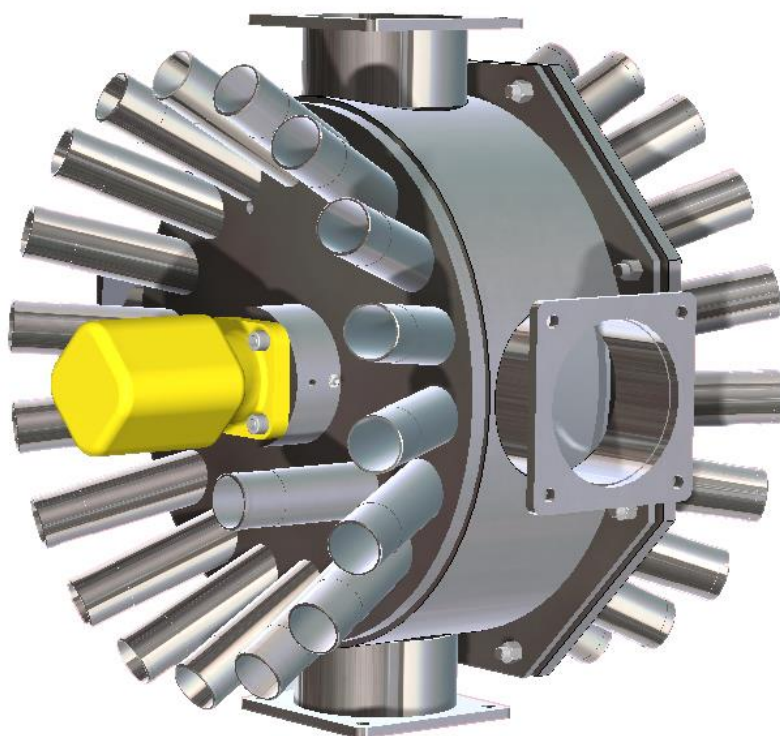


Manual Slootsmid Duo-Distributor



Slootsmid

Slootsmid Mesttechniek B.V.

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Version: 20161026-01EN

Manuel with spare parts list enclosed.

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1 Introduction

You are the owner of a Slootsmid duo-distributor, which is produced for the modern farmer and contractor. We are convinced that with this distributor, when normal used and with the right maintenance, you will have years of pleasant working.

Before you start working with this distributor we strongly advise you to read this manual! Slootsmid cannot give any guarantee on operation failure or inexpert use.

Slootsmid develops her products every time. Therefore Slootsmid preserves the right to make changes to new models of the distributor without any consequences to former delivered distributors.

Pictures and drawings are as accurate as possible. Through development these are never binding.

2 Guarantee

Slootsmid guarantees after delivery date six month of full guarantee. Prohibited that maintenance and use are in accordance with the prescriptions in this manual.

The guarantee contains these failures, that find their cause in material or construction failure. The guarantee restricts to delivery of spare parts at no costs. This only on judgment of Slootsmid B.V.

The claim for guarantee expires after six months from delivery date. Also use not according this manual, insufficient maintenance and incorrect performed repairs and changes to the machine decline the claim for guarantee.

To claim guarantee fill out the complete guarantee form which will be send to you on request.

Then ordering spare parts always inform that your machine is a duo-distributor and inform the amount of outlets!

3 EU Declaration of conformity for machinery

(Guideline 89/302/EEG)

Manufacturer: Slootsmid B.V.

Address: Korenbree 40-A, NL-7271 LH BORCULO (Gld.)

Herewith declares that:

The Slootsmid Duo-distributor:

Serial number: _____

Year of production: _____

Delivery date: _____

Meets the regulations of the machinery guideline (guideline 89/392/EEG, as changed lately);
EN 292-1 and EN 292-2

Borculo (Gld.) the Netherlands

Date: _____

Signature: _____

M. Schaepman
Director Slootsmid B.V.

4 Safety instructions

1. The on or at the machine attached stickers give instructions for a safe use. Working according to these instructions is very important for your own safety. Damaged stickers need to be replaced immediately!
2. Do not work with the machine when protection is incomplete or not functional! The protections prevent access to unsafe areas. Keep the protections in good state for your own safety and the safety of others.
3. Make sure that nobody is on, under or at the machine or next to the machine when:
 - a. The machine is put into working mode
 - b. You work with the machine
 - c. The machine stands still but is still in working mode
4. The machine can only be operated by one person!
5. Stop the driving engine, pull out the ignition key and release the oil pressure of the hydraulic lines when you want to work at the machine.
6. Make sure that no pressure from the manure is present, open the closing-system of the elements and release the oil pressure of the hydraulic lines when you want to open the lid of the distributor.
7. Pay great attention to your fingers when working inside the distributor!
8. Damaged hydraulic lines need to be replaced immediately!
9. It is not allowed to make any changes to the hydraulic safety-valves!
10. Do not stand on the machine when working with the machine!
11. Check the following points when the distributor is delivered at your sight:
 - a. Make sure the distributor is not damaged
 - b. Make sure the distributor is complete
 - c. Make sure the manual is present
 - d. Make sure the stickers for safety-instructions are present

5 Safety stickers

The on or at the machine attached stickers give instructions for a safe use. Working according these instructions is very important for your own safety. Damaged stickers need to be replaced immediately!

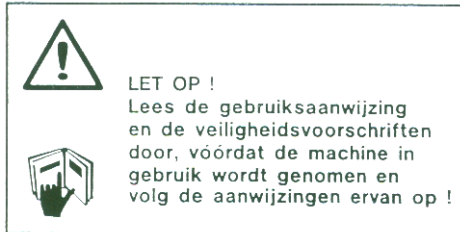


Image 1

Pay attention! Read the manual and safety instructions before you start working with the machine!



Image 2

Attention! When working inside the distributor.

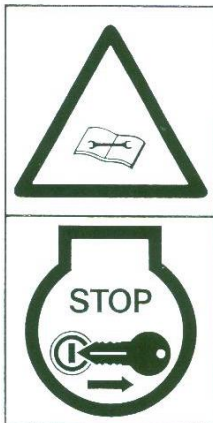


Image 3

Attention! Stop the driving engine before working on the machine!

6 Technical data

Duo-distributor

Type / amount of outlets:	32 till 60
Length:	640 mm.
Width:	520 mm. (excl. hydromotor)
Width:	630 mm. (incl. hydromotor)
Connection:	4 x 6" square flange (2 x aeration)
Weight:	140 Kg.
Capacity:	32 till 60 outlets (Diameter 51 mm)
Necessary pressure:	Max. 50 Liters per minute

7 Suitable

The Slootsmid duo-distributor is manufactured to realize a optimal distribution for injectors on grassland and arable land with large working-widths. The distributor reduces constipation through the perfect cutting inside the distributor.

8 Application

The Slootsmid distributors are normally attached to a Injector. Take into account that when the distributor is high assembled it has a better flow of the manure.

Also take into account that the hoses should make a clear fluent descending line from the distributor to the elements.

9 Assembly on a injector

Assemble the distributor on a injector as show at image 4.

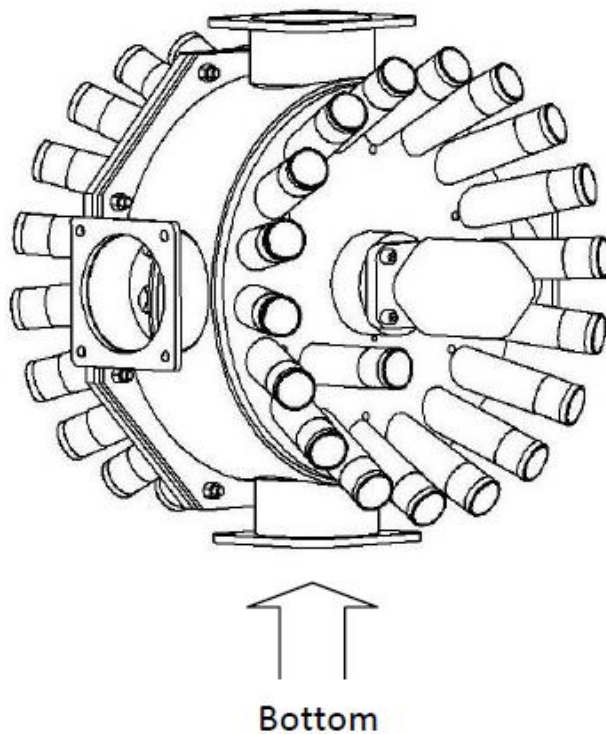


Image 4

When this is not possible take the following instruction in account:

- Assemble the distributor for a good manure-flow always vertical (upright).
- Assemble the aeration hoses underneath in the middle of the distributor. This makes sure no manure can reach the connection of the hydromotor.
- Connect the oil leakage connection of the hydromotor to the pressure-less return-line. Make sure that there never will be any pressure in the leakage connection.

The supply of manure is possible through each 6" connection. One connection needs to be used for the assembly on a injector. The other connections need to be closed with a blind plate with sealing.

We advise to assembly the distributor according image 5. The distributor is assembled with the lowest connections. Under this connection the lockable stone-catcher is assembled. You need to empty the stone catcher regularly. Through the stone-catcher the change for damage or constipation of the distributor is very low.



Image 5

The hoses from distributor to elements need to have a 51 mm. diameter. The hoses need to be connected with a hose-clip. The clip needs to be placed where the cutaway is situated on the outlet.

To the two aeration-outlets (1 left and 1 right) the same hose (diameter) can be connected. These outlets may never be blocked during working with the machine. The distributor loses it's working capacity when the outlets are blocked.

The two hoses connected to the aeration outlets can be led to the folding-arms of the injector. This makes sure that the outlets are upwards during transport of the injector so leakage is prevented.

The distributor need to be connected to a single working function with pressure less return. When connecting the hydromotor the turn direction of the hydromotor is not important.

A automatic turnsystem on the distributor to prevent the chance of constipation is not a problem.

The displacement of the hydromotor is set for a optimal turn speed and a manure flow of 40 liters per minute. Take the diameter of the hydraulic lines in account. Slootsmid advices minimal ½".

Slootsmid strongly recommends to connect a separate hydraulic leakage line to the pressure less return line (minimal ¼" connection). Pay attention to the right nipple size and use minimum amount of connections.

When no hydraulic leakage line is connected the guarantee expires!

10 Start up

Check all connection bolts to make sure they are well tighten.

Check all the hydraulic lines to make sure that they are well connected.

Turn on the hydraulic power supply.

You can hear a soft rubbing noise from the distributor. This is caused by the disks who run over the wear rings.

Stop the hydraulic power supply when a loud noise occurs. See for solution chapter 11.

Make sure that during working with the machine the supply of manure is sufficient, so the distributions stays optimal.

11 Assembly, disassembly and adjustment

All machines manufactured by Sloodtsmid are fully adjusted when delivered. It is possible that during assembly of adjustment abnormality occurs. This can be reset. When problems occur do not hesitate to contact Sloodtsmid.

When opening the lid of the distributor pay attention to:

- Stop the driving engine.
- Take the ignition key out.
- Release the pressure of the hydraulic lines
- Release the pressure of the manure
- Open the closing-rod of the elements
 - o With the hydraulics
 - o Or by putting the machine in working mode
- The lid can be opened
- Make sure the cutting plates or standing still

When assembling parts make sure every parts can be assembled easy. Parts that cannot be easily attached need to be cleaned and greased.

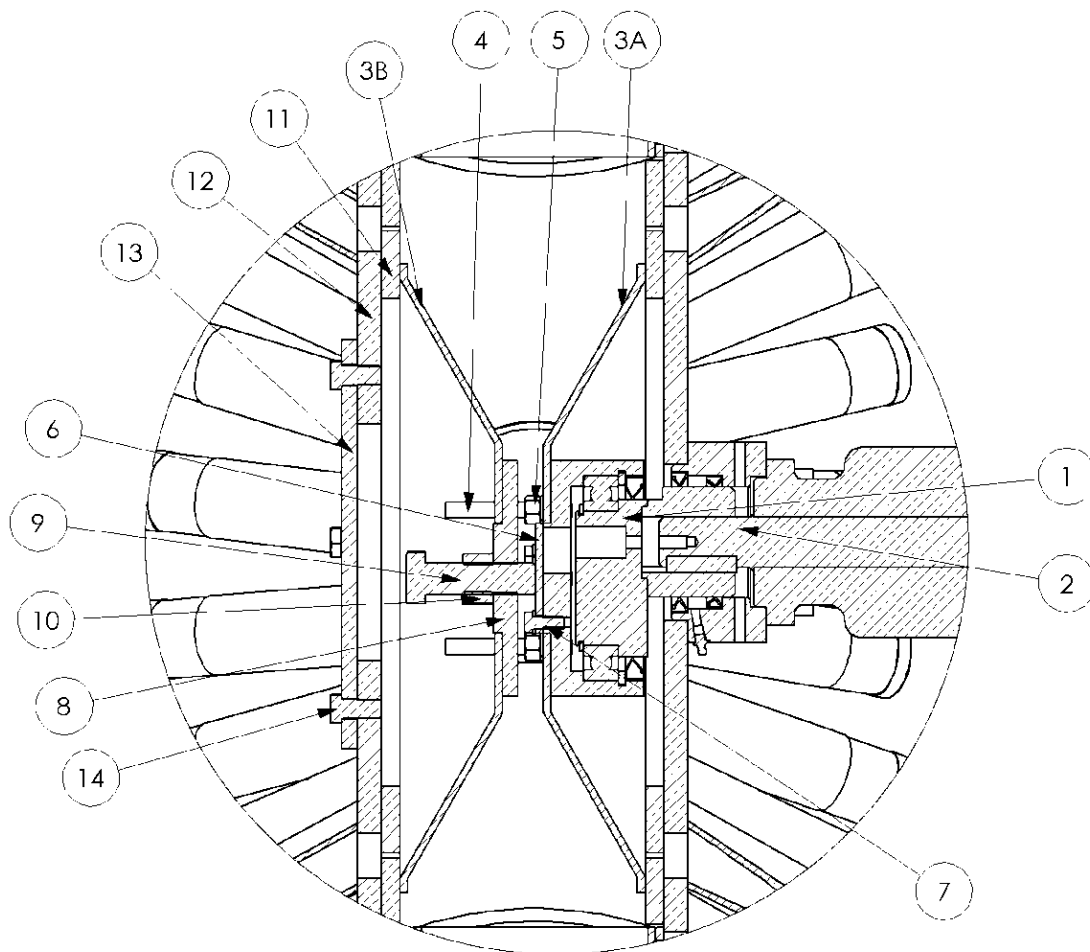


Image 6: adjusting the duo-distributor

Assembly and adjustment pretension (image 6):

1. Shove eccentric (1) over the axle of the hydromotor(2)
2. Assemble the cutting plate (3A) on the eccentric with 6 bolts (4) and nuts (5)
3. Assemble the cover (6) with sealant on the eccentric with 3 bolts M8 (7)
4. Tighten bolt (9) and locknut (10) on the plate (8). Then shove the plate over the penbolts (4)
5. Shove the cutting plate (3B) over the penbolts (4)
6. Assemble the lid with outlets (12) to the distributor. Do not forget the wear ring (11). The wear ring needs to be attached to the lid with the matching allen-screws. Also the sealingring has to be assembled to the installed ditch.
Pay attention! When assembling the lid on the aeration pipes of the distributor house. Make sure the cover and the lid of the aeration pipes are in a straight line.
7. Tighten bolt (9) so the cutting plates (3A and 3B) match without margin.
8. Tighten bolt (9) ½ stroke further, the cutting plates will receive pretension.
9. Tighten bolt (9) with locknut (10)
10. Assemble a the blind flange (13) on the lid with bolts (14)

12 Maintenance

When the machine is used regular:

- Clean the distributor every day
- Grease the hub every day (see image 7)

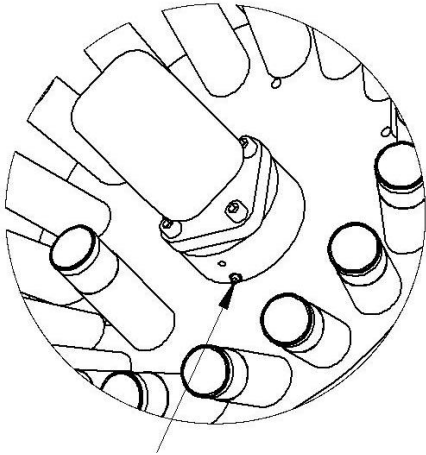


Image 7

Grease nipple grease every day.

When the machine is stored in the garage:

Pay attention! The eccentric hub has to shove free over the axle of the hydromotor. Keep the hub clean and greased.

- Clean the inside of the distributor. Take out waste. Grease the inside of the distributor.
- Grease all grease nipples.
- Replace damaged hydraulic lines
- Replace seal rings every year (assembly according image 8)

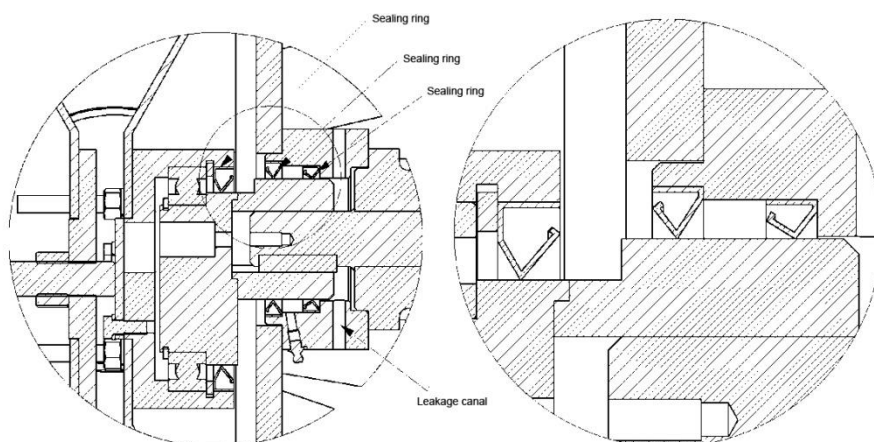


Image 8

13 Failure

Problem: The distributor distributes irregular or not at all because the distributor is stuck

Solution: Clean the inside of the distributor (pay attention to safety instructions) and check the hydraulic connections.

Problem: The hoses from the distributor to the elements are stuck

Solution: Clean the hoses and check the adjustment of the cutting plates

Problem: Loud sharp noise from the distributor

Solution: Clean the inside of the distributor and readjust the distributor according chapter 11.

Problem: Irregular distribution

Solution: Clean the hoses and the distributor, check the aeration outlets

Problem: Oil is leaking from the leaking canal (see image 8)

Solution: Exchange the sealing of the hydromotor

Problem: Manure is leaking from the leaking canal (see image 8)

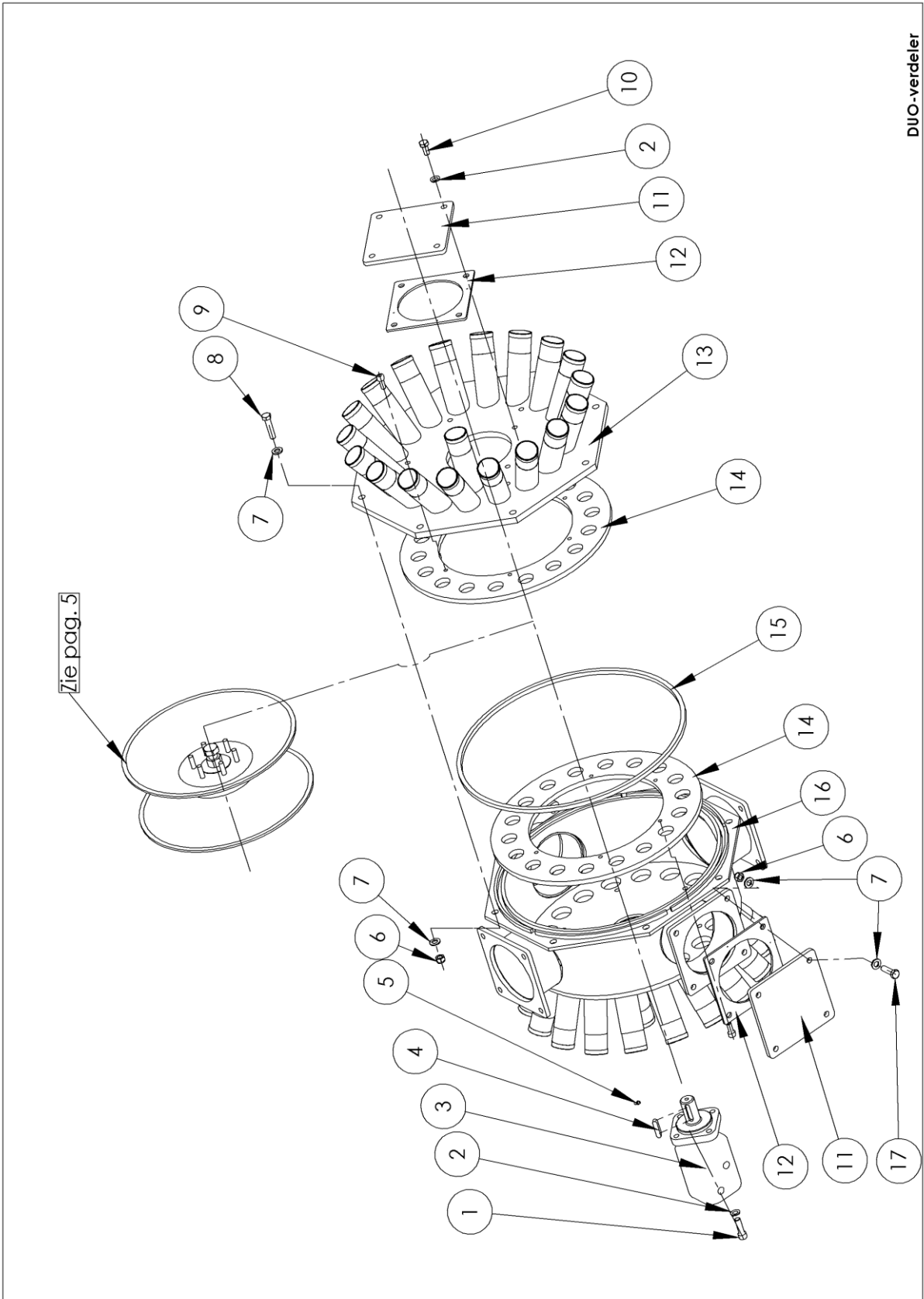
Solution: Exchange the seal rings in the hub.

Always use original spare parts from Sloomid. The spare parts are available at your local Sloomid dealer or directly at the Sloomid production facility in the Netherlands.

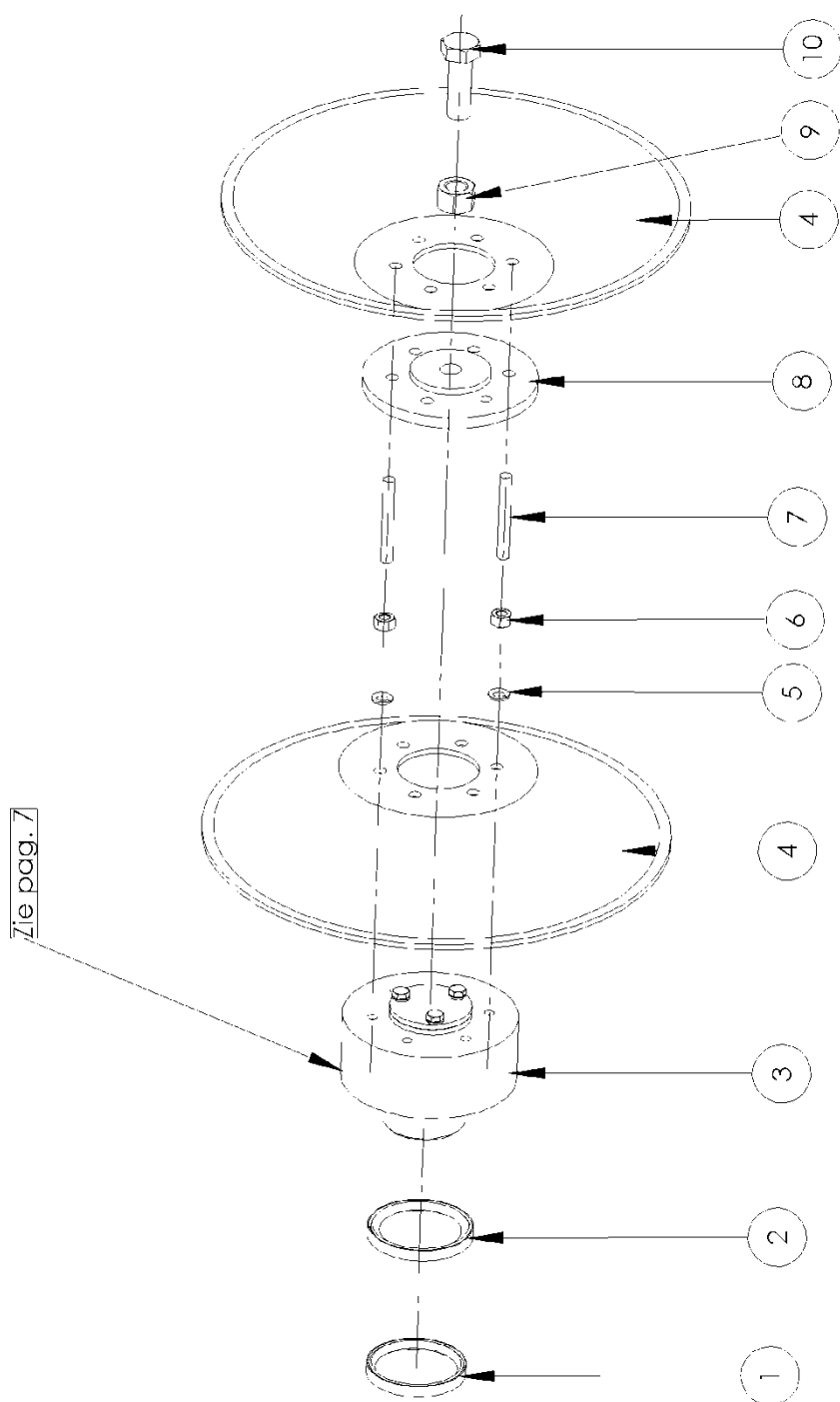
When ordering spare parts always inform the type of your machine, including the amount of outlets.

14 Enclosure (drawings and parts list)

No.	Amount	Part number	Description	Comment
1	4	KR 9121240	Socket head bolt M12x40	
2	8	KR127B12	Spring clip M12	
3	1	SLO 500226	Hydromotor axle Ø 32	
3a	1	SLO 500228	Axle for hydromotor axle Ø 32	No. not on drawing
3b	1	SLO 500223	Sealing kit for hydromotor axle Ø 32	No. not on drawing
4	1	SLO 500291	Sunk key 8x10x45	
5	1	KR GN61180	Grease nipple straight M6	
6	16	KR 98512	Secure nut M12	
7	32	KR 125A12	Washer M12	
8	8	KR 9311255	Bolt M12x55	
9	12	KR 9121025	Socket head bolt M10x25	
10	4	KR 9331225	Bolt M12x25	
11	3	KR 6309900Z	Blanking plate 6"	
12	3	KR 6309800Z	Sealing for blanking plate 6"	
13*	1* 1* 1* 1* 1* 1* 1* 1*	SLO 200916D SLO 200917D SLO 200918D SLO 200920D SLO 200921D SLO 200925D SLO 200926D SLO 200930D	Cover for distributor with 16 outlets Cover for distributor with 17 outlets Cover for distributor with 18 outlets Cover for distributor with 20 outlets Cover for distributor with 21 outlets Cover for distributor with 25 outlets Cover for distributor with 26 outlets Cover for distributor with 30 outlets	For 32 pipe distributor For 34 pipe distributor For 36 pipe distributor For 40 pipe distributor For 42 pipe distributor For 50 pipe distributor For 52 pipe distributor For 60 pipe distributor
14*	2* 2* 2* 2* 2* 2* 2* 2*	SLO 200916S SLO 200917S SLO 200918S SLO 200920S SLO 200921S SLO 200925S SLO 200926S SLO 200930S	Cutting plate for distributor with 16 outlets Cutting plate for distributor with 17 outlets Cutting plate for distributor with 18 outlets Cutting plate for distributor with 20 outlets Cutting plate for distributor with 21 outlets Cutting plate for distributor with 25 outlets Cutting plate for distributor with 26 outlets Cutting plate for distributor with 30 outlets	For 32 pipe distributor For 34 pipe distributor For 36 pipe distributor For 40 pipe distributor For 42 pipe distributor For 50 pipe distributor For 52 pipe distributor For 60 pipe distributor
15	1	SLO 200509K	Sponge rubber 15x15 for distributor Ø 500	
16*	1* 1* 1* 1* 1* 1* 1* 1*	SLO 200916H SLO 200917H SLO 200918H SLO 200920H SLO 200921H SLO 200925H SLO 200926H SLO 200930H	Distributor house for distributor with 16 outlets Distributor house for distributor with 17 outlets Distributor house for distributor with 18 outlets Distributor house for distributor with 20 outlets Distributor house for distributor with 21 outlets Distributor house for distributor with 25 outlets Distributor house for distributor with 26 outlets Distributor house for distributor with 30 outlets	For 32 pipe distributor For 34 pipe distributor For 36 pipe distributor For 40 pipe distributor For 42 pipe distributor For 50 pipe distributor For 52 pipe distributor For 60 pipe distributor
17	8	KR 9331240	Tap bolt M20x40	



No.	Amount	Partnumber	Description	Comment
1	1	SLO200482	Sealing ring 70x85x10	
2	1	SLO200480	Sealing ring 70x90x10	
3	1	SLO200080	Eccentric complete axle Ø 32	See page 7
4	2	SLO200323	Folded cutting plate Ø 400 for eccentric	
5	6	KR 127B10	Spring clip M10	
6	6	KR 93410	Nut M10	
7	6	SLO200085	Fittingpen 10x80 for duo-distributor	
8	1	SLO200095	Faceplate for eccentric for duo-distributor	
9	1	KR 9342015	Nut M20x1,5	
10	1	KR 961201560	Tap bolt M20x1,5x60	



No.	Amount	Partnumber	Description	Comment
1	1	SLO 200483	Sealing ring 100x130x12	
2	1	SLO 200098	Eccentric hub axle Ø 32	
3	1	SLO 200091	Bearing for eccentric	
4	1	KR 47185	Circlip axle Ø 85	
5	1	KR 472130	Circlip housing Ø 130	
6	1	SLO 200096	Bearing housing for eccentric	For Ø 32 and 40
7	1	SLO 200094	Cover 3 holes for eccentric	For Ø 32 and 40
8	3	KR 127B8RVS	Spring clip M8	Rustless steel
9	3	KR 933820RVS	Tap bolt M8x20	Rustless steel

