RD DISC MOWER RANGE

Operating and Maintenance Instructions

WARNING

THE OPERATION AND ADJUSTMENT OF THE REESE OR AITCHISON MACHINE REQUIRES A COMPLETE KNOWLEDGE OF THE CONTENTS OF THIS HANDBOOK. TO AVOID PERSONAL INJURY PLEASE ENSURE PERSONNEL ARE THOROUGHLY CONVERSANT WITH ALL DETAILS BEFORE COMMENCEMENT OF OPERATION OR MAINTENANCE.

WARRANTY

COMPLETE AND RETURN WARRANTY REGISTRATION TO ENSURE VALIDATION

IN THE USA RETURN TO: REESE AGRI-USA, PO BOX 202 BRAYNER MO 64624
IN AUSTRALIA AND NZ RETURN TO: REESE ENGINEERING LTD, PO BOX 5056, PALMERSTON NORTH, NEW ZEALAND

REESE warrants that the Machine delivered shall conform to the specifications set out in this Handbook.

REESE make no warranty or saleability or fitness of a particular use, nor is there any other express or implied warranty.

Subject to such other conditions, warranties, and/or undertakings which may apply from time to time under any applicable law, REESE warrants with respect to each new REESE or Aitchison Machine sold by its accredited agents, that for a period of twelve months from the date of original retail sale, REESE will repair or replace free of charge any part found to be defective in factory materials or workmanship under normal use and operation provided that;

1. The Machine
a. has been properly assembled and adjusted
b. has been properly used and operated within the capacity and operating limitations specified by the manufacturer thereof, and
c. has been properly maintained and cared for.

2. The Warranty applies to a direct purchase from an authorized REESE or Aitchison dealer. If any defect or fault shall arise such purchaser must return the defective work or Machine to an authorised REESE or Aitchison Dealer within ten working days of such defect or fault arising.

3. In the event of the purchaser attempting to repair or replace the work or product without prior written consent of an authorised REESE or Aitchison Distributor this guarantee shall become void. REESE may replace or repair any damaged product or work at its discretion.

4. In respect of such Machine this warranty does not apply to:

a. misuse or carelessness in handling
b. noncompliance of REESE's operating and maintenance instructions.
c. unauthorised repairs or alterations.
d. consequential damage resulting from misuse or initial faults.
e. parts subjected to wear or damage as a result of normal operation ie

- cutting blades
- blade pivot bolts
- tines
- tyres
- belts
- Hydraulic components

5. Any disputes in relation to this contract or product shall be governed by New Zealand law and shall be determined in New Zealand courts.

CONTENTS

INTRODUCTION

The Reese RD disc mowers have been designed and built by Reese Agri to meet demanding mowing conditions. The mowers combine rugged, heavy construction and quality componentry with user-friendly technology. To ensure correct operation, please read the instructions contained in this document carefully BEFORE attempting to use the mower, and refer to the assembly drawing for details on assembly and replacement parts.

All mowers are factory assembled and tested before delivery.

TECHNICAL SPECIFICATIONS

technical specifications	RD 2400	RD 2800	RD 3200
CUTTING WIDTH	2.40 m (8”)	2.80 m	3.20 m (10’5”)
NUMBER OF DISCS	6	7	8
NUMBER OF BLADES	12	14 (8R, 6L)	16
WEIGHT	485 kg (1070lbs)	550 kg	595kg (1309lbs)
HP REQUIREMENT (AT 540 RPM)	FROM 45hp	FROM 50hp	FROM 60hp
DISC SPEED	3000 rpm	3000 rpm	3000 rpm
V-BELT DRIVE	4 B-SECTION	4 B-SECTION	4 BELTS
TRACTOR LINKAGE	CAT II	CAT II	CAT II

ASSEMBLY

Depending on your location, the machine may be supplied either fully assembled or partially disassembled (for shipping). These instructions only apply to those mowers that are partially disassembled.

FOR PARTIALLY DISASSEMBLED MOWERS

1. Ensure that the machine serial number printed on each of the two crates is the same.
2. Identify the components in each crate using the assembly drawing, and ensure that all necessary parts are accounted for. The mower will have been broken down into two crates containing;

    1) Headstock components - spring, ram, input housing, limit arm, large driving pulley, yellow plastic cover (2 halves), belts (x4), PTO shaft, hoses, yellow rope.

    2) Cutter bar components - cutter bar, inner and outer swath boards, cover beam, cover frame (front and back), small pulley, upper and lower links, yellow topping cover.

3. Unpack the cutter bar and place on flat ground. Remove the pulley from the gearbox.
4. Unpack the headstock and remove the pivot plate (item 45) from the main beam. The headstock should be supported by blocks of wood to keep the belt cover clear of the ground.
5. Attach the headstock to the cutterbar by bolting the pivot plate (45) back into position so that the gearbox is held between the plate on the main beam and the pivot plate. Ensure that the two large nylon bushes (44) are in place. Refer to Figure 3.
6. Remove the outer belt cover and fit the small pulley to the gearbox shaft and secure with the bolt and washer removed earlier. Make sure the key is in position.
7. Lift the top link (58) clear and elevate the headstock until the end of the spring tube aligns with the pin on the cutter bar beam.
8. Attach the spring to the pin as shown below, with a washer on each side and secure with an 8x40 tension pin (8).

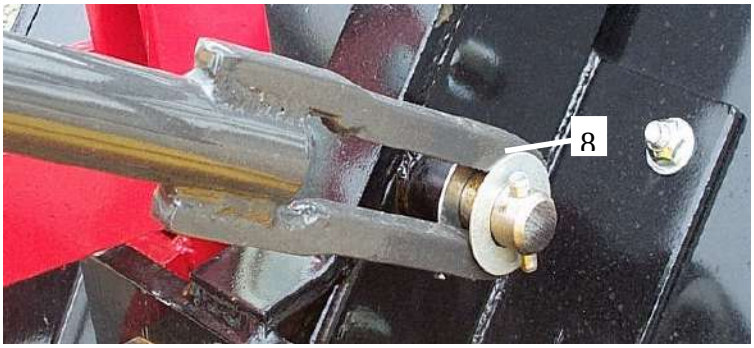


Figure 1 - Spring attachment to cutter bar frame

9. Continue to lift the headstock so that the limit lock pin (15) can be locked into the “park” position (refer to Figure 2). The headstock will now float, so any supports can be removed and the headstock gently lowered until the spring takes the weight.

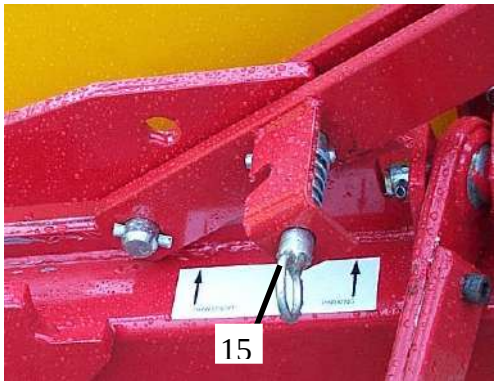


Figure 2 - Limit locking pin shown in the 'Park' position

10. Connect the spear of the hydraulic ram to the top of the bottom link (55) using the pin (56) and socket set screw (10).
11. Fit the four belts to the pulleys and tension using the tensioner bolt and lock nut (35). The correct belt tension is obtained when a force of 75 N (7.5 kg_f) applied perpendicular to the belt at the centre of the belt span results in a deflection of 25 mm. Attach the belt cover to conceal belts.
12. Fit the inner and outer swath boards to the cutter bar frame. The outer swath board should be secured allowing enough spring movement for the swath board to deflect sideways. (In some countries, the outer swath board may be replaced by an optional swath disc).
13. Attach the front and rear tubular topping cover frames using the M8 bolts and Nyloc nuts supplied (65, 66).
14. Fit the topping cover and tie down using the nylon ties located on the underside of the cover.
15. Run the yellow rope so that it travels through the eye on the headstock (18), over the ram and tie to the eye on the top link arm (58).

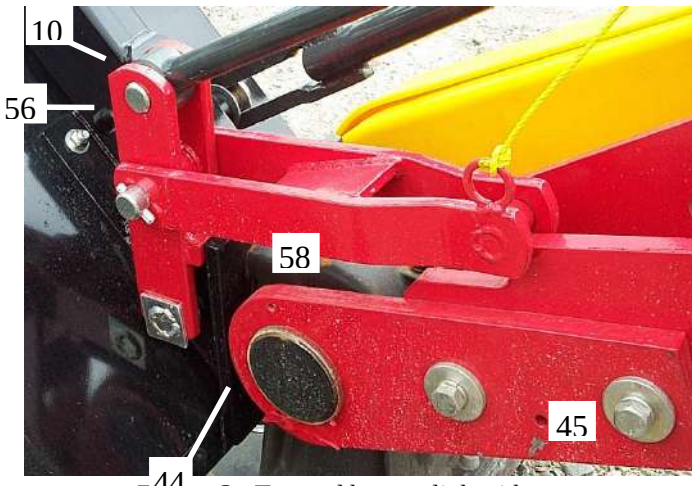


Figure 3 - Top and bottom link with ram

NB - In New Zealand the machine may be supplied fully assembled.

PRIOR TO INITIAL USE

CHECKING DRIVE SHAFT LENGTH

Before the mower can be used, it is important that the drive shaft has the correct length for your tractor and mower combination. There must be sufficient available movement for the mower to be unbounded by the drive shaft. Note that the drive shaft will extend by 90 mm in the event of a breakaway, and it is required that 100mm of the shafts still be in contact. When at its shortest extension, there should be a minimum 20mm clearance. If necessary the shafts can be cut down (each by the same amount) to meet the above conditions.

GREASE

- the mower pivot pin (at 61)
- drive shaft universal joints
- drive shaft slider

OIL

- Apply a few drops of oil to all bolts and nuts and threaded adjusters.
- Apply a few drops of oil to bearing surfaces on pins.
- Check oil level in cutter bar (refer to the cutter bar section for details).

BELT TENSION

The correct belt tension is obtained when a force of 75 N (7.5 kg_f) applied perpendicular to the belt at the centre of the belt span results in a deflection of 25 mm. To tension the belts:

- loosen the input housing securing bolts (34, 2 of).
- release locking nut on tensioner (35), and adjust tensioner bolt to above specs.
- tighten locking nut and input housing securing bolts.

ROUTINE SERVICING

DANGER

ROTATING PARTS

This machine is PTO driven. Ensure that machine has stopped and PTO is secured to prevent inadvertent engagement before making adjustments or carrying out maintenance.

CAUTION

All hydraulically elevated equipment must be supported or lowered to the ground when servicing to prevent accidental lowering which may result in personal injury.

The following schedule is recommended for average farm situations. For larger holdings or under contracting conditions the annual servicing may have to be carried out more frequently.

DO NOT OPERATE THE MOWER WITHOUT SAFETY COVERS IN PLACE.

RUNNING IN NEW BELTS

New belts need to be run for 30 minutes to 2 hours under full load and then re-tensioned to take up the initial stretch.

It is recommended that belts be checked again after 24 hours of operation.

DAILY

1. Grease PTO universal joints
2. Check blades for wear and sharpness.
3. Check belt tension - see 'Prior To Initial Use'.
4. Check bearings for early signs of wear.
5. Check cutter bar oil level.

BEGINNING OF SEASON

1. Check oil level in cutterbar. Change oil in cutter bar at least once a year. (Refer cutter bar service section).
2. Check for free rotation of discs.
3. Check disc and input shaft bearings for wear.
4. Check blades for wear and sharpness.
5. Check for free rotation of blades.
6. Re-tension belt and check for defects.
7. Check all nuts and bolts for tightness.
8. Grease
   - the mower pivot pin (at 61)
   - drive shaft universal joints
   - drive shaft slider
9. Oil
   - Apply a few drops of oil to all bolts and nuts and threaded adjusters.
   - Apply a few drops of oil to bearing surfaces on pins.

WEEKLY

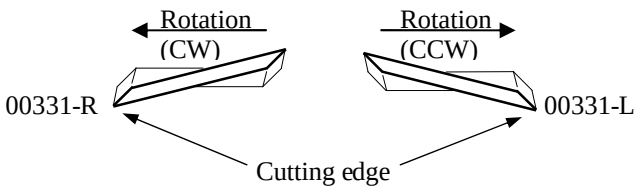
1. Grease
   - mower pivot pin (at 61)
   - PTO cover bearings
   - PTO slider
2. Check all nuts and adjusters for tightness.
3. Remove any build up of grass and dirt from around top and bottom links (55, 58) and around all pivot points.

CHANGING BLADES

Blades need to be changed when wear becomes excessive. This is important to prevent breakage and poor operation.

Bolts and nuts should be changed when the blades are changed.

There are two types of blade for different directions of rotation. The blades must be positioned so that the cutting edge is the lower edge.



Blades can be turned over (in the same position) to present a new cutting edge when the first edge becomes worn.

END OF SEASON RECOMMENDATIONS

1. Clean mower thoroughly to remove dirt and grass.
2. Oil all threads, adjusters and pins lightly to prevent rusting.
3. Slacken belts off to prevent creep. This will lengthen the life of the belts.
4. Store the mower under cover.
5. Protect plastic and rubber based compounds from direct sunlight.

CHANGING BELTS

When a belt breaks, all four belts must be replaced as a set. Replacing only the broken belt will result in excessive wear on all the belts and shorten the life of the new belt.

To replace the belts:

1. Remove belt cover.
2. Loosen the input housing securing bolts (34).
3. Slacken off the adjuster (35) as far as it will go.
4. Work old belts off pulleys (small pulley first).
5. Fit new belts to pulleys.
6. Tension belts to details given in ‘Prior To Initial Use’.
7. Tighten lock nuts and input housing securing bolts and re-fit yellow cover.
8. Check belts as per the instructions given in ‘Running In New Belts’ in this section.

OPERATION

IMPORTANT

To achieve optimum results it is necessary that operating instructions are complied with. Do not operate without safety covers on place.

AS WITH ALL PTO MACHINERY - EXERCISE EXTREME CAUTION

HITCHING TO THE TRACTOR

1. Hitch the mower to the tractors 3-point linkage. This is made easy by the floating headstock, which allows the operator to position the headstock freely.
2. Adjust the tractors lower link arms so that the linkage pins are horizontal. If the headstock is lower on the cutterbar side the latching systems will not function correctly.
3. Connect PTO shaft. If you have not done so, make sure that the shaft is the correct length, and that there is a minimum of 100mm engagement of the PTO's sliding surfaces when the mower is in the break away position, and 20mm of clearance when shortest. Refer to 'Prior To Initial Use'.

TRANSPORT

Refer to Figure 4 for a picture of the sliding mechanism and pin positions.

1. Ensure limit locking pin [A] in Figure 4 is locked out.
2. To avoid damage to the tractor cab (particularly on larger tractors) when raising, adjust the top link so that the cutter bar is horizontal (or even leaning slightly back).
3. Lower the 3-point linkage until the latch can be lifted via the yellow rope.
4. Raise the 3-point linkage again.
5. Gently raise the cutter bar using the remote for the hydraulic ram. Ensure that parts of the mower do not hit the tractor as it is raised.

   NB - On some tractors, it may be necessary to fold the front topping cover frame back and secure it to provide enough clearance from the tractor.
6. Continue to raise the cutter bar until the latch drops into position [5] on Figure 4.
7. *For on road transport and additional safety.*
   i) Once the mower is up, release the limit locking pin [A].
   ii) Maneuver the hydraulic ram until pin [A] locks into the transport position [2].

   This fully locks the cutter bar in case of hydraulic ram failure, and prevents the gearbox from dropping.

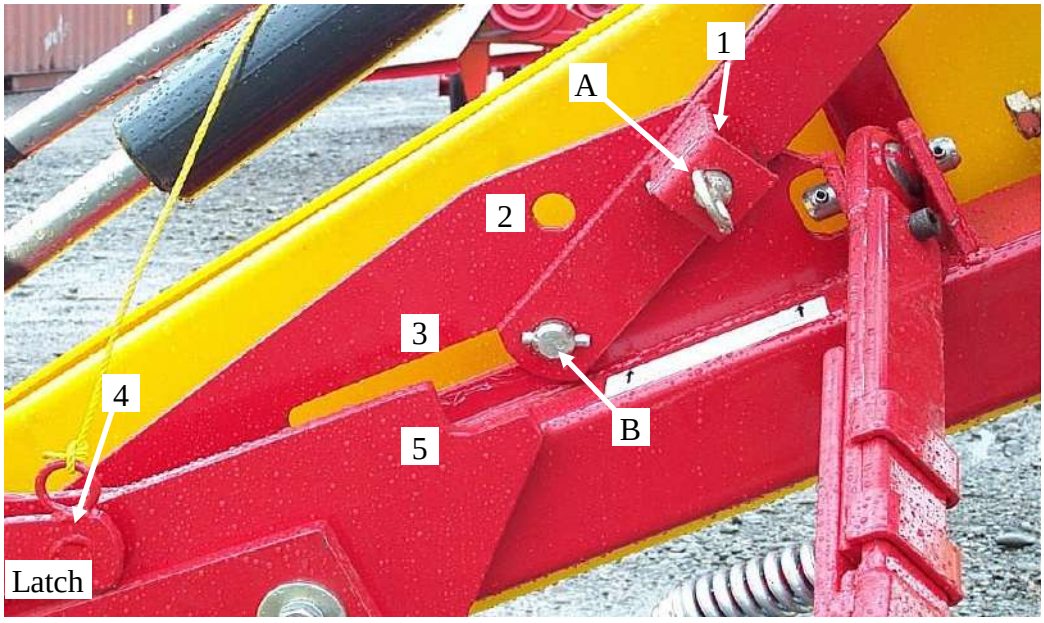


Figure 4 - Picture showing pin positions for mower use

CUTTING

1. Ensure the mower has been serviced as per the instructions.
2. From the transport position, move the hydraulic ram so that pin [A] is loose.
3. Pull out pin [A] and rotate to lock it out.
4. Raise the hydraulic ram until the latch can be lifted clear using the yellow rope.
5. Gently lower the hydraulic ram until the whole cutter bar lies on the ground, and the ram is taking no weight.
6. IMPORTANT - SET THE HYDRAULIC RAM TO FLOAT
7. Lower the 3-point linkage until the latch drops into position [4].
8. Raise the 3-point linkage until pin [B] lies in the centre of the slot it travels in [3]. This is critical in attaining even ground pressure. If the headstock is to high, the outer end of the mower will become lighter and will not float correctly. The height of the headstock can be tested by lifting the cutter bar at each end - they should feel the same.
9. Use the tractors top link to adjust cutting height. Care should be taken to ensure link is not extended out past cutter bar level position, as blades will double cut at rear of cutter bar causing excess power consumption and reduced cutting performance.
10. Engage tractor PTO and accelerate GRADUALLY to a minimum of 540 rpm. Mow at a speed you feel comfortable with.
11. In the event of a break away, **STOP IMMEDIATELY and DISENGAGE PTO**. Return the mower to its operating position by gently reversing into an obstruction.
12. During operation, the cutter bar can be raised and lowered (parallel lifted) using the hydraulic ram alone.

ROTATING PART HAZARD - USE CAUTION AT ALL TIMES

ADJUSTING THE BREAKAWAY

The breakaway is a safety device designed to give the operator some time to react in the event of the mower hitting a solid obstruction. If it activates, **STOP IMMEDIATELY**. If the breakaway activates without the mower hitting something solid (i.e., the force of the grass is all that has fired it), then it may be necessary to tighten the breakaway spring a little. This can be done by adjusting the M16 Nyloc nut (item 50).

IMPORTANT - Care must be taken that the nut is not tightened up so far that the spring will bind during a breakaway, as this will prevent the breakaway from activating at all. The breakaway latch requires free spring movement of 13mm in order for it to function correctly. This corresponds to 1.3mm MINIMUM between coils on the spring.

PARKING

1. Find an area of FLAT ground to park the mower on.
2. Lower the mower to the ground as per the steps 2 - 6 in 'Cutting' above.
3. Release the limit locking pin ([A] in Figure 4).
4. Raise the headstock until the pin locks into position [1], its parking position. (The position of the latch is unimportant - it can either be in position [4] or left floating between [4] and [5].
5. Lower the 3-point linkage until the lower link arms are taking no weight.
6. Disconnect the hydraulic hose, PTO, and finally 3-point linkage.

TROUBLE SHOOTING

Cutter bar does not follow ground contour properly.	• Headstock is positioned at the wrong height. Refer to 'Cutting', step 8. • Ram is not in float position
The latch mechanism will not work properly.	• Headstock is leaning down on the mower side. Adjust lower link arms so that the headstock is horizontal or is slightly higher on the mower side.
Cut height is uneven across mower width.	• Check blade condition • Mower is tilted too far forwards
The crop is flattened without being cut.	• Check that correct blades have been fitted and direction of rotation is correct. • Check blades are free. • The blade is creating too much turbulence and is blowing the crop flat. ➔Reduce PTO speed and increase forward tractor speed.

Belts are slipping on spin-up.	• Too much torque is being applied to the mower on start up. ➔Engage the PTO GENTLY and at low engine rpm, and bring up to speed gradually.
Break away activates without hitting solid object.	• Breakaway spring is too loose. Refer to 'Adjusting The Breakaway'.

CUTTER BAR AND GEARBOX

LUBRICATION

OIL TYPE

SAE 90 EP (ISO VG 320) oil is recommended for both the cutter bar and gearbox.

GEARBOX

Capacity - 0.7L (RD 2400 AND 2800 models)

- The oil level in the gearbox can be checked via a dipstick on top (item 1 on Figure 7 and 9).
- To drain the oil from the gearbox, remove the plug (located at the bottom of the gearbox, behind the inner skid).

CUTTER BAR

RD 2400 (6 disc) Capacity - 2.7L

RD 2800 (7 disc) Capacity - 3.2L

- To check the oil level in the 6 and 7 disc cutter bars, raise the cutter bar to the transport position (make sure the Latch locks in transport position and bar is secure) and remove the Oil Level Filler Plug. The cutter bar should be filled with oil to the level of this plug.

RD 3200 (8 disc) Capacity – 3.6L

- To check the oil level of the 8 disc cutter bar you need to put an 85mm block under the outside end of the cutter bar and have the inside end sitting on the ground. Measure the depth of the oil at the 'oil level filler plug' and it should be 1" deep.

OIL CHANGE

It is recommended the first oil change be made after 50 hours of work. From then the oil should be changed every 500 hours, and/or once per year at least.

The type of grease recommended for oil seals is NLGI 0 EP.

6 DISC

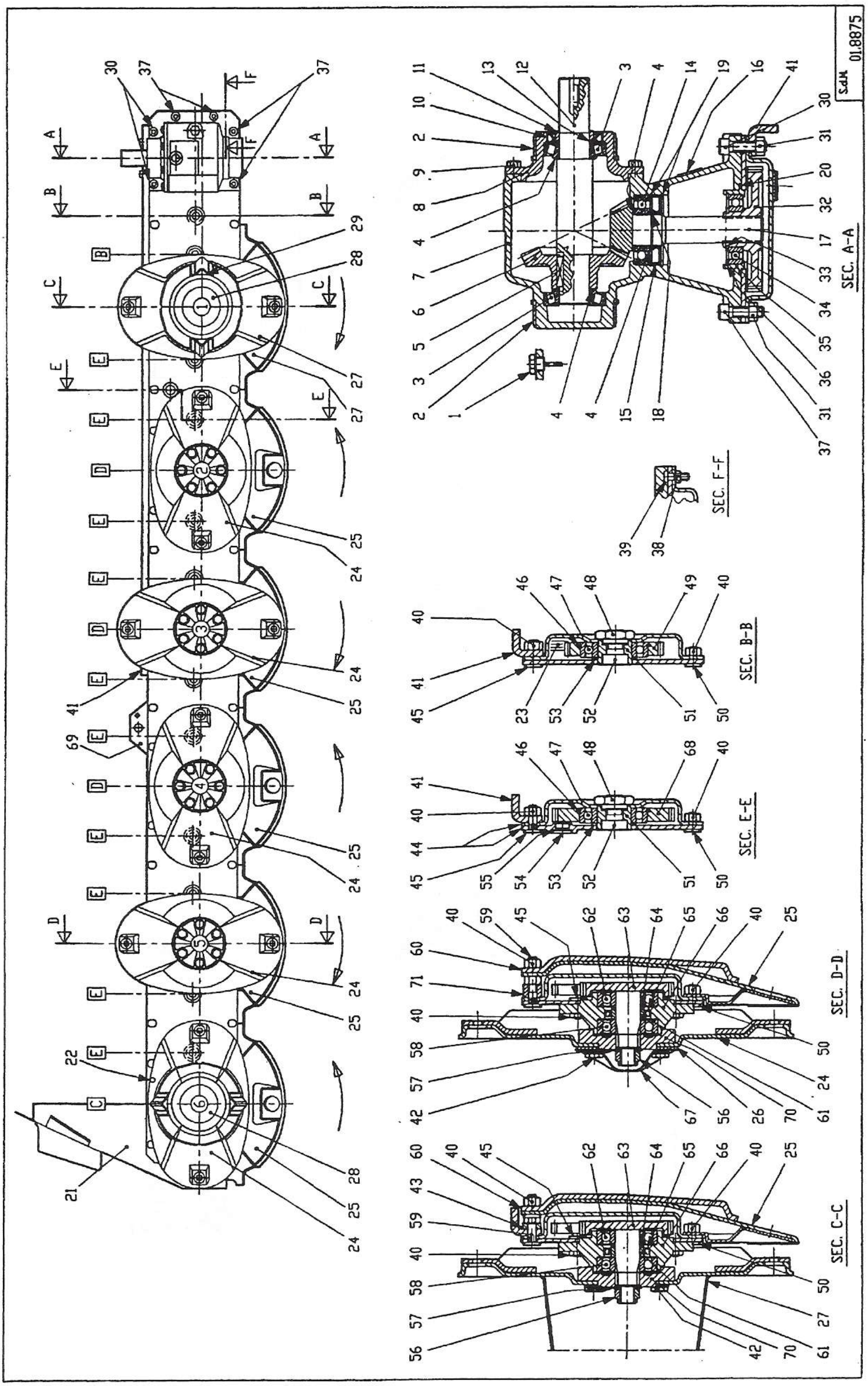


Figure 7 - 6 Disc parts detail

POS.	DRG. N.	PIEC	DESCRIPTION	
1	0.142.7101.00	1	PLUG	3/8"GAS
2	0.142.7103.00	2	BUSH	
3	8.0.9.00026	2	BEARING	30207
4	0.259.7500.00	4	SHIM	48.0
5	8.4.1.01125	1	PARALLEL KEY	B 10X8X35
6	0.142.5001.00	1	CROWN WHEEL	Z33 M3.75
7	0.142.0301.00	1	CASING	
8	0.142.1301.00	1	COVER	
9	8.1.1.01540	8	BOLT	M10x22 8.8 DCRT320
10	8.7.1.00769	1	DOUBLE LIP SEAL	45X65 X10
11	0.142.7100.00	1	BUSH	
12	0.142.2001.00	1	SHAFT	
13	8.7.6.00954	1	O-RING	(39.83X34.59X2.62)
14	8.0.1.00644	1	BEARING	6307
15	8.7.3.00081	1	OIL SEAL	35X80X10
16	0.259.7111.00	1	PLATE	
17	0.142.6000.00	1	PINION SHAFT	Z16 M3.75
18	8.5.1.00005	1	SNAP RING	35 UNI7435
19	8.5.2.00030	2	SNAP RING	80 UNI7437
21	2.404.1330.00	1	MOUNTING	
22	8.4.5.01205	2	SPRING PIN	10X12 D1481
23	8.8.6.00435	3,06	OIL	
24	2.404.7037.00	4	REINFORCED DISC	
25	2.520.1714.00	6	MOUNTING	380
26	0.465.7005.00	4	SPACER	
27	2.404.7046.00	2	CONVEYOR	
28	0.404.7135.00	2	CAP	
29	0.404.7132.00	1	SCREW	DCRT320
30	8.1.2.01529	3	BOLT	M12x45 2.9 DCRT320
31	8.2.1.01533	8	HEX. NUT	M12 10DCRT320
32	0.505.6000.00	1	GEAR	Z45 M3
33	8.5.1.00680	1	SNAP RING	40 UNI7436
34	8.0.1.01184	1	BEARING	6208/C3
35	0.404.7108.00	1	BUSH	
36	8.5.2.00030	1	SNAP RING	80 UNI7437
37	8.1.2.01530	5	BOLT	M12x40 12.9 DCRT320
38	8.2.1.00985	4	HEX. NUT	NB ZINC. 8
39	8.1.2.01527	4	BOLT	M8x25 8.8 DCRT320
40	8.2.1.01528	103	HEX. NUT	M10 DCRT320
41	0.406.7101.00	1	BACK REINFORCEMENT	
42	0.420.7101.00	36	BOLT	M10x20
43	0.404.7136.00	3	SPACER	
44	2.506.0301.00	1	CUTTERBED+COVER	
45	0.404.7101.00	62	SCREW	M10X30DCRT320
46	0.505.7101.00	12	SNAP RING	80
47	8.0.1.01918	12	BEARING	6208 N/C3
48	0.465.7050.00	12	NUT	
49	0.505.6001.00	2	GEAR	Z36 M3
50	0.404.7112.00	28	SCREW	M10X19DCRT320
51	0.465.7049.00	12	PIN	
52	0.404.7107.00	12	BOLT	M20X30DCRT320
53	0.404.7105.00	12	SPACER	
54	0.404.7131.00	2	PLUG	3/8"GAS
55	8.3.0.01353	2	BOLT WASHER	17X22X1.5
56	8.2.6.00740	6	LOCKNUT	20X1,5H17,3
57	8.5.5.01425	6	BELLEVILLE SPRING	0.4X40X2.25
58	8.0.1.02267	6	BEARING	6306 2RS/C3 KBC
59	0.404.7102.00	6	SCREW	M10X52DCRT320
60	0.520.1721.00	6	WEAR BLADE	
61	0.505.7100.00	6	BUSH	
62	8.0.1.02279	6	BEARING	6306 2Z/C3 KBC
63	0.505.5000.00	6	GEAR	Z34 M3
64	8.7.6.01244	6	O-RING	OR-3112
65	8.7.3.00044	6	OIL SEAL	40X56X8
66	0.505.1301.00	6	MOUNTING	
67	0.420.7046.00	4	CAP	
68	0.505.6002.00	10	GEAR	Z45 M3
69	0.404.7118.00	1	MOUNTING	
70	0.522.7003.00	6	FLANGE	
71	0.404.7137.00	3	SPACER	

Table 2 – 6 Disc cutter bar parts listing

6 DISC

7 DISC

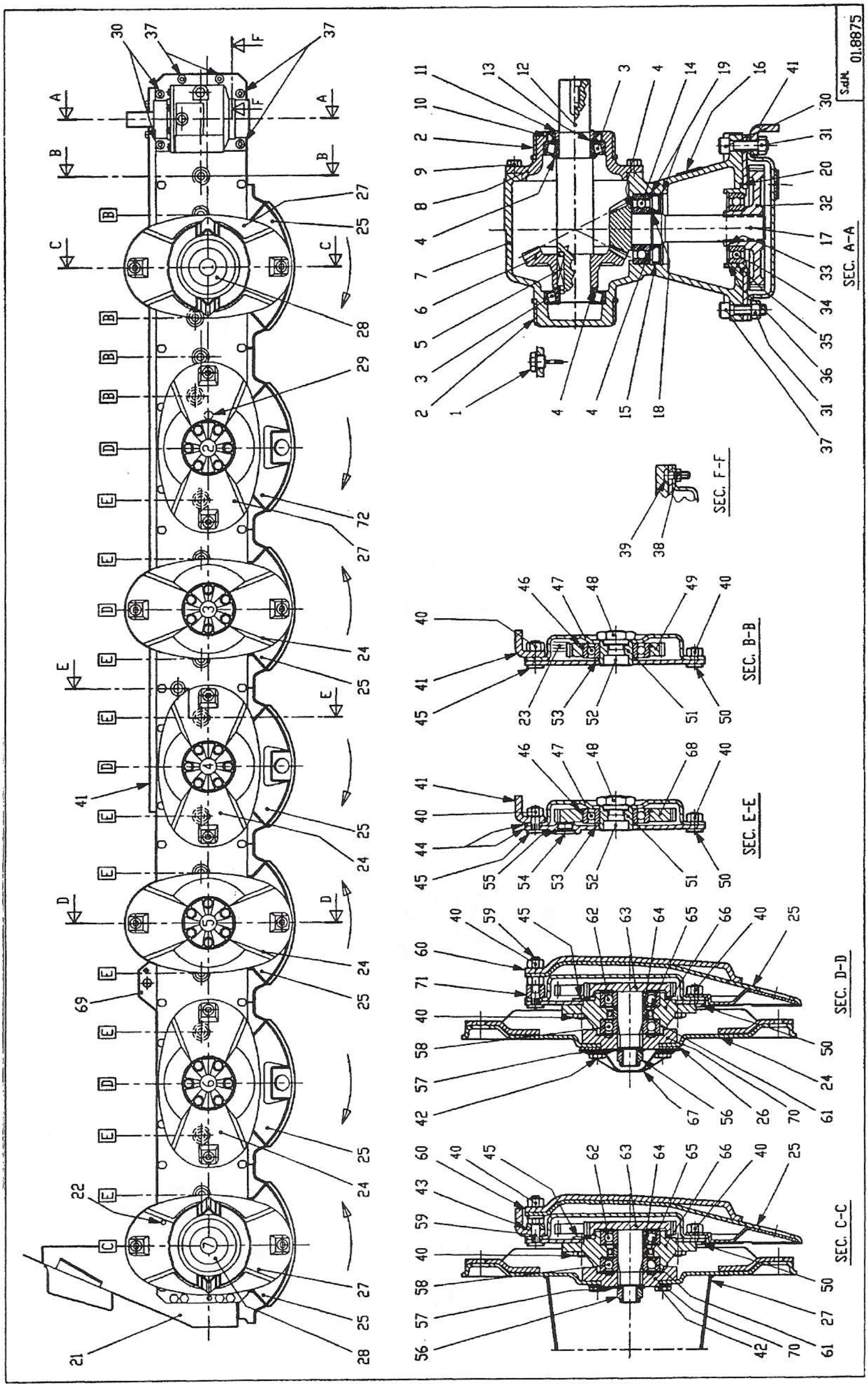


Figure 9 - 7 Disc parts detail

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18	8.5.1.00005	1	SNAP RING	35 UNI7435
19	8.5.2.00030	2	SNAP RING	80 UNI7437
21	2.404.1330.00	1	MOUNTING	
22	8.4.5.01205	2	SPRING PIN	10X12 D1481
23	8.8.6.00435	3,51	OIL	
24	2.404.7037.00	5	REINFORCED DISC	
25	2.520.1714.00	6	MOUNTING	380
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27	2.404.7046.00	2	CONVEYOR	
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29	0.404.7132.00	3	SCREW	DCRT320
30	8.1.2.01529	3	BOLT	M12x45 12.9 DCRT320
31	8.2.1.01533	8	HEX. NUT	M12 10 DCRT320
32	0.505.6000.00	1	GEAR	Z45 M3
33	8.5.1.00680	1	SNAP RING	40 UNI7436
34	8.0.1.01184	1	BEARING	6208/C3
35	0.404.7108.00	1	BUSH	
36	8.5.2.00030	1	SNAP RING	80 UNI7437
37	8.1.2.01530	5	BOLT	M12x40 12.9 DCRT320
38	8.2.1.00985	4	HEX. NUT	M8 ZINC. 8
39	8.1.2.01527	4	BOLT	8.8 DCRT320
40	8.2.1.01528	119	HEX. NUT	M10 10 DCRT320
41	0.407.7102.00	1	BACK REINFORCEMENT	
42	0.420.7101.00	42	BOLT	M10x20
43	0.404.7136.00	4	SPACER	
44	2.507.0301.00	1	CUTTERBED+COVER	
45	0.404.7101.00	71	SCREW	M10X30DCRT320
46	0.505.7101.00	15	SNAP RING	80
47	8.0.1.01918	15	BEARING	6208 N/C3
48	0.465.7050.00	15	NUT	
49	0.505.6001.00	5	GEAR	Z36 M3
50	0.404.7112.00	31	SCREW	M10X19DCRT320
51	0.465.7049.00	15	PIN	
52	0.404.7107.00	15	BOLT	M20X30DCRT320
53	0.404.7105.00	15	SPACER	
54	0.404.7131.00	2	PLUG	3/8"GAS
55	8.3.0.01353	2	BOLT WASHER	17X22X1.5
56	8.2.6.00740	7	LOCKNUT	20X1,5H17,3
57	8.5.5.01425	7	BELLEVILLE SPRING	0.4X40X2.25
58	8.0.1.02267	7	BEARING	6306 2RS/C3 KBC
59	0.404.7102.00	7	SCREW	M10X52DCRT320
60	0.520.1721.00	7	WEAR BLADE	
61	0.505.7100.00	7	BUSH	
62	8.0.1.02279	7	BEARING	6306 2Z/C3 KBC
63	0.505.5000.00	7	GEAR	Z34 M3
64	8.7.6.01244	7	O-RING	OR-3112
65	8.7.3.00044	7	OIL SEAL	40X56X8
66	0.505.1301.00	7	MOUNTING	
67	0.420.7046.00	5	CAP	
68	0.505.6002.00	10	GEAR	Z45 M3
69	0.404.7118.00	1	MOUNTING	
70	0.522.7003.00	7	FLANGE	
71	0.404.7137.00	3	SPACER	
72	2.520.1716.00	1	MOUNTING	420

Table 3 - 7 Disc cutter bar parts listings

8 DISC

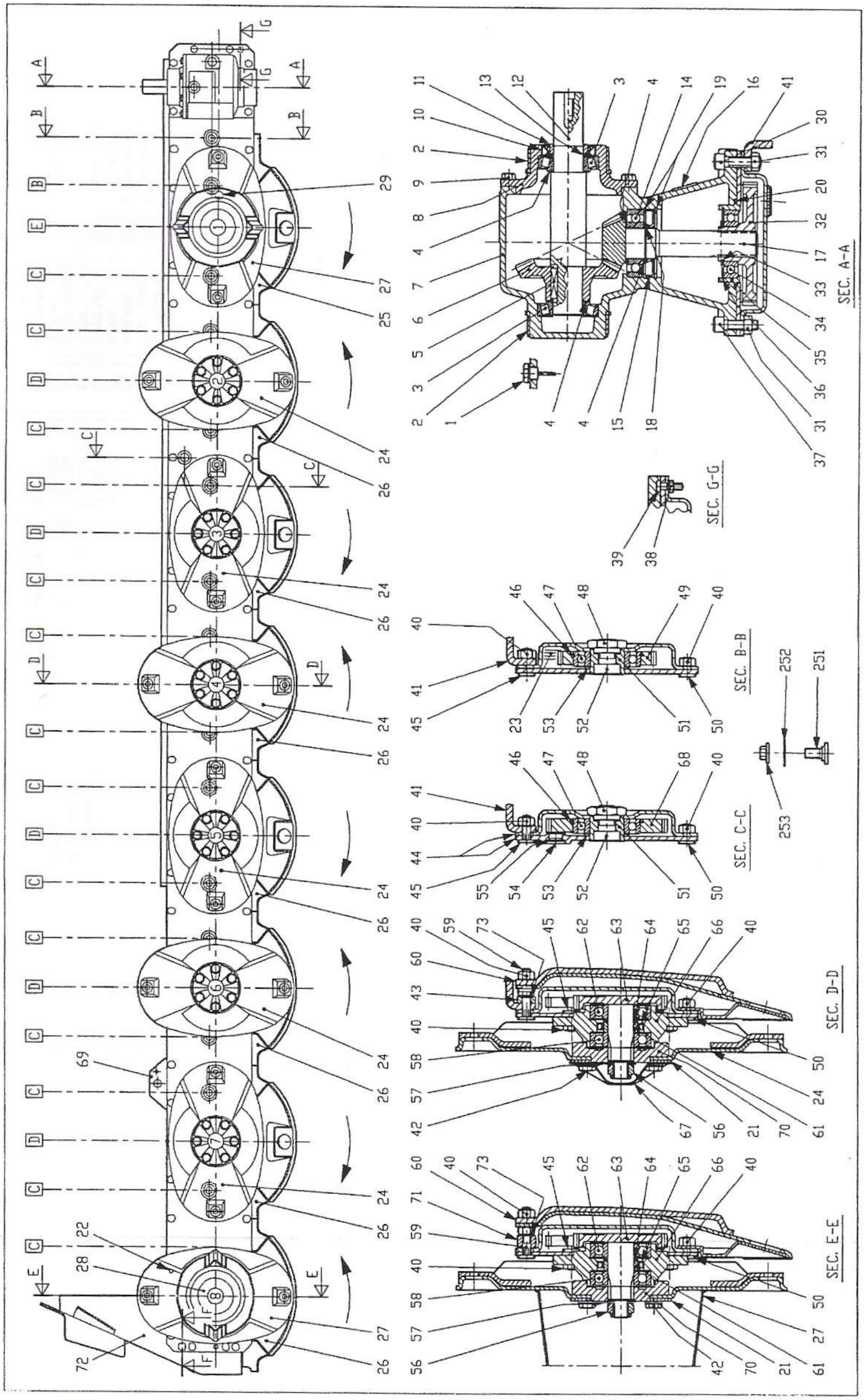


Figure 11 – 8 Disc Parts Detail

DESIGNATION	CUTTER BAR	A FR-508A	CODE N°	9.508.207.00

POS.	DRG. N.	PIEC	DESCRIPTION	
1	0.142.7101.00	1	PLUG	3/8"GAS
2	0.142.7103.00	2	BUSH	
3	8.0.9.00026	2	BEARING	30207
4	0.259.7500.00	4	SHIM	35.3x48.0
5	8.4.1.01125	1	PARALLEL KEY	B 10X8X35
6	0.142.5001.00	1	CROWN WHEEL	Z33 M3.75
7	0.142.0301.00	1	CASING	
8	0.142.1301.00	1	COVER	
9	8.1.1.01540	8	BOLT	M10x22 8.8 DCRT
10	8.7.1.00769	1	DOUBLE LIP SEAL	45X65 X10
11	0.142.7100.00	1	BUSH	
12	0.142.2001.00	1	SHAFT	
13	8.7.6.00954	1	O-RING	39.83x34.59X2.62
14	8.0.1.00644	1	BEARING	6307
15	8.7.3.00081	1	OIL SEAL	35X80X10
16	0.259.7111.00	1	PLATE	
17	0.142.6000.00	1	PINION SHAFT	Z16 M3.75
18	8.5.1.00005	1	SNAP RING	35 UNI7435
19	8.5.2.00030	2	SNAP RING	80 UNI7437
20	8.7.6.01188	1	O-RING	OR-4375
21	0.465.7005.00	8	SPACER	
22	8.4.5.01205	2	SPRING PIN	10X12 D1481
23	8.8.6.00435	4,05	OIL	
24	2.404.7037.00	6	REINFORCED DISC	
25	2.520.1716.00	1	MOUNTING	420
26	2.520.1714.00	7	MOUNTING	380
27	2.404.7046.00	2	CONVEYOR	
28	0.404.7135.00	2	CAP	
29	0.404.7132.00	1	SCREW	M10x30 DCRT
30	8.1.2.01529	3	BOLT	M12x45 12.9 DCRT320
31	8.2.1.01533	8	HEX. NUT	M12 10 DCRT320
32	0.505.6000.00	1	GEAR	Z45 M3
33	8.5.1.00680	1	SNAP RING	40 UNI7436
34	8.0.1.01184	1	BEARING	6208/C3
35	0.404.7108.00	1	BUSH	
36	8.5.2.00030	1	SNAP RING	80 UNI7437
37	8.1.2.01530	5	BOLT	M12x40 12.9 DCRT320
38	8.2.1.00985	4	HEX. NUT	M8 ZINC. 8
39	8.1.2.01527	4	BOLT	M8x25 8.8 DCRT320
40	8.2.1.01528	135	HEX. NUT	M10 DCRT320
41	0.408.7100.00	1	REINFORCEMENT	
42	0.420.7101.00	48	BOLT	M10x20
43	0.404.7136.00	5	SPACER	7 mm
44	2.508.0301.00	1	CUTTERBED+COVER	
45	0.404.7101.00	84	SCREW	M10x30DCRT320
46	0.505.7101.00	16	SNAP RING	80
47	8.0.1.01918	16	BEARING	6208 N/C3
48	0.465.7050.00	16	NUT	
49	0.505.6001.00	2	GEAR	Z36 M3
50	0.404.7112.00	34	SCREW	M10x19 DCRT320
51	0.465.7049.00	16	PIN	
52	0.404.7107.00	16	BOLT	M20x30 DCRT320
53	0.404.7105.00	16	SPACER	40.3x51.5x3
54	0.404.7131.00	2	PLUG	3/8"GAS
55	8.3.0.01353	2	BOLT WASHER	17x22x1.5

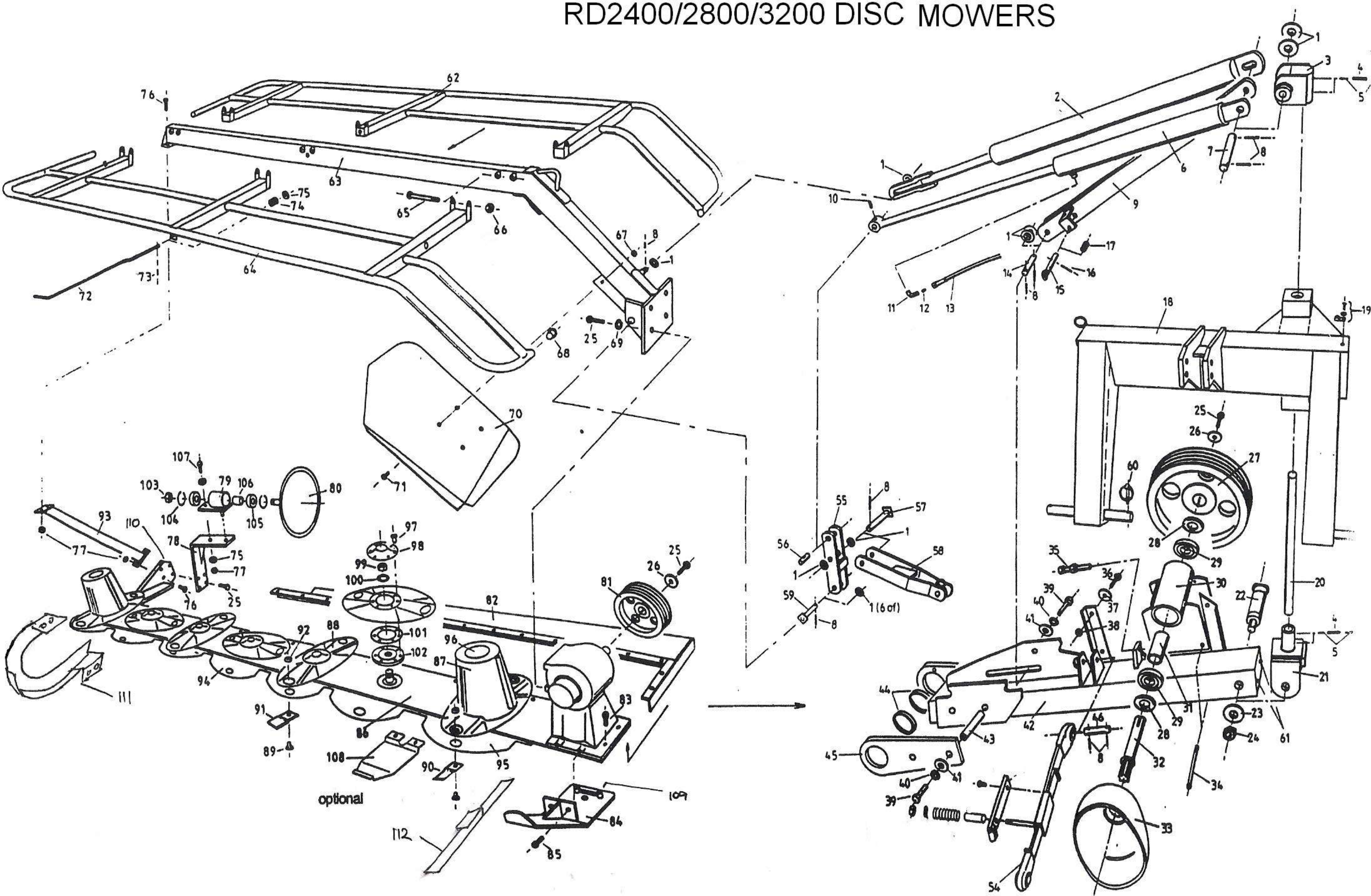
DESIGNATION	CUTTER BAR	A FR-508A	CODE N°	9.508.207.00

POS.	DRG. N.	PIEC	DESCRIPTION	
56	8.2.6.00740	8	LOCKNUT	20X1,5H17,3
57	8.5.5.01425	8	BELLEVILLE SPRING	0.4X40X2.25
58	8.0.1.02267	8	BEARING	6306 2RS/C3 KBC
59	0.404.7102.00	8	SCREW	M10x52 DCRT320
60	0.520.1721.00	8	WEAR BLADE	
61	0.505.7100.00	8	BUSH	
62	8.0.1.02279	8	BEARING	6306 2z/C3 KBC
63	0.505.5000.00	8	GEAR	Z34 M3
64	8.7.6.01244	8	O-RING	OR-3112
65	8.7.3.00044	8	OIL SEAL	40X56X8
66	0.505.1301.00	8	MOUNTING	
67	0.420.7046.00	6	CAP	
68	0.505.6002.00	14	GEAR	Z45 M3
69	0.404.7118.00	1	MOUNTING	
70	0.522.7003.00	8	FLANGE	
71	0.404.7137.00	3	SPACER	15 mm
72	2.404.1334.00	1	MOUNTING	
73	0.404.7140.00	8	BELLEVILLE SPRING	20X10,2X1,1
	A.508.003	1		
251	0.404.7152.00	16	SCREW	
252	1.404.7109.00	16	WASHER	DCRT320
253	0.404.7139.00	16	NUT	M12 DCRT320

8 DISC

Table 4 – 8 Disc Cutter bar parts list

RD2400/2800/3200 DISC MOWERS



Item No.	Part No.	Description	Item No.	Part No.	Description	Item No.	Part No.	Description
1	9072	Washer - 1"x48x1.6	39	8602H	Set Screw - M16x40 HT	82	00361	Cutter Bar Reinforcing - 6 Disc
2	00366	Spring Assy. - 6 Disc	40	9061	Spring Washer 16mm		00351	Cutter Bar Reinforcing - 7 Disc
	00326	Spring Assy. - 7 Disc	41	00330	Washer - 50x17x6		00387	Reinforcing Cutter Bar RD3200
3	00307	Top Clevis	42	00314	Main Frame	83	C8.1.2.01529	Socket Head Cap Screw - M12
4	W4A	Tension Pin - 10x65		00384	MAINFRAME WELDED ASSY RD3200	84	00352	Inner Skid Shoe
5	9250	Tension Pin - 6x30	43	00329	Bolt, Main Frame	85	8419H	Socket Head Cap Screw - M10x22
6	00317	Hydraulic Ram	44	C0.142.7103.00	Nylon Bush	86	C00360	Cutter Bar Complete - 6 Disc
7	00320	Pivot Pin - Top Clevis	45	00314-09	Pivot Plate		C00340	Cutter Bar Complete - 7 Disc
8	9256	Tension Pin - 8x40	46	00323	Pin - Breakaway	87	C2.404.7046.00	Conveyor
9	00312	Limit Arm	54	00313	Breakaway - Latch End	88	C2.404.7037.00	Disc
10	8400	Socket Set Screw - M10x12 Kn. Cup	55	00310	Bottom Link	89	00336-01	Blade Bolt - M12
11	H3106	Elbow - 90° 1/4" BSP M/M	56	00321	Pivot Pin - Bottom Link (Top)	90	00331-R	Blade - Right (Clockwise)
12	H3113	Flow Restrictor	57	00319	Pivot Pin - Bottom Link (middle)	91	00331-L	Blade - Left (Counter Clockwise)
13	H3002	Hydraulic Hose - 2.1m lg M/F	58	00311	Top Link	92	9150	Nut Blade Conelock M12 ZP
	H3102	Hyd. Red. Bush 1/2-1/4" BSP M/F	59	00318	Pivot Pin - Bottom Link (bottom)	94	C2.520.1714.00	Mounting M.1=380
	H3101	Tractor Q/R Ball Coupling	60	9288	Lynch Pin 7/16"	95	C2.520.1716.00	Mounting M.1=420
14	00322	Limit Pin	61	24	Grease Nipple - 1/4" UNF	96	C2.404.7135.00	Cap Conveyor
15	00340	Limit Locking Pin	62	00365	Cover Frame Rear - 6 Disc	97	C0.420.7101.00	Bolt M10
16	S4950	Tension Pin - M8x55		00335	Cover Frame Rear - 7 Disc	98	C0.420.7046.00	Cap Conveyor
17	00341	Limit Lock Spring		00385	Frame Cover Half RD3200 Rear	99	C8.2.6.00740	Nut M20 x 1.5 Nyloc
18	00301	Headstock	63	00363	Cover Frame Fixed - 6 Disc	100	C8.5.5.01425	Belleville Spring Washer 20mm
	00381	Headstock Welded Assy RD3200		00333	Cover Frame Fixed - 7 Disc	101	C0.465.7005.00	Spacer
19	8201	Screw - M6x12		00383	Frame Cover RD3200 Welded Assy	102	C0.522.7003.00	Disc Flange
	9021	Washer - Spring 6mm	64	00364	Cover Frame Front - 6 Disc	103	9172	Nut Nyloc M20
	H3213	P clamp to fit 3/8" Hose		00334	Cover Frame Front - 7 Disc	104	32	Circlip
20	00308	Pivot Pin		00382	Frame Cover Half RD3200 Front	105	31	Bearing - Idler
21	00309	Bottom Clevis	65	8304	Bolt - M8x90	106	00347-05	Spacer Tube
22	10207	Pivot Bolt	66	9105	Nut - M8 Nyloc	107	8503	Bolt M12 x 40 ZP
23	39	Washer - 25x10		9031	Washer - 8mm	108	C0.520.1721.00	Under Skid Shoe
24	8	Nut - 1" UNF Nyloc	67	9142	Nut - M10 Nyloc	109	8502H	Bolt M12 x 50 ZP HT8.8
25	8503H-	Bolt M12 x 40 ZP HT 10.9	68	00334-09	Plug - Black Plastic	110	C2.404.1330.00	Mounting
26	00342	Washer - 50x13x6	69	9052	Washer - Spring 12mm	111	00354	Crop Devider
27	00315	Pulley - Driving (large) 355x4	70	00339	Swath Board - Inner	112	00353	Stand
	00315-01	Key 8x10x60	71	S1065	Coach Bolt - M10x25	**Parts Not Shown**		
28	9207	Nilos Ring	72	00334-13	Latch - Cover Frame	NS	00328	Belt
29	9213	Bearing - 6307-2RS1	73	9252	Tension Pin - 4x24	NS	00332	Cover Plate (for inner belt cover)
30	00316	Input Housing	74	S4542	Spring - Cover Frame Latch	NS	00327	Belt cover (inner)
31	00316-05	Spacer - Input Bearing	75	9051	Washer - 12mm	NS	00327	Belt cover (outer)
32	00316-06	Input Shaft	76	8501H	Setscrew M12x25	NS	00344	Star Knob - M12 Black
33	W23	Input Shaft Guard (90mm)	77	9151	Nut - Nyloc M12	NS	00327-03	Stud - Belt Cover
	9304	RIVET 3.2x15mm	78	00348	Mounting Bracket	NS	00327-06	Top Hat Plate (Cover Ribbing)
34	8519H	Bolt - M12x180 ZP HT 8.8	79	00347-04	Bearing Housing	NS	00368	Tarpaulin - 6 disc
35	105A	Belt Tensioner - M20x120 + nut	80	00347	Disc Welded Assy	NS	00338	Tarpaulin - 7 disc
36	8305	Bolt - M8x25 ZP	81	00324	Pulley - Driven (small) 170x4	NS	00389	Belt UFO RD3200
37	9032	Washer - 8mm Penny		00324-01	Key - 8x10x44	NS	00388	Tarpaulin RD 3200
38	9105	Nut - M8 Nyloc						