 15 m

8 mm Shaft/ 12 mm cover

223005	Light Shaft 5 m
223010	Light Shaft 10 m
223015	Light Shaft 15 m
223020	Light Shaft 20 m
223205	Light Shaft RZ1 5 m
223210	Light Shaft RZ1 10 m
223215	Light Shaft RZ1 15 m
223220	Light Shaft RZ1 20 m

223315	Light Shaft RZC 15 m
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10 mm Shaft/ 15 mm cover

224005	Flex Shaft 5 m
224010	Flex Shaft 10 m
224015	Flex Shaft 15 m
224020	Flex Shaft 20 m
224105	Flex Shaft SE 5 m
224110	Flex Shaft SE 10 m
224115	Flex Shaft SE 15 m
224120	Flex Shaft SE 20 m
224210	Flex Shaft RZ1 10 m
224212	Flex Shaft RZ1 12 m
224215	Flex Shaft RZ1 15 m
224220	Flex Shaft RZ1 20 m

10 mm Shaft/ 18 mm cover

225005	Medium Shaft 5 m
225010	Medium Shaft 10 m
225015	Medium Shaft 15 m
225020	Medium Shaft 20 m
225025	Medium Shaft 25 m
225030	Medium Shaft 30 m
225105	Medium Shaft SE 5 m
225110	Medium Shaft SE 10 m
225115	Medium Shaft SE 15 m
225120	Medium Shaft SE 20 m
225130	Medium Shaft SE 30 m
225135	Medium Shaft SE 35 m

12 mm Shaft / 20 mm cover

226005	Stiff Shaft 5 m
226010	Stiff Shaft 10 m
226015	Stiff Shaft 15 m
226020	Stiff Shaft 20 m
226030	Stiff Shaft 30 m
226105	Stiff Shaft SE 5 m
226110	Stiff Shaft SE 10 m
226115	Stiff Shaft SE 15 m
226120	Stiff Shaft SE 20 m
226130	Stiff Shaft SE 30 m

Custom lengths!

Of course, we manufacture lengths according to the customer's wishes if we do not have the right length for your project as a stock item.

Contact us or our nearest partner and we will be happy to help you: info@renzorato.com

Shaft Master Kit

Perfect starter Kit to get you started with our Flex Shafts. Just connect the shaft to your drill and attach the custom tool and you are ready to descale in no time.

Choose Between:

Shaft Master Kit PVC or Shaft Master kit Cast Iron

With 5, 10 or 15 m **Flex Shaft** (10 mm shaft)

Contains:

- 1 pcs Shaft (5, 10 or 15 m)
- 1 pcs - Driller Head 30 mm
- 1 pcs - Driller Head 40 mm
- 1 pcs - Chain Kocker 40 mm
- 1 pcs - Chain knocker 50 mm
- 1 pcs - Chain knocker 75 mm
- 1 pcs - Chain Kocker 100 mm



Contains:

- 1 pcs Shaft (5,10 or 15 m)
- 1 pcs - Driller head 30mm
- 1 pcs - Driller head 40mm
- 1 pcs - Chain Kocker 40 mm
- 1 pcs - Pipe Master 50 mm
- 1 pcs - Pipe Master 75 mm
- 1 pcs - Pipe Master 100 mm



Adapter | Front Shaft | Spring Spacer

Use an **adapter** and a **front shaft** when mounting your cleaning tools instead of mounting the tools directly to your workshaft which will cause damage to your workshaft over time.

It's also easier to switch between tools if you have a set of complete front shafts with already mounted tools for each pipe dimension. Just loose 2-4 allen screws on the adapter of your front shaft and simply attach it to your workshaft.

Tip! Use our **spring spacers** instead of leftover plastic casing to minimize wobbling and vibrations. The spring spacers are more flexible and will not wear down like the plastic casing.



Adapter

252408	Adapter 08/08 35 mm
252409	Adapter 08/10 35 mm
252410	Adapter 10/10 35 mm
252412	Adapter 10/12 35 mm
252412	Adapter 12/12 35 mm
252508	Adapter 08/10 58 mm
252510	Adapter 10/10 58 mm
252512	Adapter 10/12 58 mm
252513	Adapter 12/12 58 mm

Front Shaft

223808	Front Shaft 8 mm
223810	Front Shaft 10 mm
223812	Front Shaft 12 mm
223816	Front Shaft 16 mm

Spring Spacer

255406	Spring Spacer 59 mm
255408	Spring Spacer 84 mm
255412	Spring Spacer 120 mm

Steel Sleeve

Prevents the Cover from melting.
Mounted by threading it onto the cover.



- 255300** Steel sleeve Ultra light
- 255301** Steel sleeve Light
- 255302** Steel sleeve Flex
- 255303** Steel sleeve Medium
- 255304** Steel sleeve Stiff

Teflon Plate

To be put between the tool and steel sleeve
or between the driller connection and plastic
cover. Extra backup to prevent melting.



- 255006-1** Teflon Plate 6 mm
- 255008-1** Teflon Plate 8 mm
- 255010-1** Teflon Plate 10 mm
- 255012-1** Teflon Plate 12 mm

HEX-Link

Driller machine connection



- 252106** HEX Link 6 mm
- 252108** HEX Link 8 mm
- 252110** HEX Link 10 mm
- 252112** HEX Link 12 mm

RZ1-Link

Machine RZ1 connection



- 252208** RZ1 Link 8 mm
- 252210** RZ1 Link 10 mm

Replacement casings



Product Code	Product Name	Meter/Coil
RVH-10X1-V	Ultra Light for 6 mm shaft	15 m
RVH-12X1-V	Light for 8 mm shaft	30 m
RVH-1515-V	Flex for 10 mm shaft	24 m
RVH-1825-V	Medium for 10 mm shaft	60 m
RVH-2020-V	Stiff for 12 mm shaft	60 m

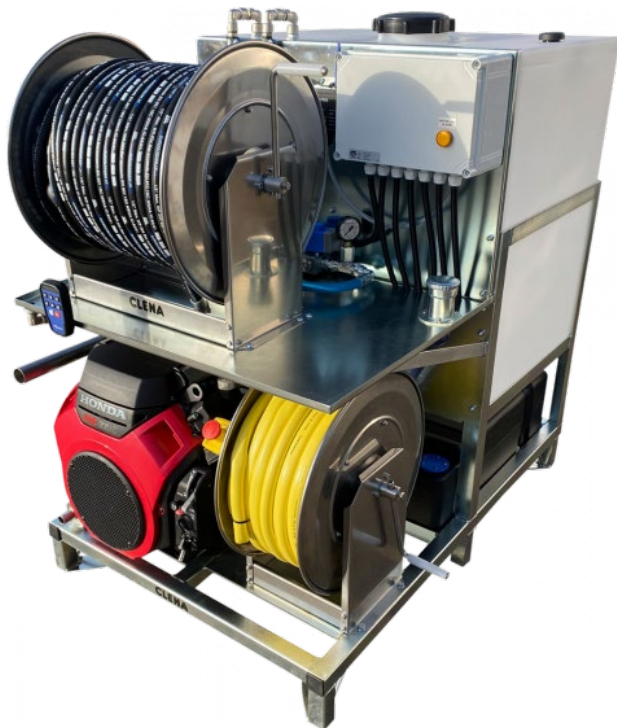
TIP! Use our high quality shaft grease to increase the life of your shaft and casing when you maintain your shafts or change casings.



HIGH-PRESSURE JETTING



SEWER JETTERS



BASIS / 150-55

- 150 Bar
- 55 l/min
- 360 L water tank
- 1 manual hose reel with 50 m ½"
- 1 manual hose reel 25 m ¾" refill
- Honda GX630 2 cyl petrol 21 hk
- Åkerströms Radio remote with features:
Start/Stop - Gas +/- pump ON/OFF
- Hawk pump
- Dry run protection
- Petrol tank 41 L
- Weight 275 kg (without water)
- Size: W:1020 mm x L:1400 mm x H:1120 mm



DELUXE + / 175-55

- 175 Bbar
- 55 l/min
- 500 L water tank
- 1 Automatic hose reel with 50 m ½"
- 1 Automatic hose reel 25 m ¾" refill
- Honda GX630 2 cyl petrol 21 hk
- Åkerströms Radio remote with features:
Start/Stop - Gas +/- - Reels in/out x2 - pump ON/OFF
- Hawk pump
- Dry run protection
- Petrol tank 41 L
- Weight 315 kg (without water)
- Size: W:1020 mm x L:1400 mm x H:1120 mm

HOTBOX



Stationary hot water boiler for heating water for high-pressure jetters BASIS & DELUXE +.

- 350 Bbar – 25-30 l/min – 12V
- Diesel
- Size: H:1040 mm x W:500 mm x L:730 mm
- Weight: 140 kg

INSPECTION CAMERAS



RZ 1080HD



The **RZ 1080HD** is a robust inspection camera with high image resolution in 1080HD which together with its 13.3" monitor makes this camera stand out on the market. Light, flexible and simple for inspection in pipe dimensions 50-225 mm depending on the thickness of the push rod. Thanks to replaceable parts such as head and spring adapter, you can easily replace these parts yourself in the field if necessary.

Camera head

- Camera head 21 mm x 45 mm (total length 160 mm) or 29 mm x 45 mm (total length 230 mm)
- 120 degrees wide angle / 160 degrees wide angle
- LED adjustable
- Self-leveling & Sonde 512Hz

Monitor & Reel

- 13,3" screen
- Picture taking and video recording
- Meter counter, date and time displayed on screen
- Sound recording and text input
- 5,3- or 6,8 mm push rod 30 / 40 / 50 meter
- Rechargeable battery, up to 4-5h battery life
- SD-Card Max 1T (not included)
- AV output

RZ 3499F



The 3499F camera is an affordable, lightweight push-rod camera system for inspection sewer lines from diameters 40 mm to 150 mm. Equipped with a 23 mm camera head that is waterproof to depths of 10 m, with a 120° wide-angle lens, 12 LED lights and sapphire glass cover, makes it the perfect addition to any drainage vehicle. The perfect camera to use to see before/during/after cleaning work with our high-speed machines.

Camera head

- Camera head 23 mm x 45 mm (total length 120 mm)
- 120 degrees wide angle
- LED adjustable.
- Self-leveling & Sonde 512Hz

Monitor & Reel

- 7" LCD screen.
- Picture taking and video recording
- Meter counter, date and time displayed on screen
- Sound recording and text input
- 5,2 push rod 20 / 30 / 40 meter
- Rechargeable battery, up to 6-7h battery life

RZ CAM 3388 PAN & TILT



Product information

Camera Head:

- Ø 28mm Camera Head. Self levelling with Pan & Tilt function, pan 360°, tilt 180°
- 2 LED lights in front
- Built-in 512Hz Sonde
- Including skids, 50 mm & 90 mm
- Able to go down to 10 m under water
- Push cable: 8 mm
- Length: 60 m

Monitor:

- 10" LCD color TFT LCD
- SD Card or USB input for recording/storage of videos and still images
- Rechargeable battery, up to 4-5h battery life
- Date and time on screen
- Voice recording and text input
- Meter Counter
- Language: English

Spare parts/ Accessories

- Camera heads with sonde 512 Hz 28 mm & 56 mm
- Locator
- Push cable 60 m
- More accessories are available on our website



SOCIAL MEDIA

Keep yourself updated on new innovations and see our products out in the field by following us on social media

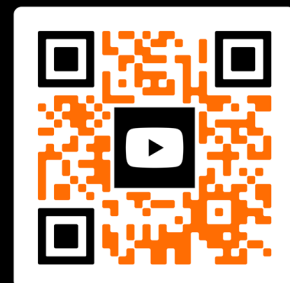
SCAN & FOLLOW



FACEBOOK



INSTAGRAM



YOUTUBE



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Instagram | Facebook | Youtube**

The Original Black & Orange

Made In Sweden

