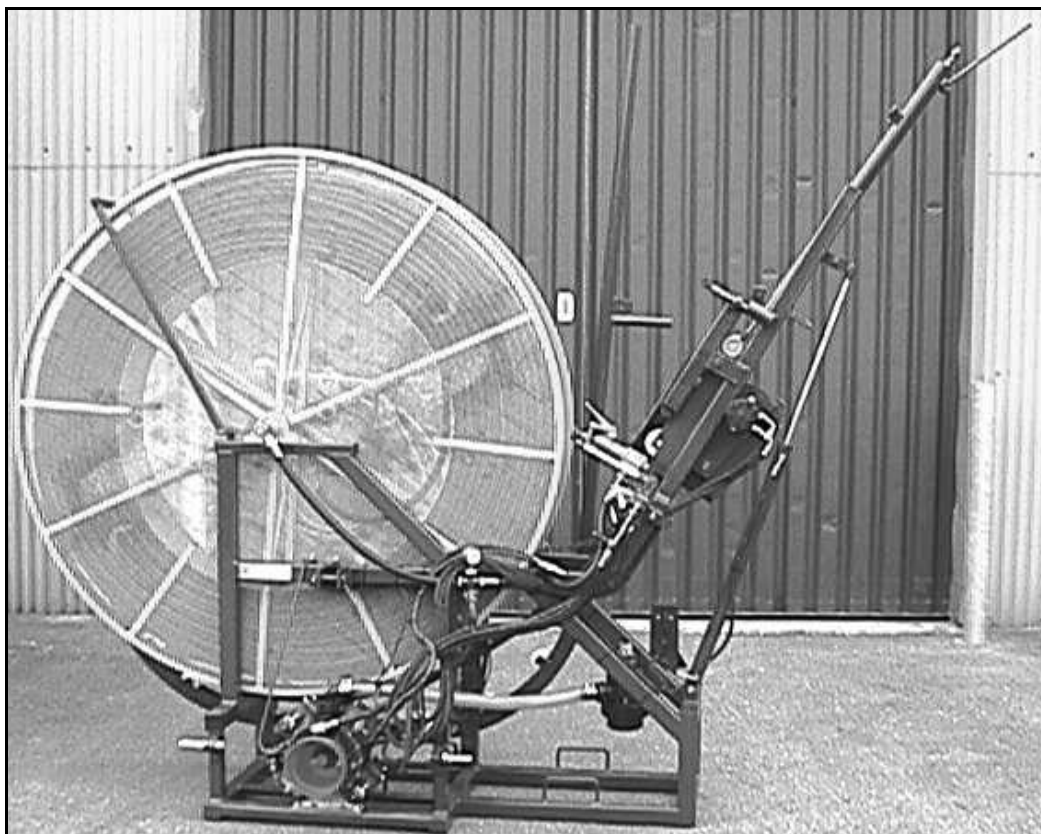


---

**SIEGER HD B.V.**



**USER MANUAL & SPARE PARTS BOOK**  
**SIEGER-HD**

**DRAIN CLEANER**

Type: EXPORT

P.O. Box 78  
8330 AB Steenwijk, Holland  
Tel. 0031-521-527200  
Fax. 0031-521-518288

8250510-06-2003

**Declaration of Conformity for the EC**  
(Directive 98/37/EEC, Appendix II, under A)

We,

**SIEGER HD B.V.**

**Sieger HD B.V., P.O.Box 78, 8330 AB Steenwijk, Holland**

Tel.: 0031-521-527250

Fax: 0031-521-518288



declare entirely under own responsibility, that the product:

**SIEGER-HD:** DRAIN CLEANER

**Type:** EXPORT

**Machine number:** .....

complies with the definition of the Machine directive (98/37/EG, as lastly altered).

Made in Steenwijk, Mai 2003.

A handwritten signature in black ink, consisting of a large, stylized 'D' followed by a horizontal line extending to the right.

D. Blaauw  
Director Sieger HD B.V.

**INSTRUCTIONS FOR USE SPARE PARTS BOOK SIEGER HD**

Original spare parts are specially developed for this machine. Please pay attention, that spare parts which are not manufactured and supplied by SIEGER HD are also not inspected and released by SIEGER HD. When you mount those parts they can have negative and unsafe effects on the machine.

The manufacturer cannot be held responsible for the damage originated from the use of non-original parts. Also for damages caused by modifications on the machine, not done by SIEGER HD, the manufacturer cannot be held responsible.

**When ordering spare parts always mention the number of your machine.**

Your machine number can be found on the name-plate on the left front side of the machine.

Machine number:

.....

## ***1. Table of contents***

<b>Chapter</b>		<b>Page</b>
<b>1</b>	<b>Table of contents</b>	<b>3</b>
<b>2</b>	<b>Description</b>	<b>4</b>
<b>3</b>	<b>Operation</b>	<b>7</b>
<b>4</b>	<b>Safety instructions</b>	<b>9</b>
<b>5</b>	<b>Frost protection</b>	<b>10</b>
<b>6</b>	<b>Maintenance</b>	<b>11</b>
<b>7</b>	<b>Failures</b>	<b>12</b>
<b>8</b>	<b>Technical data</b>	<b>13</b>
<b>9</b>	<b>Options</b>	<b>14</b>
<b>10</b>	<b>Spare parts lists:</b>	<b>17</b>
	Composition drain cleaner	19
	Composition frame	21
	Composition side arm	23
	Composition guide arm	25
	Composition hydraulic system	27
	Composition water plumbing	29
	Pump comet APS 145	31
	Pressure regulator	33
	Suction filter	35
	Composition suction hose	37
	<b>Options:</b>	
	Composition shaft bend 30 cm	39
	Composition shaft bend 40-60 cm	41
	Composition hydraulic telescope guide arm	43
	Composition electro-hydraulic remote control	45
	Composition independent hydraulic pack	47
	Composition sidearm with 4 driven wheels	49
	Survey nozzles	51

## ***2. Description***

The drain cleaner consists of the following parts:

- Frame
- Reel
- Side arm with hose drive
- Guide arm
- Hydraulic system
- Water plumbing

### **Frame**

A strong frame that can be attached to the three-point linkage of the tractor and that has place for:

- reel
- pump
- inserting mechanism
- hydraulic system
- lighting

The frame also has standard pick up points for the use of a fork-lift truck.

### **Reel**

The reel has an extra large diameter. The advantage is that the hose will be less bended.

Because of that the friction is as little as possible, so that the decrease of pressure is limited.

Because of the narrow high construction of the reel it can coil a long hose (for example up to 500 mtr.) without guidance.

### **Side arm with hose drive**

The side arm can be moved up and down with a hydraulic cylinder so that the bottom side of the guide arm can be placed right in front of the drain. The hose drive consists of two hydraulic driven rubber rolls of Ø 200 mm. They are constructed in such a way that they have a maximum traction on the hose. The counter pressure rolls are suspended in a pivoting system so that a connecting coupling can also go through the drive. With the pivoting part and the set bolt the pressure of the counter pressure rolls on the hose can be adjusted. When the pressure is too low the drive on the hose can start to slip and the hose will damage too fast. When the pressure is too high the hose will also damage.

Metre counter: Behind the drive rolls you will find a metre counter. This counter will register how many metres of hose are in the drain and can indicate the location of the blockage.

### **Guide arm**

The guide arm is constructed in such a way that it is possible to work over a fence. The inserting bend of the arm can be turned, so that it can also be inserted on the other side of the ditch. For transport on the road the guide arm can be taken off the side arm and can be put away on the back of the frame.

**Hydraulic system**

The hydraulic system can be connected with the double-acting valve of the tractor or with the single-acting valve with a free return. During your work with the drain cleaner the system must be under continuous pressure. The machine is operated with the triple valve block. This valve block can also be mounted on the rear side or in the cabin. Should the machine work in the opposite direction of rotation the pressure and the return pipe must be exchanged or the hydraulic lever in the tractor must be put in the other position. The hydraulic motors on the reel and the side arm are connected in such a way, that the hose will stay tight on the reel during both coiling and uncoiling. The coiling and uncoiling speed can be adjusted with the adjustable throttle next to the valve block.

**Water plumbing****Pump**

The COMET APS 145 water pump has a capacity of 132 l/min and a maximum pressure of 50 bars. This is an ample reciprocating diaphragm pump driven by the drive shaft of the tractor. This pump is not sensitive for polluted water. The pump is constructed in such a manner that all the parts that are liable to wear can be easily replaced. The maximum number of revolutions of the pump is 550 rev/min., but may never be under 300 rev/min. When using a drive shaft with 1000 or 750 revolutions you can keep the engine speed of the tractor lower. This will save fuel and give less noise. Because the pump is ample, you will be able to work with a lower engine speed.

**Pressure regulating**

The water pressure can be regulated with the turning knob on top of the pressure regulator. With a lever on the pressure regulator the pump can be relieved, for example while you are placing the guide arm in front of the drain pipe.

The optimum working pressure on the pump is 30 to 35 bars. With a higher pressure the PE hose will be overloaded and will have a shorter life. Because of the friction in the hose a higher pressure will hardly bring more delivery.

A lower pressure will not bring enough water to the nozzle, which leads to bad cleaning.

<b>Pump pressure</b>	<b>Nozzle pressure</b>	<b>L/min at 315 m</b>	<b>Nozzle pressure</b>	<b>L/min at 400 m</b>
20 bars	6.0 bars	49,4	5 bars	47,4
25 bars	8.5 bars	56,1	7,4 bars	53,3
30 bars	10 bars	61,6	8,5 bars	58,8
35 bars	12.5 bars	67,4	11,3 bars	63,2
40 bars	14.5 bars	71,4	12,9 bars	68,6
45 bars	16.5 bars	75,7	14,8 bars	72,5

The return water of the pressure regulator will be connected to the upper side of the guide arm. The hose is lubricated with this water in the inserting arm. During withdrawal the hose is cleaned again.

**Filters**

The suction filter is 10 mtr long and has a ditch filter at the end. In front of the pump you find the main filter.

### Hose

The hose is a PE polyethylene hose with an outer diameter of 27 mm and a thickness of 3,3 mm. This hose is flexible and strong. A bigger diameter has too much friction in the pipe. Because this pipe has a specific gravity lower than 1 it can float on the water. This hose is delivered in a standard size of 315 mtr. As an option there are the following lengths: 350, 400, 450 and 500 mtr. Longer lengths only on demand.

Pipe resistance hose 27 mm						
Litre per minute	50	60	70	80	90	100
Pipe resistance per 100 mtr	3,6	5	6.5	8.25	10,2	12,2

### Hose connection

When the hose is damaged the damaged part can be replaced. The hose can be put together with a hose connection (number 8200361) and two clamping bushes (number 9820211.0). The hose connection and the two clamping bushes are delivered with the drain cleaner.

### Flexible hose part

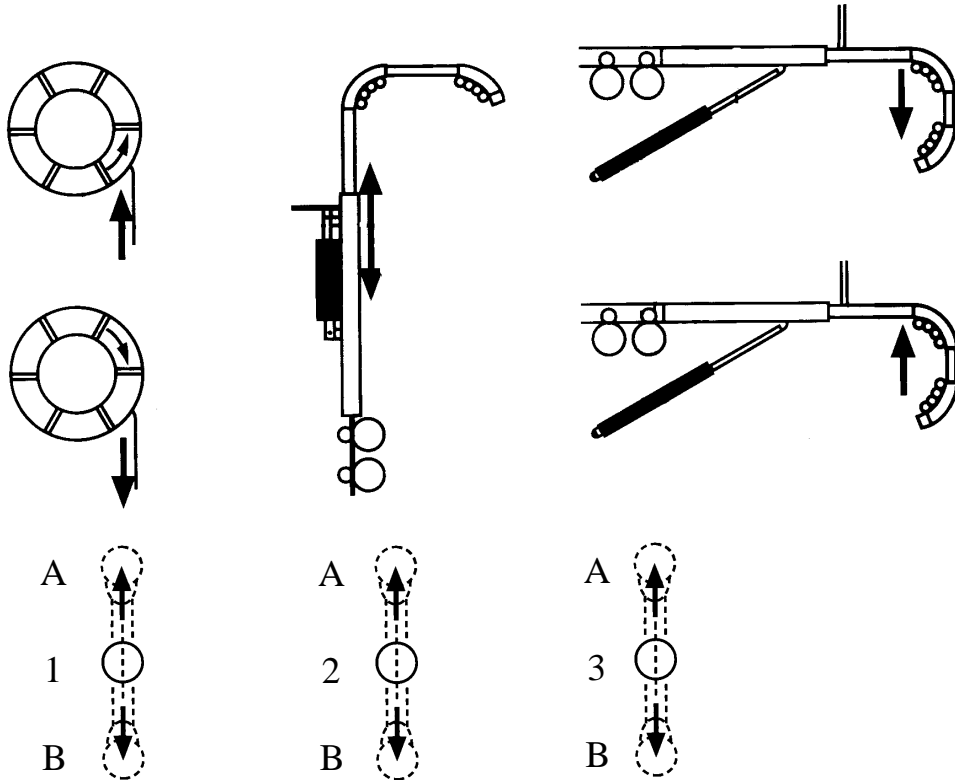
A flexible hose part is mounted between the spraying hose and the nozzle to facilitate the searching of the nozzle, and to keep the nozzle in the middle of the drain pipe as much as possible. At the end we find a thread 5/8" to which all types of nozzles can be mounted.

### Nozzle

The standard nozzle on the machine has 13 holes of Ø 2 mm: 1 hole to the front and 12 holes to the back under an angle of 15°. This is the perfect angle to clean the drain shell and to rinse the dirt without damaging the drain shell or the protective sheathing. The hole to the front is for soaking the dirt or for boring out a very dirty drain. When the dirt sticks fast to the shell it is possible to use a nozzle with holes under an angle of 30° to the back. In rich clay it is possible to use a nozzle with 3 holes to the back and 1 hole to the front to be able to soak this clay. For larger pipe diameters you can use special nozzles with guidance. These nozzles can be delivered in the following sizes: 60, 75, 100 and 125 mm.

### 3. Operation

- Please pay attention that the drive shaft is not too long when you connect the drain cleaner to the tractor. Lift the drain cleaner high enough that the shaft is in a horizontal position.



- Put pressure on the hydraulic system when you are in the field. Detach the chain of the side arm that is pinned to the frame. Lower the arm by putting lever 3 in position A. With the variable throttle the lowering speed of the cylinder can be adjusted.
- Put the guide arch on the side arm. Mount the suction hose and hang it over the brackets on the guide arm. Put the return hose of the pressure regulator on the overflow connection on top of the guide arm.
- Adjust the inserting speed of the hose on slow by turning the variable throttle to the left. Insert the hose through the guide arch by placing lever 1 in position B. Adjust the pressure of the drive rolls on the hose with the set bolt on the pivoting part. The drive rolls may not slip on the hose.
- Put the meter counter on zero.
- Disengage the pressure regulator.
- Drive the machine in front of the drain. Place the guide arch right in front of the drain, with the end of the arch at a maximum of 20 cm from the drain. If the distance is too far, it is possible that during insertion, when there is more friction, the hose will bend and damage. As a safety measure the guide arch must always be secured with the pin.



- Engage the drive shaft with about 540 rev/min. Wait until the pump draws plenty of water and tighten the pressure regulator and adjust the pressure to a maximum of 35 bars. When a new machine is put into operation the polyethylene hose is still empty, it will need about 1 minute to fill up. Make sure that water runs through the overflow hose along the guide arch. This way the PE hose will be wet when it enters the drain pipe, which will give less friction. The hose is cleaned on withdrawal.
- Place lever 1 in position B, so that the hose enters the drain pipe. Set the correct speed with the variable throttle: about **25 to 30 metres per minute**. This is dependant on pollution, kind of soil, ground water level, drain type and operating pressure. If necessary increase the pressure of the drive rolls on the hose with the set bolt on the pivoting part.

**WHEN THE HOSE IS INSERTED THE MACHINE MUST BE UNDER CONSTANT SURVEILLANCE! This way it is possible to reverse, withdraw or stop when the end of the drain has been reached or in case of malfunction. Slip may cause the hose to wear through. Remain alert!!**

- On the metre counter you can see how far the nozzle is in the drain pipe.
- Withdraw the hose by putting lever 1 in position A. Adjust the speed slower at **maximum 20 metres per minute**.

**WITHDRAWAL MUST ALWAYS BE DONE AT SLOWER SPEED THAN INSERTION!**

- If the nozzle gets stuck in the drain during insertion because of an obstruction, switch lever 1 from B to A. Withdraw the hose 5 to 10 metres and try again to penetrate the hose into the drain pipe. Repeat this procedure a few times until the obstruction is gone.
- If the nozzle gets stuck in the drain pipe after about 50 metres because of strong pollution, the hose has to be withdrawn completely so that the dirt is removed from the drain pipe. Clean the next part of the drain pipe in the same way, to avoid that the nozzle with the hose gets stuck in the drain pipe.

**NEVER STOP EITHER THE WATER PRESSURE OR THE PUMP WHILE THE NOZZLE WITH THE HOSE IS STILL IN THE DRAIN. The hose may get stuck because of the sand and it will be impossible to get it out again.**

- When the drain pipe has been cleaned, totally withdraw the hose until the nozzle is out of the drain. Slowly disengage the pressure regulator with the lever. Because the pressure is taken from the hose it is possible that the reel starts to reverse. If this happens hold the reel with your hand. Disengage the drive shaft, lift the side arm and drive to the next drain.
- After use always reduce the pressure of the drive rolls on the hose by disengaging the pressure regulator with the set bolt on the pivoting part.

#### ***4. Safety instructions***

- ♣ The tractor and the machine are to be driven and operated only by qualified persons.
- ♣ Starting and running of the tractor, either with or without the machine, in a closed room is prohibited.
- ♣ Switch off the tractor engine during repairs on the tractor or the machine.
- ♣ During transport take the guide arch of the side arm and place it on the back of the frame on the appropriate brackets.
- ♣ During transport fully lift the side arm and lock it on the frame with the chain.
- ♣ Comply with the safety instructions when the machine is running.

## ***5. Frost protection***

If it is not possible to put the machine in a frost-free place, please follow the next instructions:

1. Drain off the suction filter on the machine, by loosening the swivel ring and emptying the filter.
2. Fasten the polyethylene hose and the nozzle on the reel.
3. Engage the pump and suck some air.
4. Engage the pressure regulator and turn the control button fully in.
5. Slowly coil the reel, by putting lever 1 in position A. Water will now spray from the nozzle. After about 4 or 5 minutes the hose will be empty and only air escapes from the nozzle, so than you can stop. Put lever 1 in position 0 switch off the pump.
6. Disengage the pressure regulator.
7. Fill up the pump with antifreeze agent by dismounting the suction coupling from the pump.
8. Turn the pump shaft a few times so that the antifreeze agent will spread through the pump.

## ***6. Maintenance***

- Grease the lubricator nipple on the drive wheels and hinge points every week.
- Oil the nylon rolls after use to prevent rusting of the shafts.
- Oil the shaft of the metre counter every day to prevent rusting.
- After the first 5 working hours the bolts and nuts must be retightened.
- Clean the suction filter on the machine daily or more times a day if necessary.
- Flush the pump regularly with clean water (pumping). Especially when you have to pump from a dirty or shallow ditch.
- Check the oil-level of the pump regularly.
- Renew the pump oil (type 20W-30) after every 200 working hours or once a year. While draining, turn the pump shaft a few times until the oil flow has stopped.
- Grease the reel bearings once a year.

In case of an independent hydraulic pack:

- Renew the oil (oil type W90) of the gearbox (between the water and hydraulic pump) once a year.

## ***7. Failures***

<b>Failure</b>	<b>Cause</b>	<b>Instructions</b>
No suction from the pump.	<ul style="list-style-type: none"><li>• Clogged filter or suction hose and/or leaking couplings.</li></ul>	<ul style="list-style-type: none"><li>- Clean filter.</li><li>- Repair leaks.</li></ul>
Irregular manometer pressure.	<ul style="list-style-type: none"><li>• Insufficient water supply to pump.</li><li>• Pressure in air receiver too low.</li><li>• Dirt between valves.</li></ul>	<ul style="list-style-type: none"><li>- Make sure that the ditch filter is under water.</li><li>- Pump up the air receiver 3,5 bars.</li><li>- Clean the valves.</li></ul>
Pressure cannot be regulated.	<ul style="list-style-type: none"><li>• Valve and seat in the pressure regulator are worn.</li><li>• Burr in regulator house.</li></ul>	<ul style="list-style-type: none"><li>- Replace.</li><li>- File out.</li></ul>
Water pressure falls.	<ul style="list-style-type: none"><li>• Oil level too low.</li><li>• Valve spring broken.</li></ul>	<ul style="list-style-type: none"><li>- Fill up oil.</li><li>- Renew valves.</li></ul>
Pump knocks (taps).	<ul style="list-style-type: none"><li>• Suction filter clogged.</li></ul>	<ul style="list-style-type: none"><li>- Clean filter.</li></ul>
Hydraulic system does not work.	<ul style="list-style-type: none"><li>• Variable throttle is completely open.</li></ul>	<ul style="list-style-type: none"><li>- Close the throttle a few turns (to the right).</li></ul>
Reel does not uncoil.	<ul style="list-style-type: none"><li>• Dirt in valve on hydromotor reel.</li></ul>	<ul style="list-style-type: none"><li>- Clean.</li></ul>
Reel does not coil.	<ul style="list-style-type: none"><li>• Dirt in hydromotor valve on inserting mechanism.</li></ul>	<ul style="list-style-type: none"><li>- Clean.</li></ul>
Oil is overheated.	<ul style="list-style-type: none"><li>• Vent in hydromotor valve on inserting mechanism is too small or dirty.</li></ul>	<ul style="list-style-type: none"><li>- Clean or bore out the vent (Ø1,3 mm) by a few tenths of a mm.</li></ul>

## ***8. Technical data***

Length:	75 cm.
Width:	240 cm.
Height:	235 cm.
Weight:	350 kg.
Lifting bolts	Category 2
Hydromotors:	2x 157 cc
Oil capacity:	20 l/min.
Water pump:	4 cylinders/diaphragm
Oil type pump:	20W30
Oil capacity pump:	2,9 ltr.
Max. number of revolutions water pump:	540 rev/min.
Max. capacity water pump:	132 ltr/min.
Max. pressure water pump:	50 bars
Max water pressure:	35 bars
Length suction hose:	10 mtr.
Overflow hose:	6 mtr.
Hose:	Polyethylene Ø27 x 3,3 mm. Standard length 315
Nozzle:	1x Ø 2 mm. to the front, 12x Ø 2mm to the back

### **Independent hydraulic pack:**

Oil type:	50 litre HV68
Oil type:	W90

## 9. Options

### **Shaft systems**

For cleaning of drains that discharge into shafts, additional attachments are available.

There are 2 models:

- Shaft system for 30 cm Nr. 9821007.0
- Shaft system for 40 to 60 cm Nr. 9821008.0

With this system the hose can be bend sharply to be inserted in the drain.

### **Arm extension**

As an option an extension of 2,00 mtr can be supplied. This extension can be mounted between the side arm and the guide arch, so that in special cases you can stay further away from the ditch. When the ditch is very deep, the extension can also be placed between the two arches.

- Arm extension Nr. 9820217.0
- Locking bolt Nr. 9820134.0

### **Telescope system**

With this option the guide arch can be telescoped out through a hydraulic cylinder with regard to the side arm. The telescope cylinder is operated with the middle lever of the standard triple control block. With this telescope cylinder it will be easier to place the guide arm in front of the drain.

- Telescope system Nr. 9821006.0

### **Electro-hydraulic remote control**

The hydraulic functions can also be commanded electrically. The functions are then operated with 3 switches on a box with a 10-meter cable. This box can also be mounted in the cabin, so that the machine can be operated from the tractor. Because of this 10-meter cable it is also possible to operate the machine when you are standing on the side of a ditch near the drain pipe.

- Electro-hydraulic remote control Nr. 9821010.0

### **Independent hydraulic pack**

The drain cleaner can be equipped with an independent hydraulic pack. In that case the machine does not use the tractor hydraulics. The hydraulic pump is placed directly behind the water pump and does not need a separate drive this way. De hydraulic tank is mounted on the back of the frame. The oil level of the tank must be checked regularly through the sight glass and the return filter must be replaced when it is dirty. The number of revolutions of the drive shaft may be **300 rev/min at the most**, or the hydraulic pump will be overloaded.

- Independent hydraulic pack Nr. 9821011.0

**Longer hoses**

- Polyethylene hose Ø27 x 3,3 mm L=315 metre Nr. 8200321
- Polyethylene hose Ø27 x 3,3 mm L=350 metre Nr. 8200325
- Polyethylene hose Ø27 x 3,3 mm L=400 metre Nr. 8200340
- Polyethylene hose Ø27 x 3,3 mm L=450 metre Nr. 8200345
- Polyethylene hose Ø27 x 3,3 mm L=500 metre Nr. 8200350

Other lengths only on demand.

**Nozzles**

Different nozzles adapted for use in special circumstances and for different drain pipe diameters can be supplied. All nozzles can be mounted on the flexible part at the end of the hose. On page 48 and 49 you can find a survey with all the nozzles and their number.

**Electronic seeking system**

When cleaning the drains it is possible that the nozzle gets stuck in the drain because of obstructions or subsidence of the pipe. When the pipe is straight you can measure with the metre counter where you have to dig up the pipe. But especially with systems that are a little older this is not always correct.

For these problems you can use an electronic seeking system. This is ultra-modern equipment where you use a transmitter and a receiver to locate the place of the problem. The used nozzle is replaced by a nozzle with a transmitter. Above the ground you can seek the place of the obstruction with the transmitter. The receiver will give a frequent sound that gets higher when you get closer with the transmitter.

There are 3 models available with different ranges and additional accessories.

Type	Range	Description	Part number
TECTA	3 mtr	Compact model	7212700
FARMA	4 mtr	Headphone	7212750
ALTRA	10 mtr		7212760





## ***10. Spare parts lists Drain cleaner***

### **CONTENTS:**

COMPOSITION DRAIN CLEANER	Nr. 9821001.0	Page 19
COMPOSITION FRAME	Nr. 9821002.0	Page 21
COMPOSITION SIDE ARM	Nr. 9821003.0	Page 23
COMPOSITION GUIDE ARM	Nr. 9821004.0	Page 25
COMPOSITION HYDRAULIC SYSTEM	Nr. 9821012.0	Page 27
COMPOSITION WATER PLUMBING	Nr. 9821013.0	Page 29
PUMP AR 1254	Nr. 8200455	Page 31
PRESSURE REGULATOR	Nr. 8200490	Page 33
SUCTION FILTER	Nr. 7315469	Page 35
COMPOSITION SUCTION HOSE	Nr. 9821005.0	Page 37

### **OPTIONS:**

COMPOSITION SHAFT SET 30 CM	Nr. 9821007.0	Page 39
COMPOSITION SHAFT SET 40 – 60 CM	Nr. 9821008.0	Page 41
COMPOSITION TELESCOPE SYSTEM	Nr. 9821006.0	Page 43
COMPOSITION EL-HYDR. REMOTE CONTROL	Nr. 9821010.0	Page 45
COMPOSITION INDEPENDENT HYDRAULIC PACK	Nr. 9821011.0	Page 47
COMPOSITION SIDEARM WITH 4 DRIVEN WHEELS	NR.9821014.0	Page 49
SURVEY NOZZLES		Page 51



**COMPOSITION DRAIN CLEANER**

**Nr. 9821001.0**

POS	SPARE PART N°	N°	DESCRIPTION
1	9821002.0	1	COMPOSITION FRAME
2	9821003.0	1	COMPOSITION SIDE ARM
3	9821004.0	1	COMPOSITION GUIDE ARM
4	9821012.0	1	COMPOSITION HYDRAULIC SYSTEM
5	9821013.0	1	COMPOSITION WATER PLUMBING
6	7020168	1	CYLINDER D=25/40 STROKE=750
7	9820038.0	1	PIN
8	8200361	1	HOSE COUPLING FOR HOSE (Ø27x3.3) (for repairs on the hose)
9	9820211.0	2	CLAMPING BUSH FOR HOSE (Ø27x3.3) (for repairs on the hose)
10	7860317	1	DRIVE SHAFT W 2102
11	8250506	1	MANUAL & SPARE PARTS BOOK
12	7934259	2	CAP Ø19 x 1.5
13	3027630	4	BOLT M12 x 25 Elvz. DIN 933
14	3142120	4	SELF-LOCKING NUT M12 Elvz. DIN 985
15	3027716	2	BOLT M16 x 55 Elvz. DIN 933
16	3060764	2	BOLT M16 x 100 Elvz. DIN 931
17	3142160	4	SELF-LOCKING NUT M16 Elvz. DIN 985



**COMPOSITION FRAME**

**Nr. 9821002.0**

<b>POS</b>	<b>SPARE PART N°</b>	<b>N°</b>	<b>DESCRIPTION</b>
1	9820065.0	1	FRAME
2	9820158.0	1	REEL
3	9820172.0	4	NETTING SEGMENT
4	9820058.0	4	STRIP NETTING ATTACHMENT
5	9820028.0	1	HOOP GUARD
6	9820045.0	1	HOOK DRIVE SHAFT
7	9820048.0	1	PIN TOP LINK
8	9820044.0	1	PINS ON CHAIN
9	9820033.0	2	STRIP HINGE PROTECTION
10	2670400	2	RUBBER 100 x 50 x 5
11	5033040	2	BEARING HOUSE + BEARING PASEY 40
12	7240755	1	HYDRAULIC MOTOR T-SERIES 157cc
13	8270452	1	TYPE PLATE
14	8270454	1	PATENT PLATE
15	7975140	1	STICKER MAX. 35 BARS PRESSURE
16	7975170	1	STICKER "GEPRUFTE SICHERHEIT"
17			
18	8255510	1	LIGHTING SET
19	7740073	50	CABLE BUNDEL TAPE 4.8 x 360
20	7961810	1	SLOW TRAFFIC SIGN
21	7961846	2	REFLECTOR
22	7978315	2	LIFTING BOLT 28mm CAT. 2
23	3280040	3	SPRING CLIP 4mm
24	0910104	1	CHAIN 4mm Elvz. 15 LINKS
25	7934598	4	CAP 60 x 60 x 3
26	7934595	4	CAP 60 x 40 x 4
27	7934280	15	CAP 25 x 25 x 2
28	2292028	1	HOSE HDPE Ø32 x 2 L=12000
29	4110014	2	GREASE NIPPEL 1/8"
30	3250885	74	BLIND RIVET Ø5.0 x 20.0
31	3250852	8	BLIND RIVET Ø5.0 x 14.0
32	3250615	2	BLIND RIVET Ø4.0 x 12.0
33	3309555	4	FILLISTER HEAD SCREW M5 x 16 Elvz. DIN 84
34	3142050	8	SELF-LOCKING NUT M5 Elvz. DIN 985
35	3142080	2	SELF-LOCKING NUT M8 Elvz. DIN 985
36	3765080	2	WASHER M8 Elvz. DIN 125A
37	3027636	4	BOLT M12 x 40 Elvz. DIN 933
38	3060678	4	BOLT M12 x 80 Elvz. DIN 931
39	3142120	9	SELF-LOCKING NUT M12 Elvz. DIN 985
40	3765120	7	WASHER M12 Elvz. DIN 125A



**COMPOSITION SIDE ARM**  
**Nr. 9821003.0**

<b>POS</b>	<b>SPARE PART N°</b>	<b>N°</b>	<b>DESCRIPTION</b>
1	9820109.0	1	SIDE ARM
2	9820134.0	1	CLAMPING SCREW GUIDE ARM
3	9820145.0	1	PRESSURE ROLL LEVER
4	9820026.0	1	BOLT
5	9820139.0	1	PIVOTING PART PRESSURE ROLL
6	9820015.0	2	PRESSURE ROLL Ø100
7	9820142.0	1	SET BOLT PRESSURE ROLL
8	9820150.0	1	COMPRESSION SPRING PRESSURE ROLL
9	9820014.0	1	DRIVE WHEEL MOTOR SIDE Ø200
10	9820011.0	1	SPROCKET WHEEL MOTOR SIDE HOLE Ø35
11	9820013.0	1	DRIVE WHEEL Ø200 + BEARING
12	9820012.0	1	SPROCKET WHEEL DRIVEN HOLE Ø22
13	9820157.0	1	SHAFT DRIVEN WHEEL
14	9820035.0	1	PROTECTING CAP CHAINE
15	9820152.0	1	SUPPORT METRE COUNTER
16	8200156	1	METRE COUNTER
17	8200152	1	SMALL WHEEL FOR METRE COUNTER
18	4830140	1	DRAW SPRING d=1 D=10 Lbo=60 SS
19	8257549	2	GUIDE ROLLER SMALL Ø50
20	8257550	1	GUIDE ROLLER BIG Ø75
21	7240755	1	HYDRAULIC MOTOR T-SERIE 157cc
22	6100195	1	ROLLER CHAIN ½" x 5/16" 64 rolls
23	6180080	1	CLOSING LINK ½"
24	7934590	1	CAP 60 x 20 x 2
25	7934595	1	CAP 60 x 40 x 4
26	7934600	1	CAP 60 x 60 x 4
27	7934259	1	CAP Ø19 x 1,5
28	4110089	2	GREASE NIPPEL M8
29	3230390	1	SPLIT PIN Ø5 x 40 Elvz. DIN 94
30	3027426	2	BOLT M4 x 16 Elvz. DIN 933
31	3142040	2	SELF-LOCKING NUT M4 Elvz. DIN 985
32	3027540	2	BOLT M8 x 20 Elvz. DIN 933
33	3750282	1	RING M8 Elvz. DIN 9021
34	3027582	1	BOLT M10 x 20 Elvz. DIN 933
35	3027590	1	BOLT M10 x 35 Elvz. DIN 933
36	3060638	1	BOLT M10 x 80 Elvz. DIN 931
37	3142100	3	SELF-LOCKING NUT M10 Elvz. DIN 985
38	3765100	2	WASHER M10 Elvz. DIN 125A
39	3027636	2	BOLT M12 x 40 Elvz. DIN 933
40	3060676	2	BOLT M12 x 75 Elvz. DIN 931
41	3142120	9	SELF-LOCKING NUT M12 Elvz. DIN 985
42	3750340	5	RING M12 Elvz. DIN 9021
43	3142200	2	SELF-LOCKING NUT M20 Elvz. DIN 985
44	3765200	1	WASHER M20 Elvz. DIN 125A
45	7975145	1	STICKER SIEGER-HD
46	7975135	1	STICKER "QUETSCHGEFAHR"





**COMPOSITION GUIDE ARCH**

**Nr. 9821004.0**

<b>POS</b>	<b>SPARE PART N°</b>	<b>N°</b>	<b>DESCRIPTION</b>
1	9820174.0	1	GUIDE ARCH
2	9820183.0	1	CLAMPING SCREW GUIDE ARCH
3	9820230.0	1	STRIP PE 50 x 5 L=1000
4	3250852	6	BLIND RIVET Ø5.0 x 14.0
5	8257550	4	GUIDE ROLLER BIG Ø75
6	3060638	4	BOLT M10 x 80 Elvz. DIN 931
7	3142100	4	SELF-LOCKING NUT M10 Elvz. DIN 985
8	7934265	1	CAP Ø32
9	9820185.0	1	SHAFT ARCH STANDARD
10	9820231.0	1	STRIP PE 50 x 5 L=1040
11	3250852	8	BLIND RIVET Ø5.0 x 14.0
12	8257550	4	GUIDE ROLLER BIG Ø75
13	3060638	4	BOLT M10 x 80 Elvz. DIN 931
14	3142100	4	SELF-LOCKING NUT M10 Elvz. DIN 985
15	3025100	1	WING BOLT M8 x 25 DIN 316



**COMPOSITION HYDRAULIC SYSTEM**

**Nr. 9821012.0**

<b>POS</b>	<b>SPARE PART N°</b>	<b>N°</b>	<b>DESCRIPTION</b>
1	7242667	1	CONTROL BLOCK TRIPLE
2	9820227.0	1	HYDR. PIPE Ø12 x 1 L=70
3	9820228.0	1	HYDR. PIPE Ø12 x 1 L=110
4	9820229.0	1	HYDR. PIPE Ø12 x 1 L=130
5	7321777	2	COUPLING AT RIGHT ANGLES WE 12 LR ½"
6	7390696	1	VARIABLE THROTTLE DV-10-07-1.0-P
7	7320267	2	ADJUSTABLE COUPLING ERT 12 L
8	7321561	2	T-COUPLING T 12 L
9	7320554	2	SCREW COUPLING GE 12 LR
10	7320556	7	SCREW COUPLING GE 12 LR ½"
11	7320748	1	REDUCTION COUPLING GRV-A 12/8 L
12	9987302.0	2	SCREW COUPLING GE LR 3/8" TREATED
13	3360757	2	SET SCREW M8 x 8 0,7 mm BORE
14	5301035	6	MULTISEAL 3/8" 17.3x23.9x2.1
15	7320110	2	SCREWED PLUG DP 3/8"
16	7320524	2	SCREW COUPLING GE 8 LR
17	7220005	1	THROTTLE PLATE Ø1 mm
18	7220006	1	THROTTLE PLATE Ø0.5 mm
19	9820063.0	2	THROTTLE NON-RETURN VALVE
20	5301040	4	MULTISEAL ½" 21.5x28.7x2.5
21	7218601	2	HYDR. HOSE 2STC 10 A05 A05 L=2000
22	7218603	2	HYDR. HOSE 2STC 10 A35 A35 L=3300
23	7128479	1	HYDR. HOSE 2STC 6 A05 A35 L=3700
24	7128602	2	HYDR. HOSE 2STC 10 A05 A05 L=1500
25	7128508	1	HYDR. HOSE 2STC 6 A35 A35 L=3000
26	7128509	1	HYDR. HOSE 2STC 6 A05 A35 L=3800
27	7322920	2	PLUG ½" DN 10
28	7322930	2	DUST CAP DN 10
29			
30	9820054.0	1	SUPPORT HYDRAULIC BLOCK
31	9820053.0	1	SPACER PIPE Ø15x1.5 L=130
32	9820052.0	1	STICKER PLATE
33	7975130	1	STICKER HYDRAULIC CONTROL
34	3060590	3	BOLT M8 x 55 Elvz. DIN 931
35	3142080	3	SELF-LOCKING NUT M8 Elvz. DIN 985
36	3060554	1	BOLT M10 x 150 Elvz. DIN 931
37	3142100	1	SELF-LOCKING NUT M10 Elvz. DIN 985



**COMPOSITION WATER PLUMBING**

**Nr. 9821013.0**

<b>POS</b>	<b>SPARE PART N°</b>	<b>N°</b>	<b>DESCRIPTION</b>
1	8200455	1	PUMP COMET APS 145
2	7320110	2	SCREWED PLUG DP 3/8"
3	4005135	1	KNEE AT RIGHT ANGLES 3/4" BiBu Elvz.
4	2212850	1	SUCTION HOSE PVC Ø40 x 54 L=1000
5	4550950	4	HOSE CLIP 38-50 SS
6	7315044	1	TULLE STRAIGHT 2" x 40
7	7315230	1	SWIVEL 2"
8	7315880	3	O-RING 39.3 x 2.62
9	7315469	1	SUCTION FILTER 2"
10	5222176	1	RUBBER RING 76 x 60 x 6 NBR
11	9821005.0	1	COMPOSITION SUCTIONHOSE
12	7128604	1	HYDR. HOSE 2STC 20 A05 G79 L=750
13	7128605	2	HYDR. HOSE 2STC 20 G79 G79 L=850
14	9820050.0	1	HOLDER PRESSURE REGULATOR
15	8200490	1	PRESSURE REGULATOR
16	2212930	1	SUCTION HOSE 1" L=6000
17	4550930	2	HOSE CLIP 22-32 OS0030 SS
18	7320715	1	SCREW COUPLING GRS 3/4" x 1/4" R
19	7270240	1	MANOMETER 0-60
20	4005530	1	DOUBLE NIPPEL 3/4" nr. 280 Elvz.
21	8200469	1	SWIVEL COUPLING 3/4"
22	4005686	1	COUPLING 3/4" BiBu Elvz.
23	8200499	1	COUPLING PIECE ON REEL
24	9820211.0	2	CLAMPING BUSH FOR HOSE Ø27x3.3
25	8200321	1	HOSE Ø27x3.3 L=315 000 (standard)
25	8200325	1	HOSE Ø27x3.3 L=350 000 (option)
25	8200340	1	HOSE Ø27x3.3 L=400 000 (option)
25	8200345	1	HOSE Ø27x3.3 L=450 000 (option)
25	8200350	1	HOSE Ø27x3.3 L=500 000 (option)
26	8200363	1	HOSE PILLAR 5/8"
27	8200360	1	FLEXIBLE HOSE
28	8200420	1	NOZZLE 1x to the front + 12x 15° to the back
29	3027540	1	BOLT M8 x 20 Elvz. DIN 933



# Sieger HD Drain cleaner

## COMET APS 145

POS	SPARE PART N°	CODE (AR)	DESCRIPTION				
1	1	0402 0143	VOLUM. COMPEN. COVER	52	1	0002 0031	PRESSURE ACCUMULATOR
2	1	1210 0373	O-RING Ø3,53x73,03	53	8	0604 0015	NUT M8
3	1	0421 0012	VOLUMATRIC COMPEN.	54	1	2000 0024	NIPPLE ¾ "
4	1	1210 0002	O-RING Ø2,62x20,7	55	1	1225 0014	ACCUMULATOR ASS
5	1	1200 0052	WINGNUT 2"	56	1	1200 0038	WINGNUT ½ " GAS
6	1	2801 0057	ELBOW COUPLING Ø45	57	1	2802 0020	DELIVERY HOSE TAIL Ø10
7	2	1210 0197	O-RING Ø2,62x39,34	58	1	1209 0013	GASKET Ø12
9	1	2000 0096	NIPPLE 1¾ "-2"	59	1	2826 0006	RIGHT TAP ½ "
10	1	1210 0113	O-RING Ø2,62x47,3	60	1	1214 0017	COMPLETE RIGHT TAP
11	1	0019 0068	OIL SEAL Ø40X60X10	61	1	2803 0434	COUPLING
12	1	1210 0351	O-RING Ø2,62x120,32	62	1	2826 0005	LEFT TAP ½ "
13	1	1210 0355	O-RING Ø2,62x164,77	63	1	1209 0013	GASKET Ø12
14	1	0403 0140	PUMP CRANKCASE	64	1	2802 0020	DELIVERY HOSE TAIL Ø10
15	1	0438 0078	BALL BEARING Ø40	65	1	1200 0038	WINGNUT ½ " GAS
16	1	0601 0264	SPACER Ø40,5	66	1	1214 0016	COMPLETE LEFT TAP
17	1	2813 0030	WASHER Ø40	67	1	1219 0035	SAFETY VALVE ASSEMBLY
18	2	0010 0003	RING Ø109,5	68	8	3609 0009	SCREW M10X35
19	1	0437 0076	ROLLER	69	1	3200 0064	PLUG
21	1	0001 0409	THROUGHSHAFT	70	1	1009 0167	FLANGE
23	1	2813 0070	WASHER Ø55	71	16	3609 0009	SCREW M10X35
24	1	0601 0279	SPACER Ø55,3	72	16	2811 0098	WASHER Ø10,5
25	1	0438 0009	BALL BEARING Ø55	73	4	3202 0218	PLUG
26	1	1210 0369	O-RING Ø3,53x117,1	74	8	1210 0385	O-RING Ø2,62x45,69
27	1	1210 0365	O-RING Ø2,62x158,42	75	8	1205 0030	DELIVERY VALVE CAGE
28	1	1210 0359	O-RING Ø3,53x196,4	76	8	1802 0015	SPRING Ø11X17
29	1	1009 0168	FLANGE	77	8	3604 0009	DELIVERY VALVE
30	1	0019 0089	OIL SEAL Ø72	78	8	3009 0014	DELIVERY VALVE SEAT
31	1	3020 0007	INNER SEEGER	79	8	1210 0114	O-RING Ø3,53x36,1
32	8	3609 0009	SCREW M10X35	80	8	1220 0034	DELIVERY VALVE ASS
33	2	2400 0084	PUMP MOUNTING BRACKET	81	32	3609 0057	SCREW M12X65
34	8	3607 0220	HEXAGONAL SCREW M10	82	32	2811 0025	WASHER Ø13
35	1	3200 0019	PLUG	83	4	3218 0099	PUMP MANIFOLD
36	8	3020 0006	INNER SEEGER Ø18	84	4	1210 0047	O-RING Ø2,62x22,22
37	4	3011 0003	GUDGEON PEN Ø18X75	85	4	1210 0145	O-RING Ø2,62x28,25
38	1	0205 0064	CONNECTING ROD ASS.	86	4	3202 0219	PLUG
39	4	2409 0068	PISTON Ø70	87	1	2416 0276	PUMP SHAFT PROTECTION
41	4	0020 0001	COMPRESSION RING Ø70				
42	4	0400 0071	PISTON SLEEVE				
43	4	1800 0012	DIAPHRAGM Ø125				
44	4	2419 0042	STUD BOLT				
45	4	0602 0011	DISC				
46	8	3607 0025	HEXAGONAL SCREW M8				
47	1	3610 0003	AIR VALVE				
48	2	1209 0033	GASKET Ø14				
49	1	0003 0027	PRESSURE ACCUMULATOR				
50	1	1800 0034	DIAPHRAGM				
51	1	0460 0005	DIAPHRAGM SUPPORT CAP				





**COMET VRS DRUKREGELAAR**  
**Nr. 8200085**

POS	SPARE PART N°	N°	CODE (AR)	DESCRIPTION
1		1	2800 0004	ELBOW TAIL
2		1	1200 0005	WINGNUT 30MB
3		1	1210 0002	O-RING Ø2,62x20,7
4		1	2000 0012	NIPPLE M36X2 M30X2
5		1	1210 0033	O-RING Ø3,0x28
6		1	3009 0042	PRESSURE VALVE SEAT
7		1	0424 0072	REGULATION VALVE BODY
8		1	0604 0050	NUT G ¾" X 7
9		1	3609 0047	SCREW M6X14
10		1	3600 0020	PRESSURE VALVE
11		1	1800 0039	REGULATION VALVE DIAPHRAGM
12		1	0424 0077	REGULATION VALVE BODY
13		3	3609 0157	SCREW M8X18
14		1	3021 0011	ELASTIC PIN Ø4x26
15		1	1600 0014	LEVER
16		1	1202 0002	HOOK
17		1	1210 0033	O-RING Ø3,0x28
18		1	0015 0068	REGULATION VALVE ROD
19		1	1802 0085	SPRING (WIRE Ø8) Ø34X18
20		1	0432 0022	SPECIAL CAP
21		1	0208 0002	LEVER
22		1	1802 0010	SPRING (WIRE Ø2) Ø15X28
23		1	3605 0003	WING NUT SCREW
24		1	3021 0011	ELASTIC PIN Ø4x26



**COMPOSITION SUCTION FILTER**

**Nr. 7315469**

POS	PART N°	ARAG N°	N°	DESCRIPTION
1	7315451	316070.010	1	FILTER CASE
2	7315480	316300.060	2	O-RING Ø101,3 x 2,6
3	7315442	316002.030	1	FILTER ELEMENT WHITE 32 MESH
4	7315441	316000.050	1	O-RING 126,4 x 6.99
5	7315439	316000.020	1	COVER
6	7315440	316000.040	1	SWIVEL



**COMPOSITION SUCTION HOSE**

**Nr. 9821005.0**

POS	SPARE PART N°	N°	DESCRIPTION
1	2212935	1	SUCTION HOSE PVC 1 ¼" L= 10000
2	4550935	2	HOSE CLIP 26-38 OS0035 SS
3	7315415	1	STRAINER 25/30mm SS
4	7914725	1	FLOAT
5	3290050	1	S-HOOK nr.50
6	0910104	1	CHaine 4mm Elvz. L=2 links
7	7315094	1	TULLE AT RIGHT ANGLES 1 ¼" x 30
8	7315226	1	SWIVEL 1 ¼"
9	7315874	2	O-RING Ø26,65x2,62



**COMPOSITION SHAFT ARCH 30 CM**

**Nr. 9821007.0**

POS	SPARE PART N°	N°	DESCRIPTION
1	9820199.0	1	SHAFT ARCH 30 CM
2	9820196.0	1	EXTENSION
3	9820023.0	3	GUIDE ROLLER FOR SHAFT ARCH 30CM
4	8257550	6	GUIDE ROLLER Ø75
5	3060638	9	BOLT M10 x 80 Elvz. DIN 931
6	3142100	9	SELF-LOCKING NUT M10 Elvz. DIN 985
7	2212860	1	SUCTION HOSE PVC Ø50 x 65 L=350
8	4550965	4	HOSE CLIP 50 – 65 OS0065 SS





**COMPOSITION SHAFT ARCH 40 - 60 CM**

**Nr. 9821008.0**

POS	SPARE PART N°	N°	DESCRIPTION
1	9820190.0	1	SHAFT ARCH 40 - 60 CM
2	9820196.0	1	EXTENSION
3	9820195	1	STRIP PE 50 x 5 L=760
4	3250740	6	BLIND RIVET Ø5.0 x 20.0
5	8257550	3	GUIDE ROLLER Ø75
6	3060638	3	BOLT M10 x 80 Elvz. DIN 931
7	3142100	3	SELF-LOCKING NUT M10 Elvz. DIN 985
8	2212860	1	SUCTION HOSE PVC Ø50 x 65 L=350
9	4550965	4	HOSE CLIP 50 – 65 OS0065 SS



**COMPOSITION TELESCOPE SYSTEM**

**Nr. 9821006.0**

POS	SPARE PART N°	N°	DESCRIPTION
1	7020168	1	CYLINDER D=25/40 STROKE=750
2	9821024.0	1	PIN TELESCOPE CYLINDER
3	3280030	1	SPRING CLIP 3mm
4	8250581	1	HALF BRACKET 42mm
5	3027636	2	BOLT M12 x 40 Elvz. DIN 933
6	3142120	2	SELF-LOCKING NUT M12 Elvz. DIN 985
7	3027716	2	BOLT M16 x 55 Elvz. DIN 933
8	3142160	4	SELF-LOCKING NUT M16 Elvz. DIN 985
9	9987308.0	2	SCREW COUPLING GE 8 LR TREATED
10	7128509	1	HYDR. HOSE 2STC 6 A35 A35 L=3800
11	7128510	1	HYDR. HOSE 2STC 6 A35 A35 L=4500
12	7320525	2	SCREW COUPLING GE 8 LR 3/8"
13	3360757	2	SET SCREW M8 x 8 Ø0.7mm BORE



**COMPOSITION ELEKTRO-HYDRAULIC REMOTE CONTROL**  
**Nr. 9821010.0**

POS	SPARE PART N°	N°	DESCRIPTION
1	7784550	1	JUNCTION BOX 256
2	7784600	1	JUNCTION BOX 318
3	7779390	2	SWITCH 6-POLE (mono)
4		1	SWITCH 3-POLE (one fixed, one spring-mounted)
5	7714370	7	DIODE
6	7742670	1	CROWN STRIP 6qmm 12P
7	7740220	40	CORE END COVER 1 ½
8	7774180	1	PLUG 7-POLE
9	1960042	1	CABLE 2x2.5qmm L=3500
10	1960036	1	CABLE 12x1.5qmm L=10000
11	1960012	1	CABLE 3x1qmm L=1680
12	1960010	1	CABLE 2x1qmm L=1400
13	7788302	4	ROPE SWIVEL PG 7
14	7788402	4	CAP NUT PG 7
15	7788305	2	ROPE SWIVEL PG9
16	7788405	2	CAP NUT PG9
17	7788311	2	ROPE SWIVEL PG13.5
18	7788411	2	CAP NUT PG13.5
19	7229005	1	SELECTOR BLOCK
19a	7229416	1	BLOCK SINGLE NG6
19b	7229216	1	4/2 VALVE 12V
19c	7229800	4	INTERNAL WRENCHING BOLT M5 x 30
19d	7229110	1	PRESSURE-RELIEF VALVE
19e	7229389	1	PLUG GREY
20	7229008	1	BLOCK TRIPLE
20a	7229406	1	BLOCK TRIPLE
20b	7229305	3	NON-RETURN VALVE
20c	7229205	3	4/3 VALVE 12V
20d	7229820	12	INTERNAL WRENCHING BOLT M5 x 70
20e	7229388	3	PLUG BLACK
20f	7229389	3	PLUG GREY
21	7320578	2	SCREW NIPPLE GE 15 LR
22	7321449	2	SCREW PIECE ROS-A-15 LR
23	9820232.0	1	MOUNTING PLATE
24	7320556	4	SCREW NIPPLE GE 12 LR ½"
25	9987302.0	4	SCREW NIPPLE GE 8 LR 3/8" TREATED
26	3360757	4	SET SCREW M8x8 0,7 mm BORE
27	7320267	4	COUPLING AT RIGHT ANGLES ERW 12 L
28	7320554	2	SCREW COUPLING GE 12 LR
29	7321443	2	SCREW PIECE ROS 12 LR 3/8"
30	7390696	1	THROTTLE VALVE DV 10-07-1.0-P
31	3309560	2	SCREW M5 x 20 Elvz. DIN 84
32	3142050	2	SELF-LOCKING NUT M5 Elvz. DIN 985
33	3027536	4	BOLT M8 x 16 Elvz. DIN 933
34	3726080	4	SPRING RING M8
35	0340138	1	HYDR. PIPE Ø12x1,5 L=150
36	7320062	2	CUTTING RING D 12
37	7321361	2	CAP NUT M 12
38	7320246	1	ADJUSTABLE COUPLING ERL 12 L
33	7320267	1	ADJUSTABLE COUPLING ERT 12 L
40	7321442	1	SCREW PIECE ROS-A-12 L
41	7321438	1	SCREW PIECE ROS-A-10 L



**COMPOSITION INDEPENDENT HYDRAULIC PACK****Nr. 9821011.0**

<b>POS</b>	<b>SPARE PART N°</b>	<b>N°</b>	<b>DESCRIPTION</b>
1	7250620	1	PUMP PLP 20-20 D 082 E2
2	7210240	1	PUMP FLANGE AT RIGHT ANGLES 1GA12
3	7210244	1	PUMP FLANGE AT RIGHT ANGLES 2GA34
4	6540235	1	COUPLING BOX BF2 14T
5	6540620	1	GEARBOX ML32-2-1/3
6	9820235.0	1	HYDRAULIC TANK + SUPPORT
7	9820236.0	1	CLAMPING PLATE
8	7210856	1	RETURN FILTER MPF 1001 P25 (complete)
	7210140		FILTER ELEMENT CR 50/3
9	7210851	1	FILLER CAP TA80FL10B00C80
10	7210853	1	GAUGE GLAS
11	3310670	4	INTERNAL WRENCHING BOLT M8x25 Elvz.DIN912
12	7907358	2	BUFFER Ø50 x 24
13	9820234.0	1	GEARBOX FASTENING PLATE
14	3027544	2	BOLT M8 x 25 Elvz. DIN 933
15	3765080	2	WASHER M8 Elvz. DIN 125A
16	3142100	4	SELF-LOCKING NUT M10 Elvz. DIN 985
17	3765100	4	WASHER M10 Elvz. DIN 125A
18	3027580	2	BOLT M10 x 16 Elvz. DIN 933
19	3726100	2	SPRING RING M10 Elvz. DIN 127B
20	3060694	2	BOLT M12 x 160 Elvz. DIN 931
21	3142120	2	SELF-LOCKING NUT M12 Elvz. DIN 985
22	7934600	3	CAP 60 x 60 x 4
23	7320115	2	SCREWED PLUG DP ½"
24	7320120	1	SCREWED PLUG DP ¾"
25	7320600	3	SCREW COUPLING GE 22 LR
26	7320780	1	REDUCING COUPLING GRV-A-22/12 L
27	7128528	1	HYDR. HOSE 2SN 20 A05 A35 L=1900





**COMPOSITION SIDEARM WITH 4 DRIVEN WHEELS**

**Nr. 9821014.0**

<b>POS</b>	<b>SPARE PART N°</b>	<b>N°</b>	<b>DESCRIPTION</b>
1	9820109.0	1	SIDEARM
2	9820134.0	1	CLAMPING SCREW GUIDE ARM
3	9820238.0	1	PRESSURE ROLL LEVER HEBEBAUM
4	9015028.0	1	BOLT
5	9820239.0	1	PIVOTING PART PRESSURE ROLL
6	9820241.0	2	ROLL
7	9820142.0	1	SET BOLT PRESSURE ROLL
8	9820150.0	1	COMPRESSION SPRING PRESSURE ROLL
9	9820014.0	1	DRIVE WHEEL MOTOR SIDE Ø200
10	9820011.0	1	SPROCKET WHEEL MOTOR SIDE HOLE Ø35
11	9820013.0	3	DRIVE WHEEL Ø200 + BEARING
12	9820012.0	3	SPROCKET WHEEL DRIVEN
13	9820157.0	1	SHAFT DRIVEN WHEEL
14	9820240.0	1	PROTECTION CAP CHAINE
15	9820152.0	1	SUPPORT METRE COUNTER
16	8200156	1	METRE COUNTER
17	8200152	1	SMALL WHEEL FOR METRE COUNTER
18	4830140	1	DRAW SPRING d=1 D=10 Lbo=60 RVS
19	8257549	2	GUIDE ROLLER SMALL Ø50
20	8257550	1	GUIDE ROLLER BIG Ø75
21	7240755	1	HYDRAULIC MOTOR T-SERIE 157cc
22	6100280	1	ROLLER CHAIN ½" x 5/16" 64 ROLLS
23	6180080	1	CLOSING LINK ½"
24	7934590	1	CAP 60 x 20 x 2
25	7934595	1	CAP 60 x 40 x 4
26	7934600	1	CAP 60 x 60 x 4
27	7934259	2	CAP Ø19 x 1,5
28	4110089	2	GREASE NIPPEL M8
29	3230390	3	SPLIT PIN Ø5 x 40 Elvz. DIN 94
30	3309480	2	BOLT M4 x 16 Elvz. DIN 933
31	3142040	2	SELF-LOCKING NUT M4 Elvz. DIN 985
32	3027540	2	BOLT M8 x 20 Elvz. DIN 933
33	3750282	1	WASHER M8 Elvz. DIN 9021
34	3027590	1	BOLT M10 x 35 Elvz. DIN 933
35	3060638	1	BOLT M10 x 80 Elvz. DIN 931
36	3142100	3	SELF-LOCKING NUT M10 Elvz. DIN 985
37	3765100	2	WASHER M10 Elvz. DIN 125A
38	3027636	2	BOLT M12 x 40 Elvz. DIN 933
39	3142120	9	SELF-LOCKING NUT M12 Elvz. DIN 985
40	3142200	3	SELF-LOCKING NUT M20 Elvz. DIN 985
41	3765200	4	WASHER M20 Elvz. DIN 125A
42	7975145	1	STICKER SIEGER-HD
43	7975135	1	STICKER QUETSCHGEFAHR
44	6240404	2	SPROCKET WHEEL ½" z=18
45	3060768	2	BOLT M16 x 120 Elvz. DIN 931
46	3142160	2	SELF-LOCKING NUT M16 Elvz. DIN 985
47	3765160	8	WASHER M16 Elvz. DIN 125A



