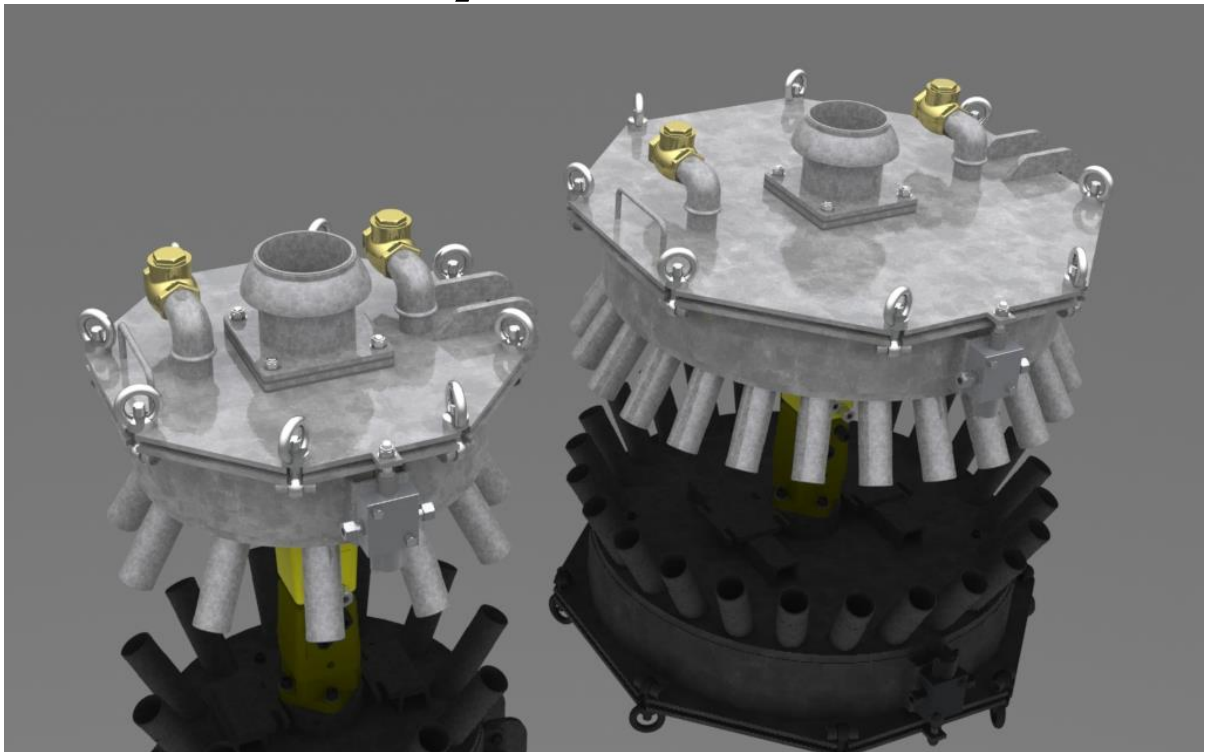


Manuel Slurry distributor



Slootsmid Mesttechniek B.V.

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1. Introduction

You are the owner of a Slootsmid slurry distributor, which is produced for the modern farmer and contractor. We are convinced that with this machine you will have years of pleasant work.

Before you start up the slurry distributor we strongly advise you to carefully read this manual. We cannot give any guarantee on control faults or inexperienced use.

Slootsmid continuously develops the machines we produce. Therefore we are authorized to change the machines without any obligations to previously produced and sold machines.

All drawings, photos, measurements and weights in this manual can be changed without preface information. All information is as accurate as possible but never binding.

2. Guarantee

We give six month full guarantee on good operation of the machine. Provided that maintenance and usage has been done according to this manual!

The guarantee includes the faults who will find their assignable cause in material and production faults and limits to free supply of spare parts on the judgment of Slootsmid.

The possibility to claim for guarantee expires six months after the date of delivery. Also inexperienced use, no or not enough maintenance, wrong recovery and changes expire the possibility to claim for guarantee. Claiming for guarantee can be done by filling out the guarantee form.

When you want to order spare parts always inform Slootsmid that it is for the crossbar slurry distributor or the eccentric slurry distributor and inform the number of running-outs.

3. EU declaration of conformity for machinery

(Regulation 2006/42/EC)

Manufacturer: Slootsmid Mesttechniek B.V.
Address: Korenbree 40a, 7471 LH Borculo
The Netherlands

Herewith declares that,

De SLOOTSMID SLURRY DISTRIBUTOR:

Type	:crossbar / eccentric
Serialnumber/number of running outs	:.....
Year of construction	:.....
Date of delivery	:.....

Meets the conditions of the regulation for machinery (Regulation 2006/42/EC, last changed); EN 12100-2010.

Borculo (The Netherlands),

Slootsmid B.V.

4. Safety measurements

1. The on the machine attached stickers inform a safe use and important instructions. Working according these instructions is very important, it is for your own safety! Damaged stickers need to be replaced.

2. Only use the machine with complete, undamaged and functional protection. The protection prevents the access to danger zones. Keep the protection is good condition!

3. Every time the rotor protection (image 1) should be assembled, connected and tuned.

4. Make sure that nobody is on, under or next to the machine when:

- A. The machine is started up
- B. The machines is used
- C. The machine is not stopped but is standing still.

5. The machine can only be operated by one single person.



Image 1: rotor protection

6. When working on the machine or repairing make sure the engine from the tractor is off and the keys are out. Also make sure that the hydraulic lines are free from pressure!

7. When opening the cover make sure that there is no manure under pressure and the hydraulic lines are free from pressure. Check the valves of the elements from the injector they have to be open.

8. Watch out for your fingers when working inside the distributor!

9. Damaged hydraulic lines need to be replaced immediately.

10. It's not allowed to tune the overpressure valves. Always ask your supplier!

11. Make sure that nobody is on, under or next to the machine when the machine is in use.

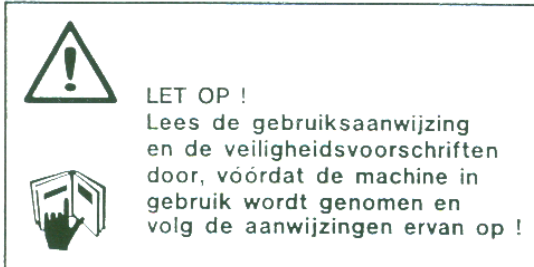
12. Do not stand on the machine during working with the machine.

13. Check at the delivery of the slurry distributor:

- if the slurry distributor is not damaged
- if the slurry distributor is complete
- if the manual is present
- if the warning stickers are on the machine

5. Safety stickers

The on the machine attached stickers inform a safe use and important instructions. Working according these instructions is very important; it is for your own safety! Damaged stickers need to be replaced.



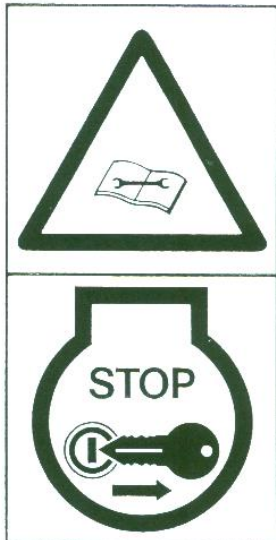
Gebruiksaanwijzing zorgvuldig lezen!

*Read the manual carefully before
working with the machine!*



Attentie bij werkzaamheden aan de snijrotor!

Attention when working on the distributor!



Bij werk aan de machine
de trekker stopzetten!

When working on the machine turn the engine from the tractor off!

6. Technical data

Crossbar distributor:

Number of running outs	: 11 t/m 21 (type: small) 25 t/m 54 (type: large)
Length	: Small: 615 mm. Large: 895mm
Width	: Small: 625 mm. Large: 910mm
Height	: 550 mm. (incl. Kardanclutch and hydromotor)
Connections	: 4" of 5" KKV, met square flange
Weight	: Small: 115 kg. Large: 190kg.
Capacity	: 11 t/m 54 uitlopen (ø51mm)
Necessary hydraulics	: Max. 50 litre minutely. Max. 180 BAR

Eccentric distributor:

Number of running outs	: 11 t/m 21 (type: small) 25 t/m 54 (type: large)
Length	: Small: 615 mm. Large: 895mm
Width	: Small: 625 mm. Large: 910mm
Height	: 595 mm. (incl. Kardanclutch and hydromotor)
Connections	: 4" of 5" KKV, with square flange 1x leak connection (ø51mm)
Weight	: Small: 105 kg. Large: 185kg.
Capacity	: 11 t/m 54 running outs (ø51mm)
Necessary hydraulics	: Max. 50 litre minutely. Max. 180 BAR

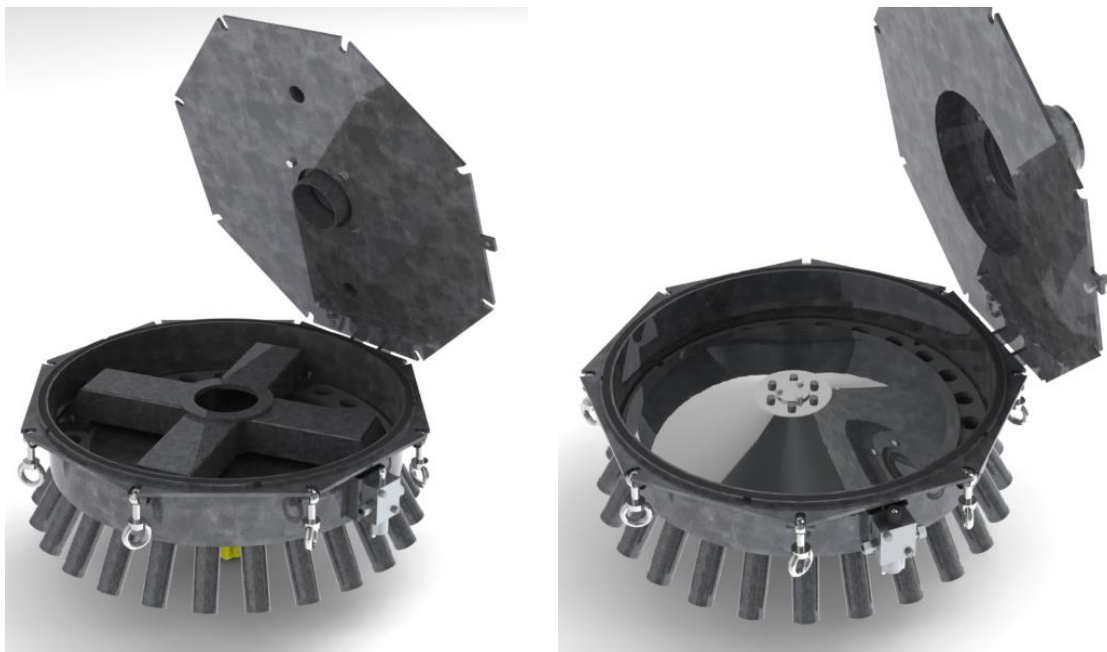


Image 2: Crossbar- and eccentric distributor

7. Application

The Sootsmid slurry distributors are designed for optimal distribution for Sootsmid injectors. Because of the very good cutting technology is a minimal change on clogging.

8. Handling

Normally the Sootsmid slurry distributors are attached to a injector. Be advised that a highly placed distributor, distributes better. The hoses for the manure need to be placed as economic as possible.

9. Assembly on the injector

Assemble the slurry distributor on a solid support, see image 3. Use 8 bolts M10 (4 bolt for a small slurry distributor), combined with wolid washer and lock nuts. Related to vibration is the fastener on the injector very important.

Connect the hydraulic connections:

The distributor is connected to a single function working with pressure-free return. By connecting is the hydraulic motor direction not important.

Make sure: the rotor security is connected.

Stroke volume of the hydraulic motor is chosen such that the optimum speed is reached at an oil flow of about 40 l / min. Make sure with the diameters of the hydraulic hoses; we recommend a minimum diameter of $\frac{1}{2}$ ". You connect (when possible) the oil leakage line to the non-pressure return line.(minimum $\frac{1}{4}$ " connecting). Make sure that the correct size nipples are used, and preferably no or minimal as possible make use of short clutches. *Make sure that there will never be any pressure on the leakage line!*

The guarantee expire when you don't connect the leak oil line,

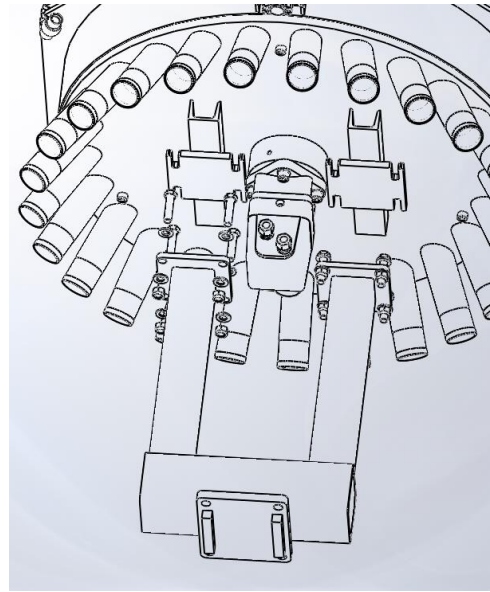


Image 3: assembly slurry distributor

Connect the slurry hoses

Depending on the maximum slurry can be chosen for a 4 ", 5" or 6 "supply hose between the tank and pump, and distributor. The hose is connected by means of the kardan clutch on the distributor. If you prefer a different connector is the shaft clutch easy to remove and The desired link can be flanged to the distributor. Make sure that you assemble a packing.

De slurry hoses to the injector elements should be an inside diameter of $\varnothing 51\text{mm}$ and will be connect by means of a hose clamp. Connected on site from the recess of the outlet pipe.

Connecting any air hose

The air pipe can be assembled on the eccentric slurry distributor too (at the bottom from the slurry distributor). The pipe should be closed during fertilizing, because the slurry distributor loses its force!

10. Starting up

Before you start up the distributor check if the connecting bolts are screwed on appropriate. Also check if the hydraulic lines are connected in the right way.

After this start up the distributor. In the distributor you can hear a gentle rubbing noise. This finds its cause in the cross bar or the cutting plate that runs over the wearing ring. When the noise is hard and sharp stop immediately (See chapter 11). Make sure that there is enough supply of manure. The distribution stays optimal when there is enough supply of manure.

11. Disassembly, assembly and tuning

All Slootsmid distributors are fully adjusted when delivered. When during connection of starting up the distributor does not work correct it can be adjusted. When there are any problems do not hesitate to contact Slootsmid!

When opening the distributor pay attention!

- Before you start disassembling or assembling always stop the engine of the tractor and take out the keys. Release the pressure of the hydraulic lines and release the pressure of the manure. Therefore the closing system of the element need to be opened (hydraulically or putting the injector in working position).

Now you can open the distributor. Check if the cutting plates are standing still!

Make sure that when assembling every part fits correct and without margin. Parts that not fit easily need to be cleaned and lubricated before assembly.

Assembly and tuning pre tension crossbar slurry distributor (see image 4):

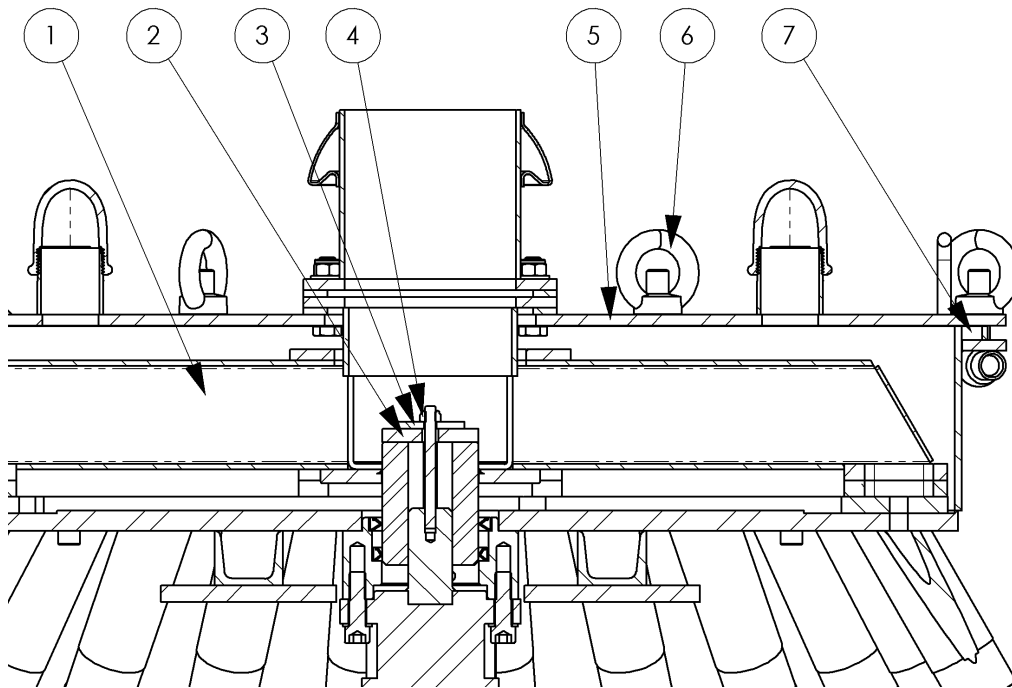


Image 4: tuning the crossbar slurry distributor.

1. Glide the rotor (1) over the axle of the hydromotor.
2. Assemble the rubber to span disk (2), pressure disk (3), and adjustment nut (4), see image.
3. Switch the adjustment nut on (4), so the span disk (2) 1,5mm is pressed. The preload is good.
4. Close de cover (5).
5. Put the cover with de nuts (6). Don't forget to place the packing ring (7) in the appropriate side.
6. Set the bolt of the rotor safety valve, so the stud of this valve is pushed in at a tightened cover.

Disassembly takes place in the reverse order.

Frequently check the pre-stressing of the crossbar, and the corrosion of the wear rings and cutting plates (Especially on flatness). The wearing ring and cutting plates can be flattened (the cannot be turned around!). Replace the cutting plates and wearing ring timely, so prevent wear on the distributor.

Replace the wearing ring and cutting plates at the same time.

Assembly and tuning pre tension eccentric slurry distributor (image 5):

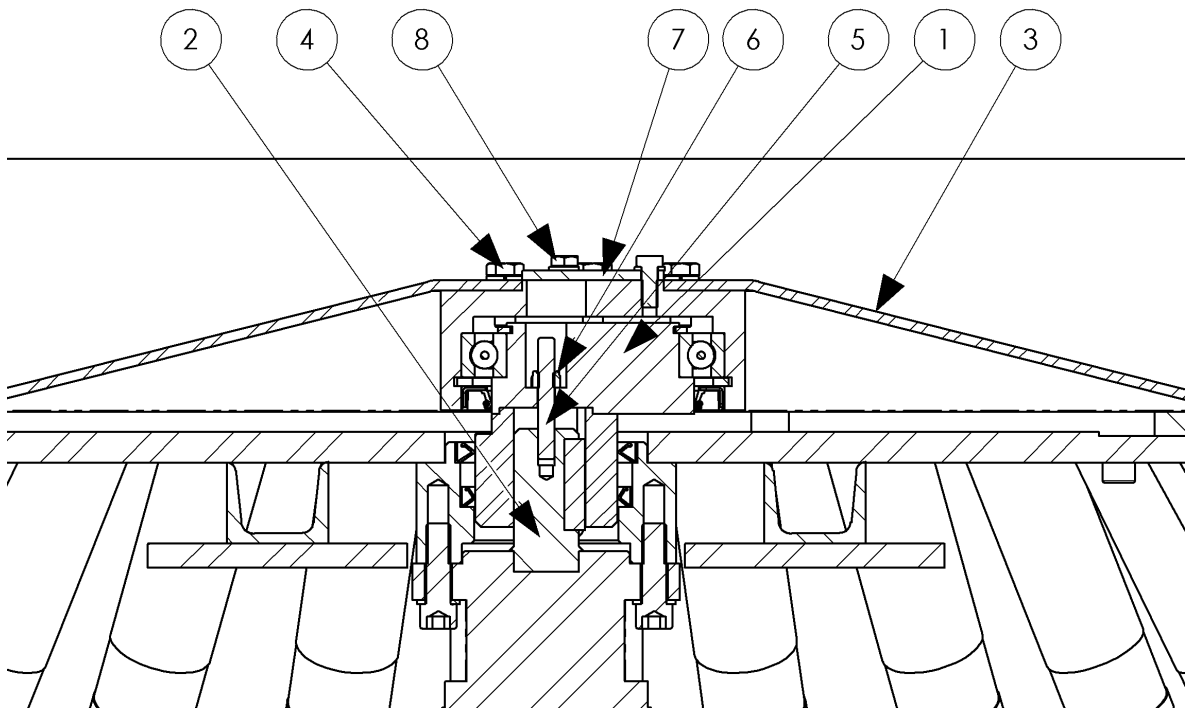


Image 5: Adjusting the eccentric slurry distributor.

1. Glide eccentric (1) over the axle of the hydromotor (2).
2. Assemble the cutting plate (3) to the eccentric with 6 bolts (4) M10
3. Switch the cutting plate (3), so you can see the setscrew (5) and - bolt(6).
4. Switch the tension nut on (6) , so the cutting plates is free from backlash to the cutting ring (3)
5. Switch the tension nut (6) a ½ turn more, so the cutting plates are under tension. This is the good tension.
6. Assembly the cover for eccentric (7) (with kit) on the hub with 3 bolts M8 (8).
7. Close the distributor cover with de nuts. Don't forget to place the packing ring in appropriate side..
8. Set the bolt of the rotor safety valve, so the stud of this valve is pushed in at a tightened cover.

Disassembly takes place in the reverse order.

Frequently check the pre-stressing of the crossbar, and the corrosion of the wear rings and cutting plates (Especially on flatness). The wearing ring and cutting plates can be flattened (the cannot be turned around!). Replace the cutting plates and wearing ring timely, so prevent wear on the distributor.

Replace the wearing ring and cutting plates at the same time.

12. Maintenance

Frequently using the machine:

- Clean the distributor every day
- Grease the hub every day (image 6).

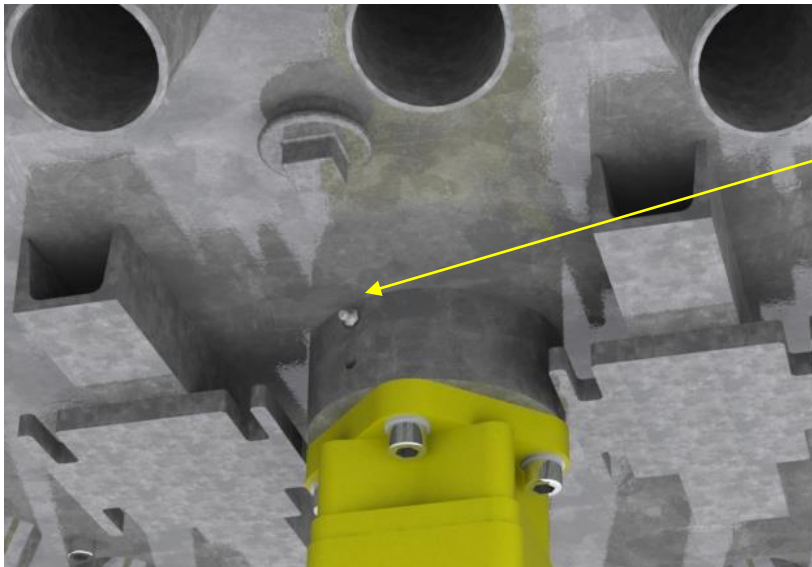


Image 6: Grease the grease nipple every day!

When storing the machine:

The eccentric need to glide free on the axle of the hydromotor, keep it clean and greased!

- Clean the distributor on the inside, remove waste. Grease the inside of the distributor.
- All grease nipples need to be greased.
- Damaged hydraulic Lines need to be replaced.
- Exchange the seal rings every year. (pay attention to the assembly direction, see image 7 on the next page)

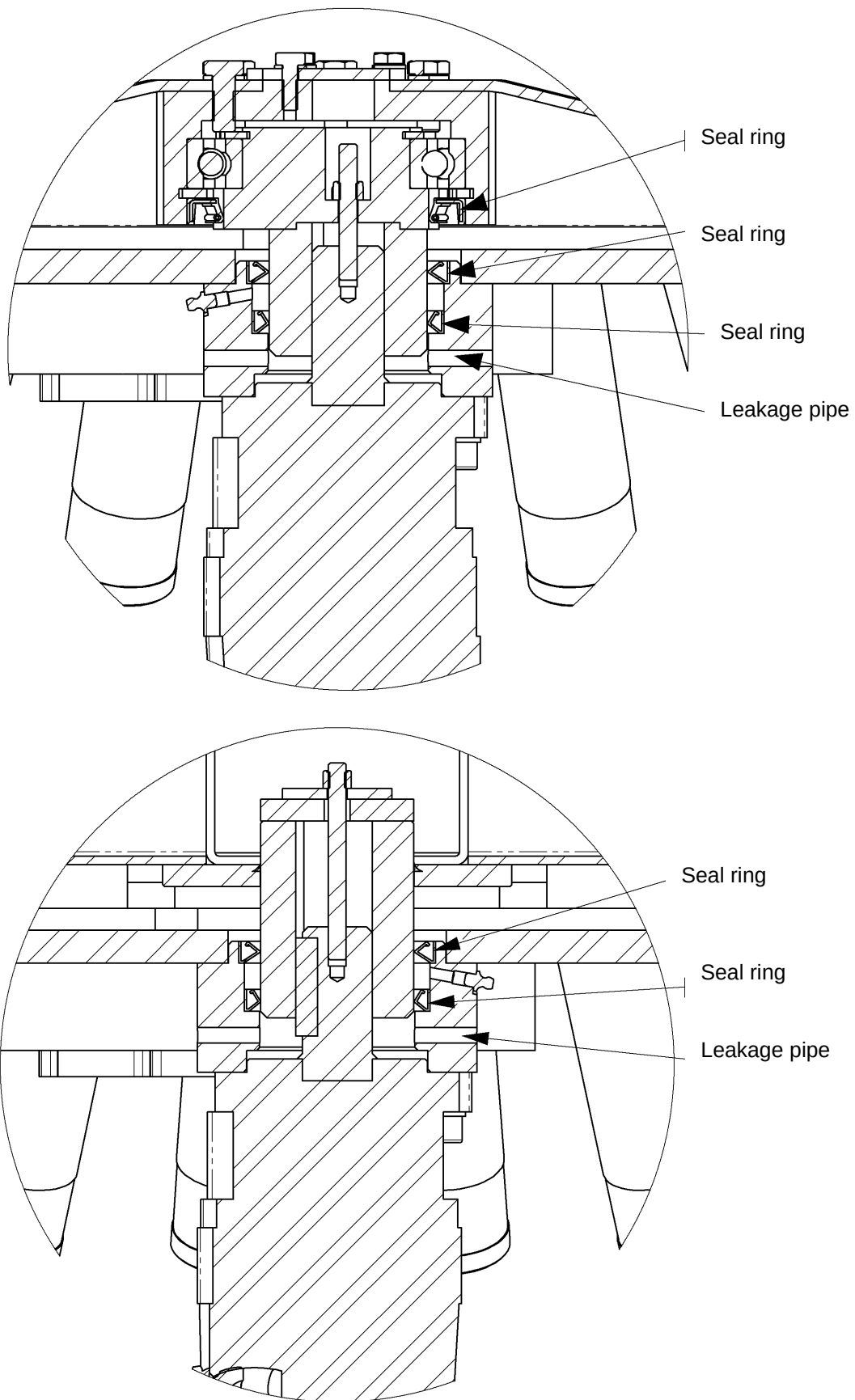


Image 7: Mounting direction seal ring: Above: eccentric slurry distributor. Under: crossbar slurry distributor.

13. Failure

Machine distributes irregular of not at all:

- A)** Distributor is clogged.
Solution: clean the distributor (watch out for your fingers!), check hydraulic lines and connections.
- B)** The manure hoses are clogged.
Solution: clean the hoses, check the tuning of the cutting plates
- C)** Hard rubbing noise.
Solution: Clean en tune the distributor (See Chapter 11).
- D)** Irregular distribution
Solution: clean the hoses and distributor, check the air hoses at the: crossbar slurry distributor: clean the air valves at the distributor. Eccentric slurry distributor: clean/ replace the air hose at the bottom from the distributor.
- E)** Oil leaks out of the oil leaking pipes (image 7)
Solution: exchange the sealing of the hydromotor
- F)** Manure leaks out of the oil leaking pipes
Solution: exchange the sealing rings of the hub.
- G)** Distributor running irregular .
Solution: disassembly the cutting ring; remove the roost between the cutting ring and the bottom from the distributor; assembly the cutting ring.

- Always use original Slootsmid spare parts when repairing the distributor. The spare parts are available through your Slootsmid dealer.

- When ordering spare parts also inform the machine type (eccentric slurry distributor or crossbar slurry distributor) including the amount of running outs.

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