



35-RS165HN

35-RS210HN

35-RS250HN

35-RS290HN

ROTARY DISC MOWER



READ THIS MANUAL CAREFULLY BEFORE USING THE PRODUCT !!!
TRANSLATED FROM THE ORIGINAL

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INTRODUCTION

Thank you for choosing a product from Kellfri AB. By following general safety information, operating instructions and common sense, you will have many years of enjoyable use of the product. Kellfris equipment and products are aimed to be used by active farmers with high demands on functionality.

PRODUCT INFORMATION

Kellfris Rotary disc mowers are built to provide maximum operating safety with powerful bearings and gears in oil bath. It is equipped with oval discs. Oval discs produce a higher cutting speed than traditional round discs and the disc bar is made of strong material in order to cope with any stone collisions, while the machine is also equipped with spring-loaded collision protection so that the machine folds obliquely backwards when it runs into obstacles. There are also individual skids below each disc to protect the cutter bar. The machine has a balanced cutter bar which rests easily on the ground. The low bar means that crops flow freely without stopping and the cutting height is adjustable. The machine is folded hydraulically for transport and the transport width is no wider than the tractor. Supplied with PTO shaft as standard. The rotary disc mower requires a double-acting hydraulic outlet on the tractor. The mower needs a double acting outlet on the tractor.

APPLICATION AREA

The tool is intended to cut grass. Make sure that no stones or obstacles in the field.



**CHECK AND TIGHTEN ALL BOLTS AROUND CUTTER BAR BEFORE OPERATION!
CHECK AND TIGHTEN BELT AFTER AN HOUR OF DRIVING !!**

TECHNICAL DATA	35-RS165HN	35-RS210HN	35-RS250HN	35-RS290HN
Width, cm	165	210	250	290
Rotor Discs, pieces (oval)	4 pcs	5 pcs	6 pcs	7 pcs
Working angle	+90 to -35 degrees			
PTO-shaft	Standard	Standard	Standard	Standard
Required power, hp	40	40	50	60
Weight, kg	350	450	530	565
Three-point linkage	cat.1, cat.2	cat.1, cat.2	cat.1 cat.2	cat.2
PTO -Rpm	540	540	540	540

BASIC SAFETY INSTRUCTIONS

Before using the equipment or product, and for the safety of yourself and others, you must read the safety instructions and the instruction manual and understand its contents. Always keep the safety instructions and instruction manual handy for users of the equipment or product. For the safety of both yourself and others, it may be a good idea to read through the safety instructions every now and then. If the safety instructions or instruction manual gets damaged or in any other way cannot be used, new copies may be ordered from:

Kellfri AB, Munkatorpsgatan 6, 532 37 SKARA

Sweden. Tel.: +46 (0)511 242 50 (Pls. contact the retailer) <https://www.kellfri.co.uk/>

Do not use the equipment or product if you feel ill, tired or are under the influence of alcohol.

Do not use the equipment or product if you are taking prescribed medication or drugs. Always

follow the general traffic regulations and regulations and the rules of the Animal Welfare Act.

Persons under 15 years old and people with mental illness may not use these equipments.



The product must not in any circumstances be modified without permission from the manufacturer. Unauthorized modification of the machine and/or accessories can cause fatal injuries or death to operator or others.

IMPORTANT!

WARNING LABELS

Warning symbols identify important safety aspects in this guide to help you and others avoid hazards and accidents. When using the machine: Be extremely careful!



Danger!

This symbol indicates that a serious accident will occur if the instructions in the manual are not followed. The accident leads to serious injury, possibly death or serious property damage.



Warning!

This symbol indicates that an accident will occur if the instructions in the manual are not followed. The accident leading to serious injury or property damage.



Careful!

This symbol indicates that an accident may occur if the regulations are not followed. The accident results in personal injury or property damage.

NB!

N.B! indicates the potential of failure if the regulation is not followed.

When using the machine in a company, the employer has the responsibility to ensure the user of the machine has theoretical and practical knowledge of the machine and the operation is done safely. Follow the country's Health and Safety regulation. For more information, contact your Health and Safety Executive.

PRODUCT SAFETY INFORMATION

The user of the machine should understand the content of this manual before use, service and installation of equipment to the tractor and all other relevant measures. Never wear jewellery, loose clothing, ties, scarves, belts, unbuttoned jackets that can get caught in moving parts.

Always wear approved clothing that complies with the provisions of accident prevention purposes, such as non-slip shoes, hearing protection, goggles and gloves. Wear a jacket with reflective stickers on the equipment used near public roads.

Contact your dealer, health authority or the nearest equivalent authority for information about the current safety regulations and special provisions to guarantee the personal security.



Always disengage the PTO-shaft, Turn off the tractor engine and apply the parking brake before adjustment is performed on the machine.



Never put your hands or feet under the machine without stopping the machine and the tractor engine. The rotors may continue to rotate for up to 1 minute after the PTO-shaft have been disengaged

- Never leave the equipment with the tractor engine running. Turn off the engine and apply the parking brake when you leave the piece of equipment, even for a short while.
- Never leave the implement in a raised position . The hydraulics can lose pressure and tool falling down.
- Make sure that all guards are fitted correctly and does not come loose.
- PTO shaft must be protected along its entire length. Make sure to anchor the safety chain well.
- Only you who is driving the tractor must be in the vicinity of the machine during work. No one is allowed to stand underneath the load.
- Check before driving that no rocks sticking up on the field, or lying objects that can be thrown out while driving.
- Always disengage the machine before performing service or maintenance .
- Do not try to remove things that stuck during operation. Ensure that the engine has stopped and that the blades have stopped spinning before any measures are taken on the machine.
- Do not drive with the mower if excessive vibration occurs, stop the machine immediately, check and correct the malfunction before the work is continued
- Do not climb on the mower! NEVER allow anyone to ride on the machine!
- It is forbidden to stand between the tractor / loader and the machine during coupling and uncoupling
- Make sure there is no more pressure in the system before disconnecting the hydraulic hoses. Pull the hydraulic handle from side to side several times to remove the pressure from the hydraulic hoses connected to the quick couplings.
- Disconnect the quick couplings, and be sure to protect hydraulic couplings for use so that they are not exposed to dirt.

WORKSTATION: The driver must remain in the driver's seat during the entire operation. If the operator need to leave the tractor, the PTO must be disengaged, the tractor engine shut off and the parking handbrake must be tightened.



Warning!

NEVER RUN THE HYDRAULICS WHEN THE TRACTOR IS TURNED OFF

What to consider when operating the implement with the PTO shaft

The transmission gearbox is protected by both the drive shaft and the shear bolt. All protection should be effective and in good condition. If protections condition is poor or worn, the protection should be replaced before implement is used.



DANGER!

If the PTO shaft is not properly protected, this can cause death because it can catch parts of the body or clothing and cause life-threatening injuries.

Make sure the safety chain is properly anchored to the PTO-shaft and that the PTO shaft is protected over its entire length. Ensure that PTO shaft spins easily inside the protective tube. Hold the spline groove clean and well lubricated so that the drive shaft can be connected easily.

Read PTO shaft manual before adjusting and using the PTO shaft.



Never use a tool or product with defect safety equipment.

Warning!

RISKS AND HAZARDS OF USE OF MOWING MACHINE

Risk of crushing

Bystanders may be injured when the machine is lowered to the cutting position. The machine has crushing points around the hinge areas and between the three-point hitch mount and the main body.

Rotating blades

All persons will be at risk of injury if they stick out their hands or feet under the machine when it is lifted from the ground and the blades are rotating.

Risk of pinching or risk of trapping body parts

This risk is common in transmission devices such as belt drives, gears and rollers. Ensure that all guards are fitted correctly.

Risk during disengaging of the machine

The heavier the rotating part is, the longer it will continue to rotate after the drive has been switched off. This feature is called "free-wheeling". Rotating blades and other components, such as drive shafts, etc. will continue to spin after the drive has been disconnected. Damages:

- When the operator releases the equipment, and try to clean or adjust the machine before the components have stopped rotating.
- When the shear bolt in the protective device in the power take breaks and rotors still spinning while the PTO has stopped. Operator's awareness is the key to safety around rotating parts. Do not raise the machine while the blades are rotating.

Risk of ejecting objects

Machines that mows throws out material while driving. Foreign objects such as rocks, sticks and other debris can get into the machine and ejected with tremendous speed. Cover the sides and the front prevents these objects to be thrown out but it does not always guarantee that the guards catch everything that is thrown out.



Bystanders or animals that stand in the way of the projected object can be seriously damaged. Never bystanders within the vicinity of the machine. Respect the machine's danger zone. **Danger zone 25m!**

Noise

Please note that the machine is normally used outdoors and that the position of the operator is in the driving seat of the tractor. It is advisable to read the regulations specified in the tractor manual and maintenance instructions.

The sound pressure level exceeds 70 dB during operation. Hearing protection should be used while driving.

Accidents involving slips and falls

Accidents involving slips and falls often happens as the result of:

- Slippery surface
- Uneven steps and platforms

The potential for slip-and-fall accidents can be significantly reduced by using good judgment. All unprotected rotating machinery is a potential for accidents. Damage usually occurs when loose clothing or long hair caught and wrapped around rotating parts such as transmission shafts or drive shafts on the machine. Make sure all guards are fitted.

Drive safely on public roads

Always follow traffic safety on public roads and follow the rules applies for driving tractor with towed equipment gear on public road.

Make sure reflectors, warning and / or warning flag that indicates protruding equipment is mounted on the machine or tractor. These indicators must be installed properly and must be visible and easily seen by the driver of the second vehicle.

Spectators must not lean on or climb on the machine during transport or during work.

NEVER allow anyone to ride on the machine!

The maximum transport speed should not exceed 20km /h

INCASE OF EMERGENCIES

In case of an emergency please dial 112.

Keep cell phone or emergency phone available specially when working alone. First aid kit and fire extinguishers must be kept easily accessible during all work, maintenance and service.

PERSONAL PROTECTION

Always use appropriate protective equipment. Do not wear loose clothing or jewelry when working with the implement.



SURROUNDINGS

Make sure your working area is clear from people, children and objects before installing and using the machine. Risk of serious injuries can occur during operation. Take an extra caution when children are in the area where the equipment/ product is being use or stored. Check the area for low hanging electrical wires. Be careful when working on slopes and near ditches. Always work alone with single - purpose tools/products. Never have junk lying in your area. Keep working areas clean. Always respect the risk zone.



Children in the area should be supervised.

DANGER!

WARNING LABELS

Make sure that the warning labels are always visible, clean the warning labels if necessary. Do not wash with high pressure washer directly on the warning label. If any part of the decal is worn or label becomes frayed or otherwise unreadable, order new decals.

SYMBOL	EXPLANATION
	Read the instruction manual! Before work begins Warning! Before maintenance, service, disconnecting and connecting of the machine the tractor's engine should be switched off and the ignition key removed.
	Danger zone 25 m Warning! Ejection of objects
	Rotating PTO- shaft!
 <p>VARNING ROTERANDE KNIVAR  Kellfri 07 6611-342 SE</p>	Rotating knives !
	Prohibition to be on the machine
  <p>KELLFRI AB Munkatorpsg. 6, 553 07 Skara, Sweden Tel. 0511-242 50, Fax. 0511-16833</p>	Warning! Accident risk for children
	The equipment is CE-marked

BEFORE USE

Read the safety information and instruction manual carefully. Be sure you understand the safety measures, instruction manual and warning labels. Use common sense when operating the machine and use appropriate personal protective equipment.

Always check the performance and the machine combination that are used. It's highly important these matches in a satisfactory manner. This is to ensure the product or the function and most important yours and others safety. Do visual inspection of equipment or product before use. Fix or replace damaged or worn parts immediately to reduce the risk of injury. Lubricate moving parts and check that all screw-nuts and bolts are tightened.

Learn and remember the correct working methods. Beginners should always keep a low speed, use extreme caution before routine and product knowledge is achieved. The user/customer is responsible to handle the situation correctly. The product should not be taken into use unless it can be done in a safe way for the user.

Read the tractor's manual before connecting implements.



For safety, this product should only be used in the manner described in this manual. The user is responsible for the instruction to be read through and followed

Warning!

OPERATING THE MACHINE

Only people who understand the safety information and instructions in this manual may operate the equipment. Be alert and careful when working with the machine and only use the tool or product in the manner described in this manual.

When working with equipment that has moving parts, there is always the risk of injury. Be careful when working with equipment equipped with hydraulic hoses ,oil under pressure can penetrate the skin. Seek medical attention immediately if this occurs. Always work alone with the tools that are defined as single purpose tools. Respect the equipment's risk zone. Maneuvering is done from the driver's seat



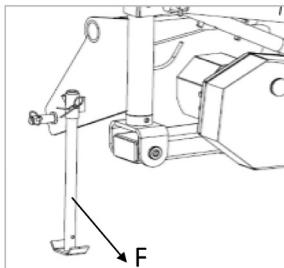
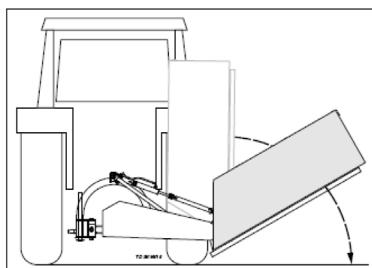
IMPORTANT! CHECK AND RETIGHTEN ALL THE BOLTS AROUND THE BEAM BEFORE DRIVING. TIGHTEN BOLTS SECURELY. THE BOLTS ARE TIGHTENED AGAIN AFTER 8 HOURS OF DRIVING TO ENSURE THAT THE BOLTS ARE SEATED! ALSO CHECK THE OIL LEVEL IN THE BEAM, FILL IF NECESSARY.

Connecting the equipment

- Lowered the tractor's three-point hitch until it is at the same height as the machine's three-point linkage
- Connect the machine to the tractor's rear three-point hitch.
- Connect PTO Anchor the chain well. Make sure the chain do not hang carelessly or somehow get caught in machine during operation
- NOTE! Check that transport safety device is removed before the operation begins.
- Connect the hydraulic hoses. Jack up the equipment and check the function.
- Ready for use.

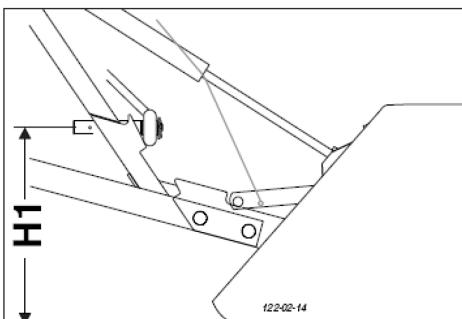
Disconnecting:

- Lower the machine and set the mower on the ground (Figure 1)
- Important! Ensure that the outriggers - F (picture 2) stands firmly on the ground before disconnecting the machine from the tractor
- Disconnect hydraulic couplings, IMPORTANT! Make sure that there is no pressure remaining in the system before disconnecting the hydraulic hoses.
- Disconnect the PTO and then the machine from the tractor.



OPERATION

- Remove the transport lock
- Tip the mower to the ground
- Adjust the height of the hydraulic arms on the tractor ($H1 = 400-420$ mm)
- Straighten the protective cloth over the cutter bar



The machine is designed to cut grass. adjust the speed and the engine speed of the PTO to the prevailing conditions. the machine should not be operated at outside temperature of 30 degrees or higher.

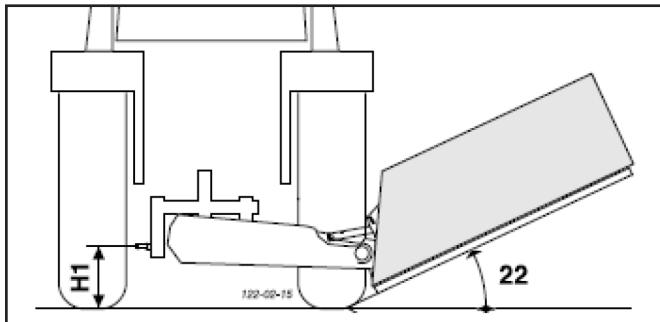
Before you start working check the points below:

- Condition of the blades
- Drums - wear or damage
- PTO- wear or damage
- Hydraulic hoses and hydraulic cylinder - condition and leakage
- Bolting - the whole machine, especially the beam

Safety during operation

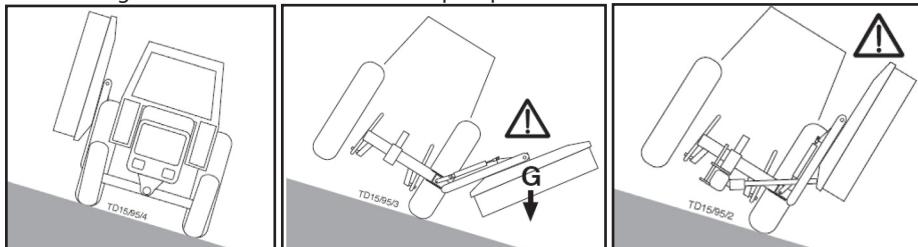
- Start the machine only when it is in operating mode and only if all guards are correctly fitted
- Check the area to be mowed, remove everything that can be an obstacle or things that can damage or get caught in the blades during operation eg. large stones, pieces of wood etc.
- Upon a collision or if the machine hits an obstacle. Stop the machine immediately and check whether damage has occurred.
- Always check that there isn't anyone within danger zone
- Use hearing protection during operation.

The cutter bar can be tilted 21 °, the drive shaft does not need to be disconnected and the height of the tractor's hydraulic adjustment is not required.



Be careful when changing direction on slopes or on hills

- The tractor's driving ability is affected by the weight of the machine. This can lead to dangerous situations, especially on slopes.
- Danger can arise when the tractor is on a slope.
- When turning to the left and the machine is uplifted
- Turning left and the machine is in transport position.



Adjust cutting height by turning the top link (no.16)

Max tilt of the rotor disc is 5 °

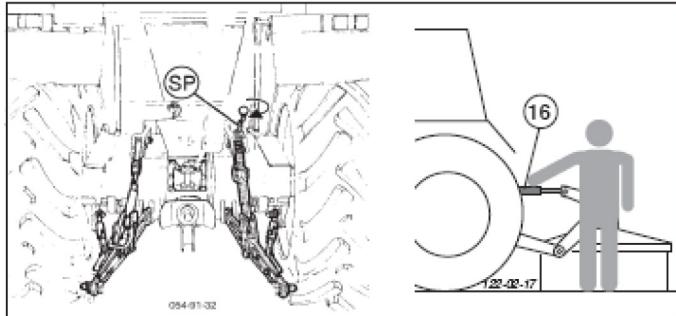


FIGURE 1

ROTOR bar can be tilted +90° och -30°

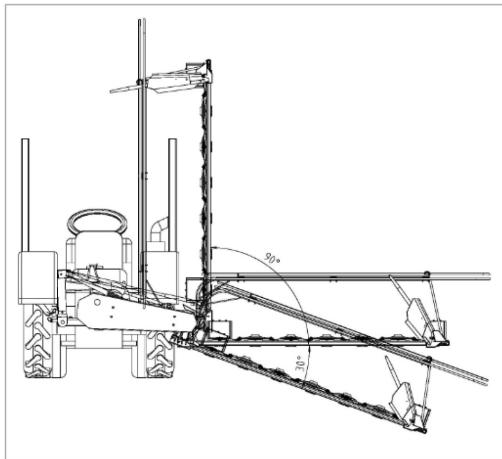


FIGURE 2

Always check the surroundings before adjusting the bar angle. Make sure you do not hit any obstacles

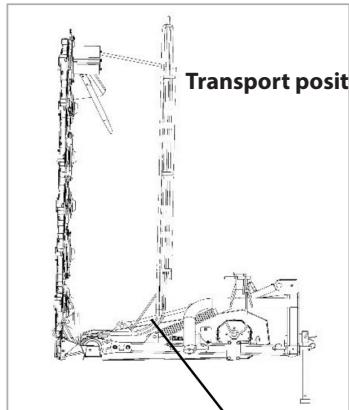
After use

- Parking is not allowed with the equipment above ground, always park the tractor with the implement resting on the ground.
- Rinse the equipment if necessary. Do not use high-pressure wash, pressure can damage bearings and water can creep into the vital parts of the machine. Risk of corrosion damage

TRANSPORT AND STORING

Make sure there are no people, children and foreign objects around the area before transporting the machine. Always take an extra caution during the transport. Ensure that the product is well secured and that transport brackets are mounted. Always place the load as low as possible. Respect the danger zone even during transport. When lifting the equipment, never go underneath suspended loads. Trailer used for transport should have working brakes.

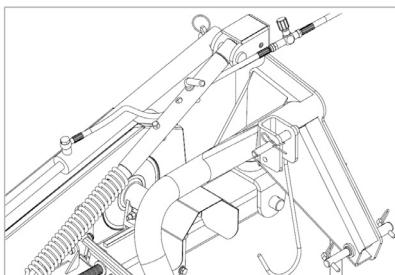
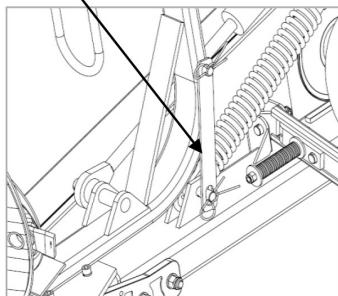
Always store the machine in a dry place preferably underneath a cover when not in use. Ensure that the product is stable and not likely to tip over. Never let children play where the machine is being stored. Always keep in mind the risk of tipping!



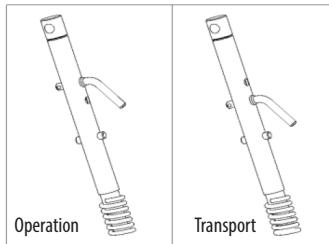
Transport position



When changing from transport to working position. Make sure that there are no one in the risk zone. May only be carried out when the tractor is on a stable flat surface



Fix the lower link so that it cannot swing out sideways



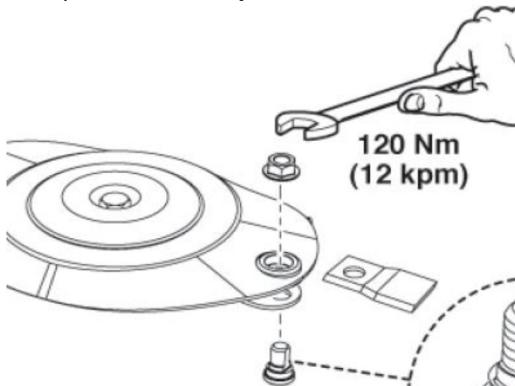
MAINTENANCE AND SERVICE

Always turn off the tractor engine before maintenance or servicing. Ensure that the unit is stable and cannot tip over during maintenance and service. Replace damaged or worn parts immediately to reduce the risk of abrasion. Always perform maintenance, service and inspection, as recommended. Use only original replacement parts or spare parts with equivalent performance to reduce the risk of damage. All repairs and connections with electricity must be performed by a qualified person.

- Check all nuts and bolts are tightened after performing maintenance and service.
- Always test the machine before using it.
- Check hoses and couplings after 10 hours of driving and then after every 50 hours of driving

Check before operation

- The oil level, top up if necessary
- Wear or damage of hydraulic hoses, always replace damaged hydraulic hoses. Normal service life of hydraulic hoses is 5-6 years, it is important that the hydraulic hoses are replaced before they break.



Replace damaged blades immediately when damage is discovered.

For spare parts and accessories, please contact your retailer



IT IS IMPORTANT TO SERVICE THE MACHINE BEFORE IT IS STORED AFTER THE SEASON.
CHECK AND RECTIFY ANY DEFECTS. CLEAN THE MACHINE PROPERLY AND LUBRICATE ALL LUBRICATION POINTS.

RECYCLING

Disposal of the product, disassemble and transport to the municipality's recycling station. Contact your local authority for further information.

CUTTING BAR OIL CHANGE / OIL FILLING



ROTARY DISC

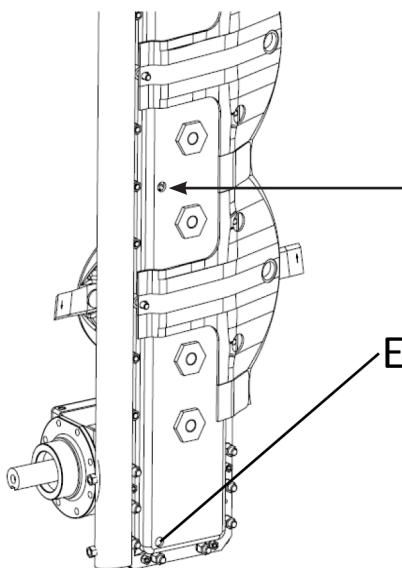
FILL WITH GEAR OIL 80/90
Oil Capacity In The Bar

35-RS165HN	2,1 L
35-RS210HN	3L
35-RS250HN	3,5L
35-RS290HN	4L

Intervals: Change oil after 100h of operation



Filling up the bar with oil must be performed with the bar in the raised position (transport position)



D Filling:

Set the bar in the "UP" position, then fill the bar with gear oil (D)

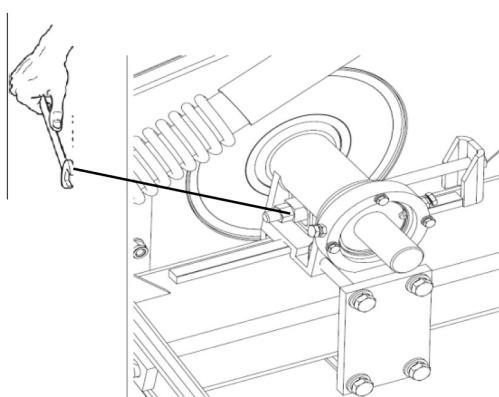
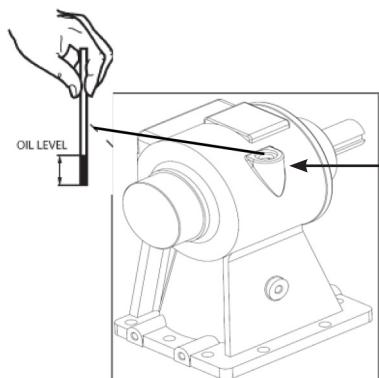
Draining:

Remove the drain plug (E) and tip the bar in the working position. Drain oil in a suitable container.

CHANGING THE OIL / FILLING THE GEARBOX ROTARY DISC MOWER



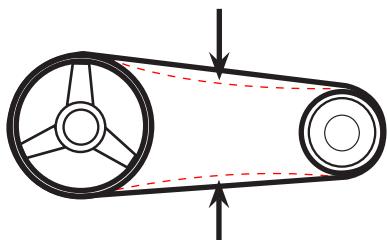
- Adding oil.
- Oil volume 0.9 L (gear 80/90)
- Checking the oil level
- Interval: first oil change at 1h driving after every 100h of operation or once a year.



Belt: Adjust the belt tension

Interval:

After 1h of operation
After 5 hours of operation
After every 20 hours then
tightened the belt when necessary



CHECK THE BELT TENSION REGULARLY

The belts should move 20mm when pressed (10mm on each side)

Problem	Measure
Mower cut unevenly or poorly	Check that the flails are not damaged and are properly secured. Adjust the support roller and make sure it is mounted correctly. Check and tighten any loose belts
Cutting noise is changed	Check roller Check the tension of drive belts Check the retaining bolts
Vibrations	Check flails
Hydraulics does not work	Check hoses and couplings

SERVICE	INTERVAL	
Flails	Before each run	Replace any defective blades. Sharp blades provide better results. When replacing, make sure bolts are tightened properly
	During operation	Listen for noises
	After each run	Check
Gearbox	Before each run	Check level
	50 operating hours	First oil change
	100 operating hours or once a year	Oil change
Rotor	Every 20h operating hours	Lubrication
Belt	After 1 hour of operation	Check and tighten the belt. The press belt should move 20 mm
Hydraulics	After each run	Make sure all hoses are intact, connected and not leaking.
Implement	After each run	Rinse soil and grass with water

MOUNTING



	Description	QTY.
A	3-point frame	1
B	Inner disc + cover	1
C	Mounting kit	1
D	Lift arm	2
E	Protection cover frame (2 parts)	1
F	Inner shoe	1
G	Side deflector bracket + Side deflector	1
H	Outrigger	1
I	Skid plate	1
I-2	Attachment to skid plate	2 Parts

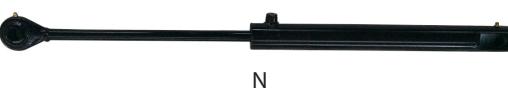
MOUNTING



L



M



N



J



Q



O



	Description	QTY.
J	Hydraulic hose	1
K	Protection cover	1
L	PTO - guard	1
M	PTO - shaft	1
N	Hydraulic cylinder	1
O	Stone/rock trigger	1
P	Stabilizer bar	1
Q	Attachment to the turn buckle + turn buckle	3 Parts

ASSEMBLY

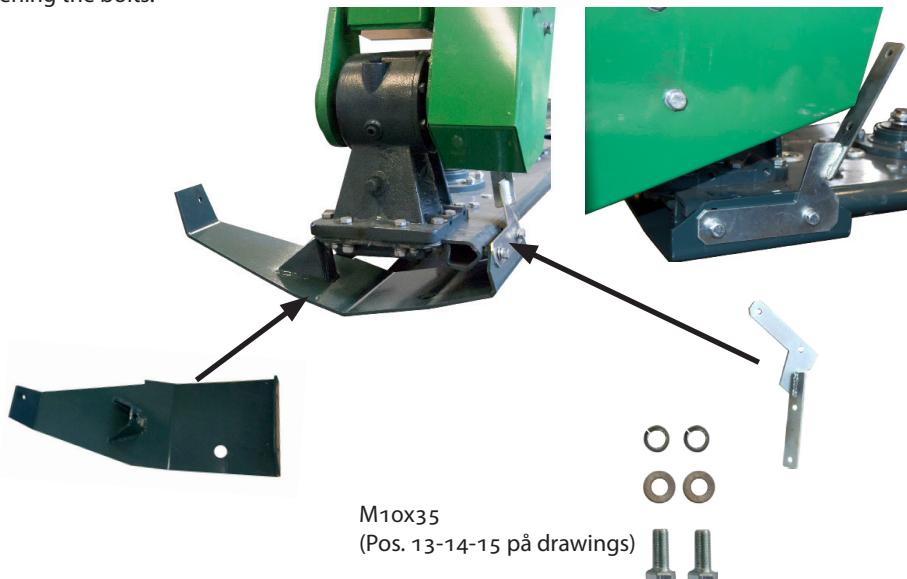
Prepare all parts. Be careful during the assembly of the machine ,there is always a risk of crushing. It is recommended that installation is carried out by at least two persons due to its weight.

Prepare all the parts for mounting the machine. Use only suitable lifting equipment to lift the machine. Make sure that the machine can not tip over during assembly. **WARNING!** No one is allowed to stand underneath the load! It is recommended to use Loctite - adhesives for locking all the threads.

- 1.) Remove all packaging material and place the cutter bar on the ground

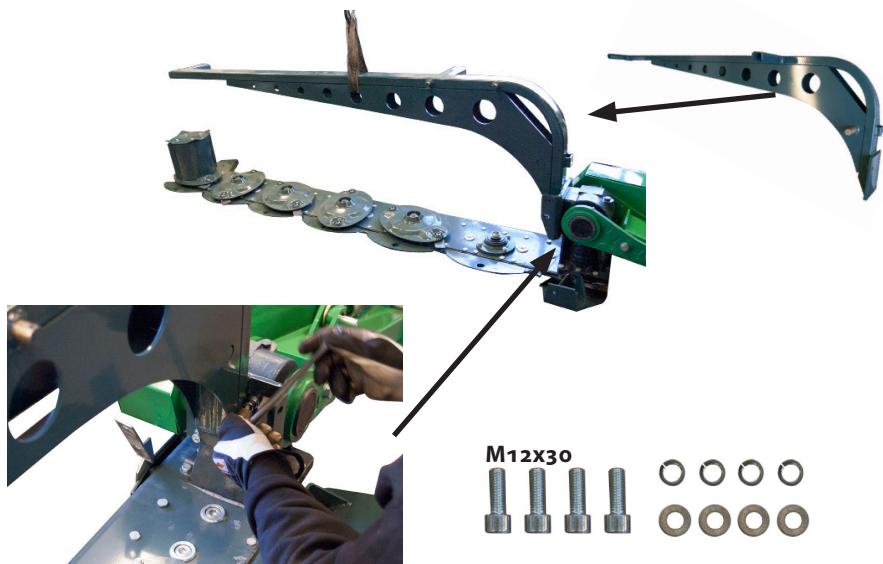


- 2.) Mount the inner shoe under the cutter bar, do not forget to attach the bracket before tightening the bolts.



ASSEMBLY

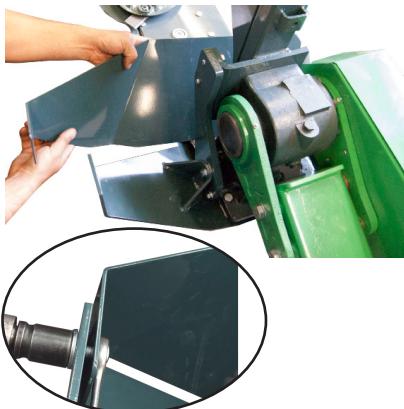
3.) Lift the arm over the cutter bar mount. Secure with 4 Hex bolts M12x30.



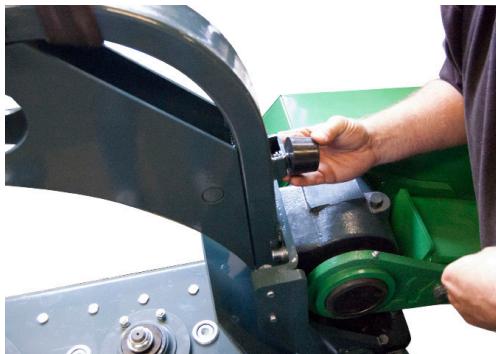
4.) Install the stabilizing plate



5.) Install the guard mounted on the inside of the inner shoe, secure with bolt M10x25, a big washer and nut M10
Pos.no. in the drawing: 11-15-16-17.



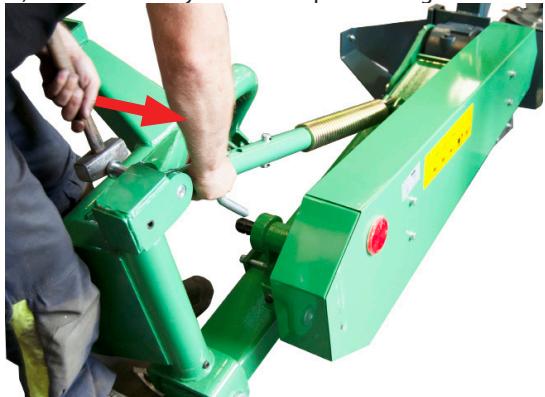
6.) Install the rubber stop, secure with locknut M10 + washer and spring washer



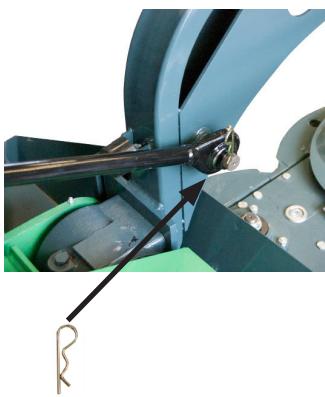
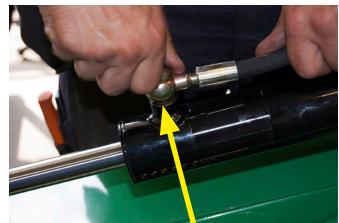
7.) Install 3-point linkage on the machine, the swivel bracket (secured with a roll pin) should be facing the machine for the installation of safety brace.



8.) Install the safety brace on 3-point linkage



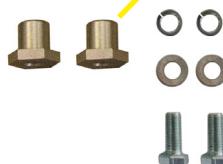
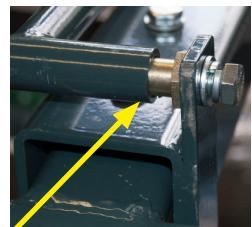
9.) Install cylinder and hydraulic hose.



10.) Mount Stone/rock trigger.

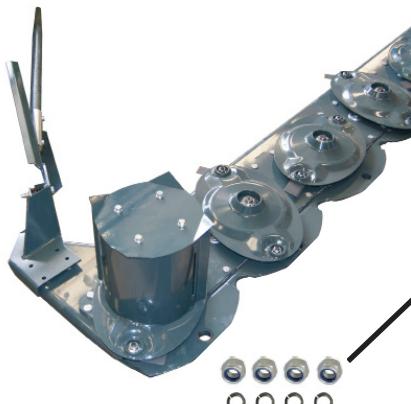


11.) Install the frame for the protective sheet



2pcs M10x35

12. Install rakes and stabilizer bar (turn buckle) as shown below:



4 pcs - M10x45



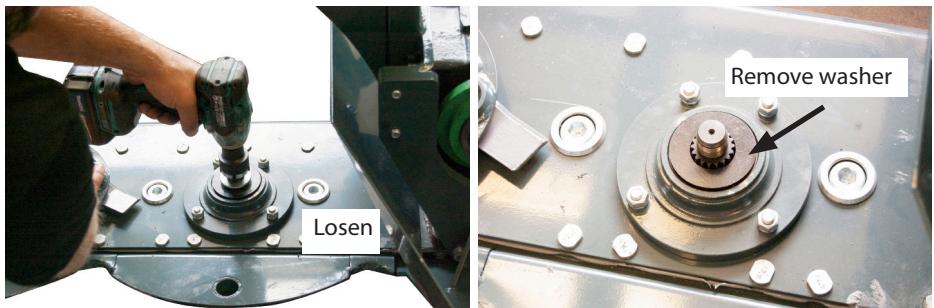
2 pcs - M10x25



2 pcs - M20x85

13) Installation of the inner rotor.

Remove the nut (special wrench is provided) and remove the washer (marked in the picture) It is important that the tower is in level with the other rotors.



Mount inner plate



Install protective cover
4 pcs - M8x20

IMPORTANT!

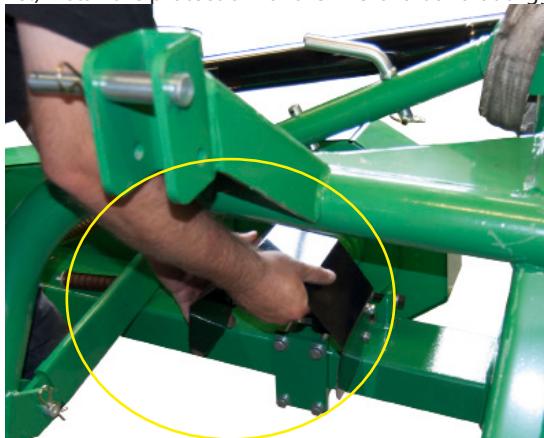
When mounting the inner disc it's very important to make sure that the angle of the disc is right. The inner disc should be 90 ° in comparison to the disc beside it to make sure they won't collide during operation. (see picture below)



14.) Locking plate during transport. Mounted between lift arm and 3-point linkage.



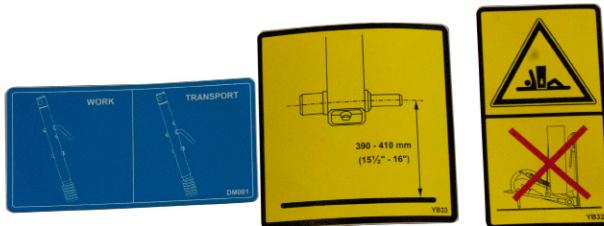
15.) Install the protection for the PTO-shaft and outrigger



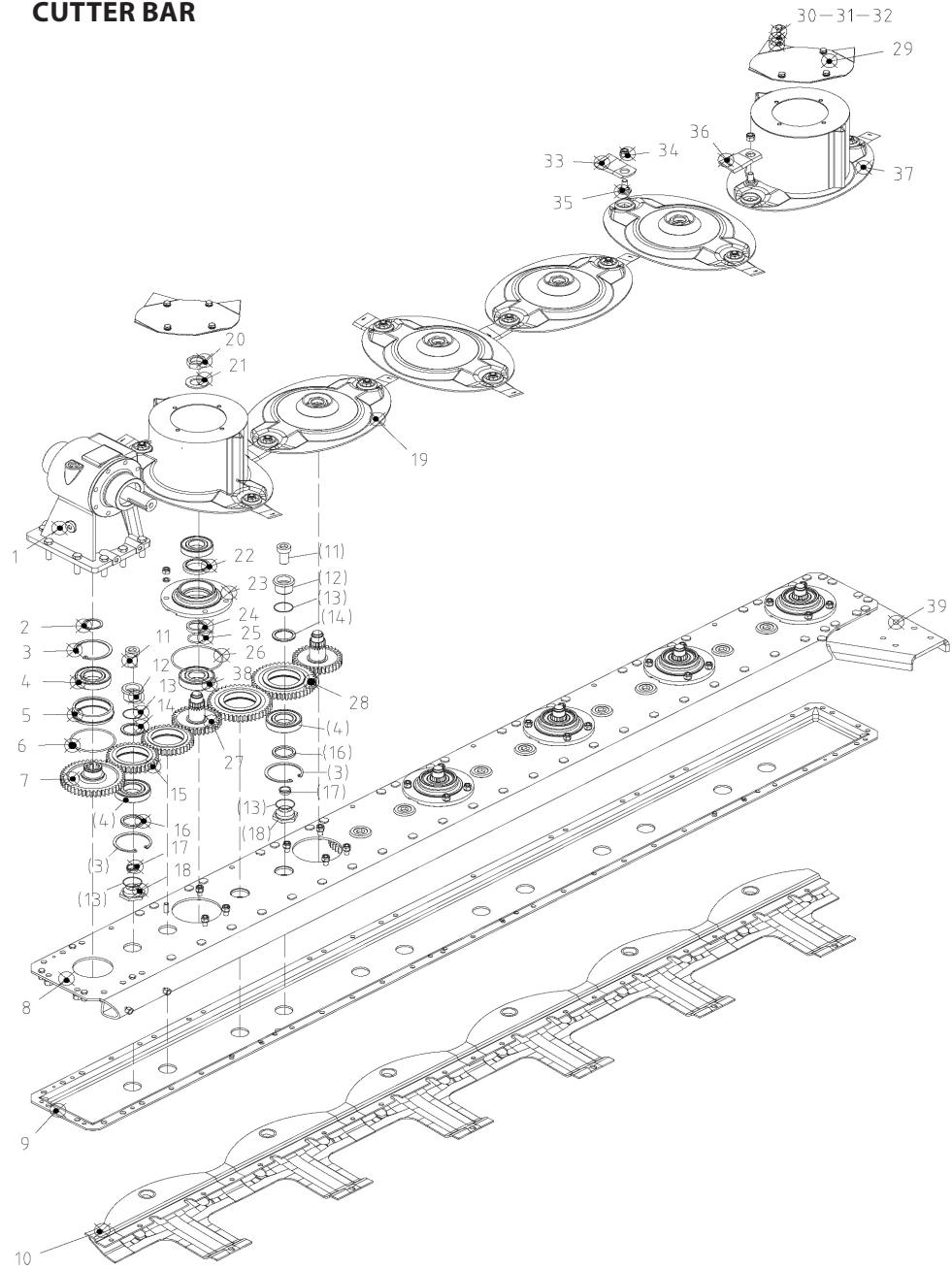
16.) Mount the sheet over the frame.



17.) Grease all lubrication points and paste the warning and information decals on the machine for example, at the 3-point linkage and the collateral taker. Lubricate all joints. Ready for use! Good luck!

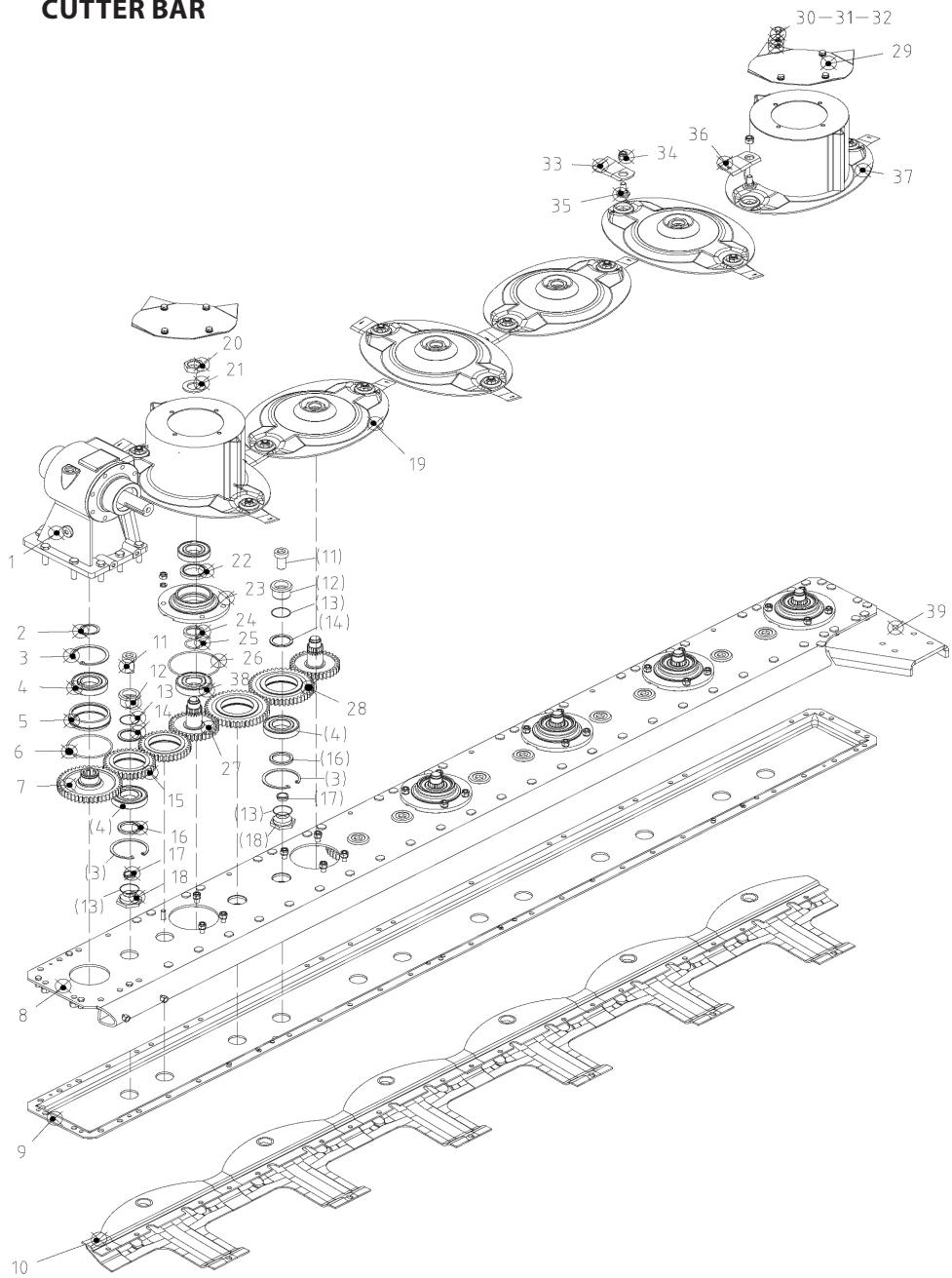


CUTTER BAR

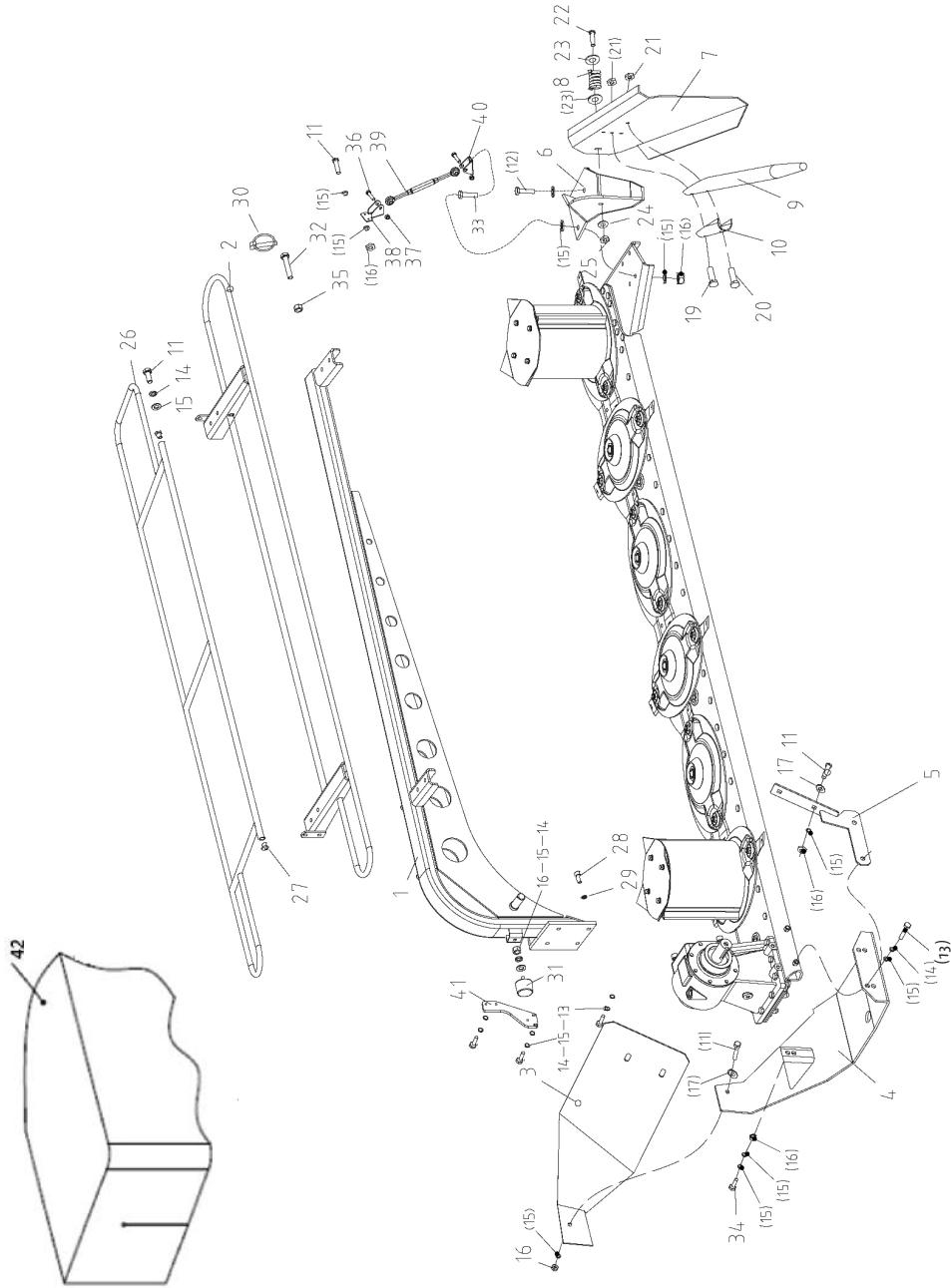


ITEM NO.	DESCRIPTION	QTY.		
		RS210	RS250	RS280
1	Gearbox		1	
2	Locking ring Ø40		1	
3	Locking ring Ø 80	9	13	11
4	Bearings 6208-C3-Z2	9	13	9
5	Bearing holder		1	
6	O-ring 105x5		1	
7	Spline gear		1	
8	Cutting bar upper cover plate	1	1	1
9	Cutting bar middle cover plate	1	1	1
10	Cutting bar lower cover plate	1	1	1
11	Bolt M20x38	11	12	17
12	Bushing	11	12	17
13	O-ring 40x1,5	22	24	34
14	Washer 52x40x3,5	8	12	8
15	Between gears	2	2	2
16	Washer 52x40x6	8	12	8
17	Collet nylon	8	12	17
18	Nut - large	11	12	17
19	Rotor Disc	4	4	5
20	Nut M25x1,5	5	6	7

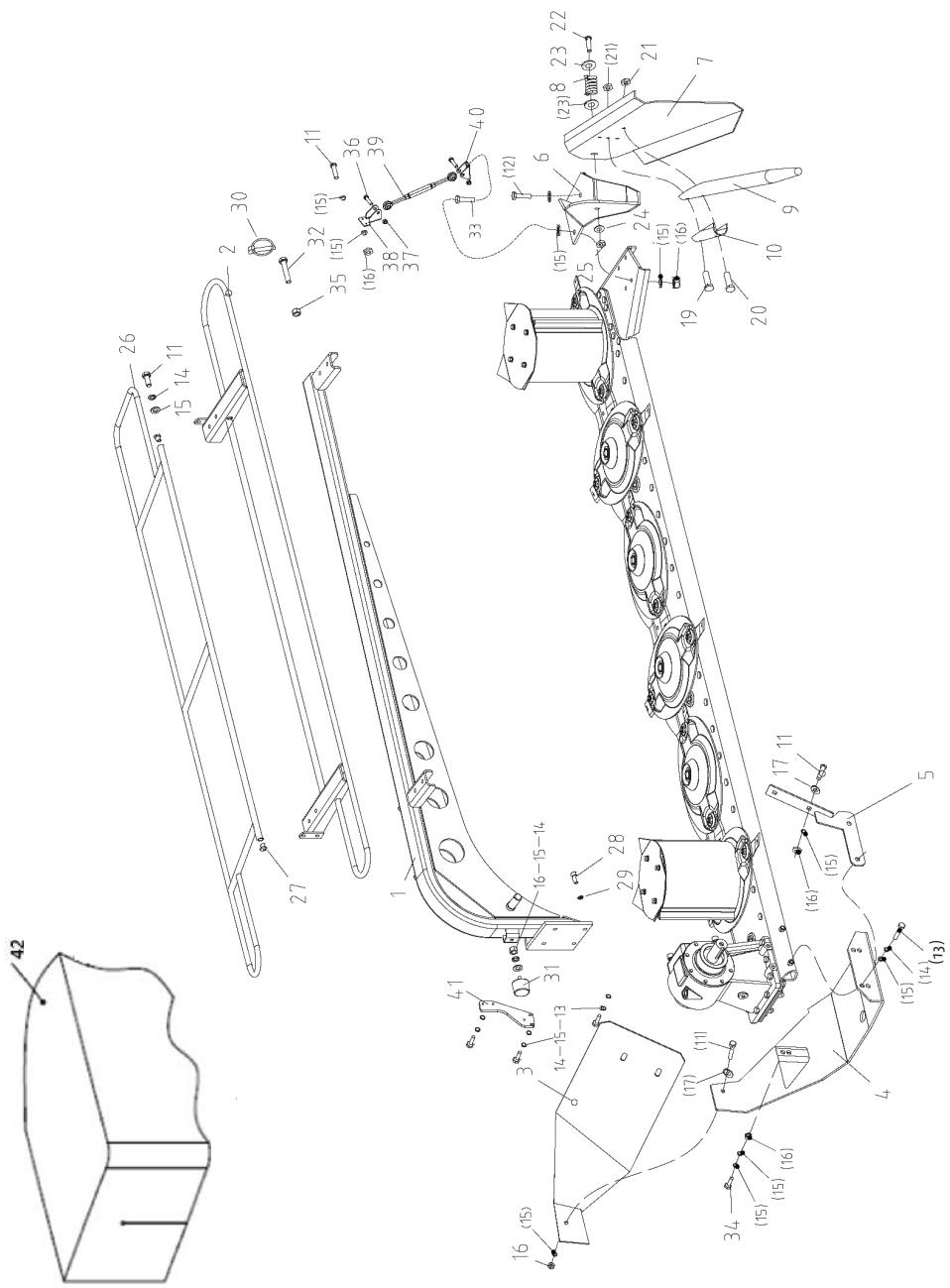
CUTTER BAR



ITEM NO.	DESCRIPTION	QTY.		
		RS210	RS250	RS280
21	Flat washer M25	5	6	7
22	Washer 45x65x7	5	6	7
23	Mowing disk connecting cover	5	6	7
24	Gear Bushing	5	6	7
25	O-ring 30x1,5	5	6	7
26	O-ring 109,6x3,1	5	6	7
27	Gears to the rotor	5	6	7
28	Between the gear Z = 34	6	10	6
29	Lid for cover	1	2	2
30	Bolt M8x20	4	8	8
31	Spring washer 8	4	8	8
32	Flat washer 8	4	8	8
33	Knife - Right	5	6	6
34	Lock nut M12	10	12	14
35	Bolt M12x16	10	12	14
36	Knife - Left	5	6	8
37	Rotary plate with protection cover	1	2	2
38	Bearings 6307-2Z	5	6	7
39	Coupling Plate - L		1	

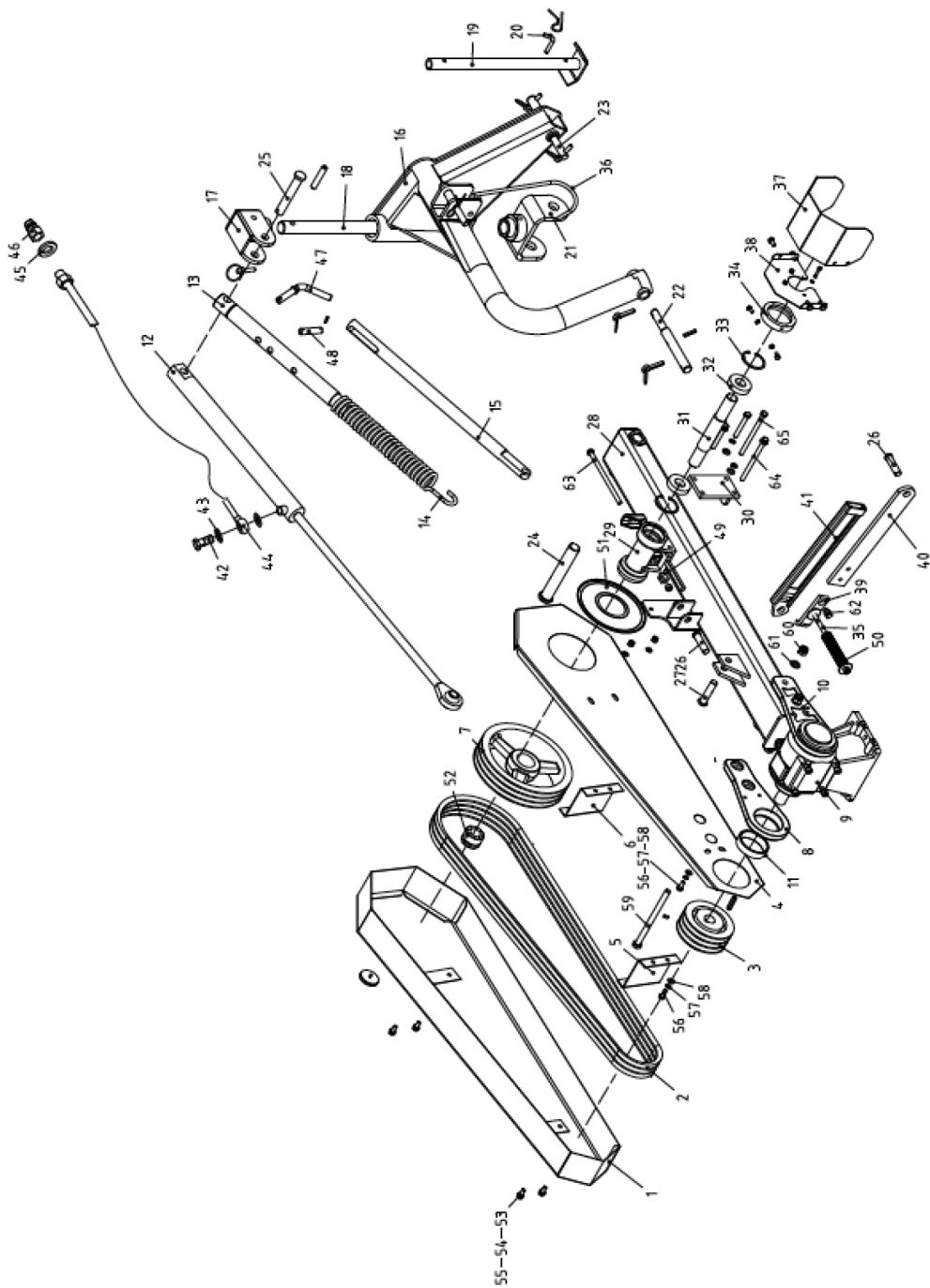


		QTY.		
ITEM NO.	DESCRIPTION	RS210	RS250	RS280
1	Cover mount	1	1	1
2	Protection Guard	1	1	1
3	Mounting plate	1	1	1
4	Mounting plate - right	1	1	1
5	Connection plate	1	1	1
6	Mount for grass collector	1	1	1
7	Grass collectetor	1	1	1
8	Pressure spring 6 * 25 * 48	1	1	1
9	Swather	1	1	1
10	Mount for rakes	1	1	1
11	Bolt M10 * 25	7	7	7
12	Bolt M10 * 40	5	5	5
13	Bolt M10 * 35	2	2	2
14	Spring washer 10	6	6	6
15	Flat washer 10	18	18	18
16	Lock nut M10	7	7	7
17	Washer 10	2	2	2
19	Bolt M8 * 35	1	1	1
20	Bolt M8 * 55	1	1	1
21	M8 lock nut	2	2	2
22	Bolt M12 * 90	1	1	1
23	Washer 12	2	2	2
24	Flat washer 12	9	9	9
25	Lock nut M12	5	5	5



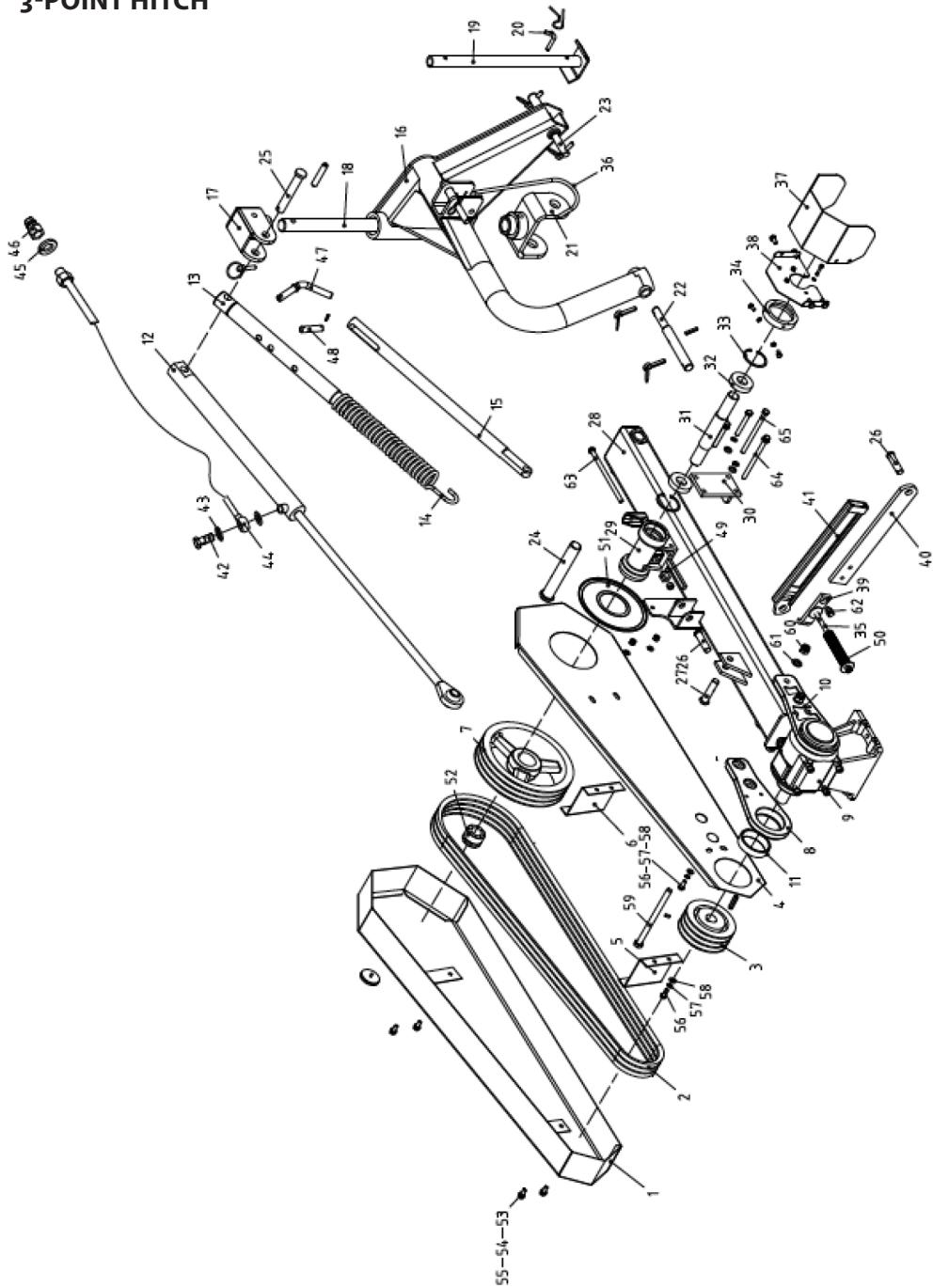
QTY.

ITEM NO.	DESCRIPTION	RS210	RS250	RS280
26	Frame for protective sheet	1	1	1
27	Special nut	2	2	2
28	Hex bolt M12 * 30	4	4	4
29	M12 bolt	4	4	4
30	Locking pin 8	1	1	1
31	Rubber plug	1	1	1
32	Bolt M10 * 55	2	2	2
33	Bolt M10 * 45	2	2	2
34	Bolt M10 * 50	1	1	1
35	Lock nut M10	2	2	2
36	Bolt M20x85	2	2	2
37	Lock nut M20	2	2	2
38	Connection plate	1	1	1
39	Turnbuckle	1	1	1
40	Connection bracket - lower	1	1	1
41	Side plate	1	1	1
42	Protective sheet	1	1	1

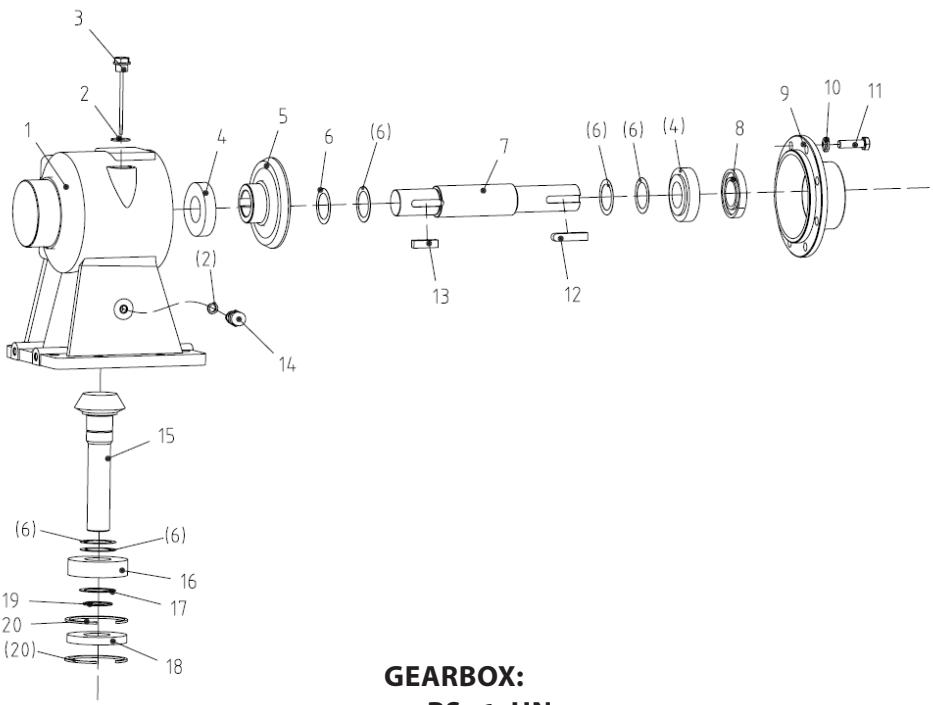


ITEM NO.	DESCRIPTION	QTY.	RS210	RS250	RS280
1	Belt protective cover	1	1	1	
2	Gear belt BX-104	3	4	4	
3	Small pulley	1	1	1	
4	Pulley cover	1	1	1	
5	Metal bracket - right		1		
6	Metal bracket - left		1		
7	Large pulley		1		
8	Pivot (splint) 'Left		1		
9	Gearbox		1		
10	Pivot (splint) -Right		1		
11	Bearing 90 * 95 * 26		2		
12	Cylinder		1		
13	Safety Rod		1		
14	Spring		1		
15	Shaft		1		
16	Frame		1		
17	Swivel bracket		1		
18	Main rotation Shaft		1		
19	Foot		1		
20	L-pin		1		
21	Rotating arm		1		
22	Left suspension pin		1		
23	Locking pin		1		
24	Pin		1		
25	The cylinder pin		1		
26	Locking pin		1		
27	Locking pin		1		
28	Main frame		1		
29	Bearing housing to the big pulley		1		
30	Attachment		1		
31	Large belt disc shaft		1		

3-POINT HITCH



ITEM NO.	DESCRIPTION	QTY.	RS210	RS250	RS280
32	Deep groove ball bearings 6207-2RS-C3-Z2	2			
33	Lock ring 72	2			
34	Dust protective collar	1			
35	Double screw safety device	1			
36	Hook	1			
37	PTO-shaft protection	1			
38	mounting plate	1			
39	The positioning plate	1			
40	Safety connecting rod	1			
41	Security bar	1			
42	Banjo bolt	1			
43	Tredo washer M16	2			
44	Hydraulic Hose	1			
45	Return valve G1 / 2	1			
46	Quick coupling G1 / 2	1			
47	Adjustment pin	1			
48	Lock Pin	1			
49	Square nut M12	1			
50	Spring bolt M12 (29 * 13 * 3)	36			
51	Pulley ring plate	1			
52	Clamping sleeve 35 * 60 * 45	1			
53	Hex bolt M10 * 25	8			
54	Flat washer 10	8			
55	Spring washer 10	8			
56	Hex bolt M12 * 35	1			
57	Spring washer 12	1			
58	Lock washer 12	1			
59	Bolt M16 * 230	2			
60	Lock nut M16	2			
61	Flat washer 16	2			
62	Guide pins	1			
63	Bolt m12 * 220	1			
64	Bolt m12 * 170	2			
65	Bolt M12 * 90	2			



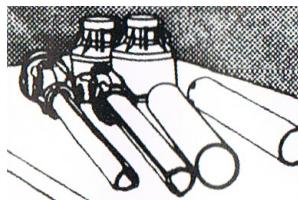
GEARBOX:
35-RS165HN
35-RS210HN
35-RS250HN
35-RS290HN

GEAR BOX

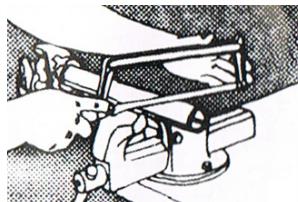
ITEM NO.	DESCRIPTION	QTY.
1	Gearbox	1
2	Washer 16	2
3	Dipstick - the oil filling (ventilation)	1
4	Tapered roller bearing 30207	2
5	Bevel gear	1
6	Axis washer	6
7	Axis	1
8	Oil seal 35 * 65 * 12	1
9	Protective cover for gearbox	1
10	Spring washer 10	4
11	Bolt M10 * 25	4
12	Key C10 * 8 * 50	1
13	Key A10 * 8 * 45	1
14	Drain plug M16 * 1.5	1
15	Gear shaft	1
16	Deep groove ball bearings 6307	1
17	Gasket	1
18	Oil seal 35 * 80 * 8	1
19	Snap ring 35	1
20	Snap ring 80	2

INSTRUCTIONS FOR SHORTENING OF THE PTO SHAFT

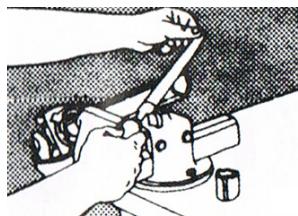
1. Remove the guard cover



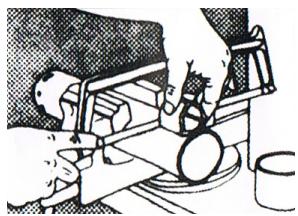
2. Cut the transmission shaft to the desired length.
NOTE! the shaft cannot be cut more than half the length of the tube



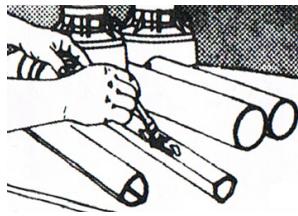
3. File outer edges



4. Cut the guard tube same length as the transmission.



5. Lubricate the transmission shaft and mount the guard.





Complaint form

We are grateful for your help pointing out any inaccuracies in the Kellfri product delivered to you. Before making a complaint read Kellfris general warranty and sales conditions in our catalog as well as the enclosed User's manual that comes with the machine.

Please fill in the details below and attach photo and other information in order to process your request.

Buyer:	Customer number:	
Address:	Invoice number:	
E-mail:	Phone nr:	
When was the product delivered?	When was the product taken into operation?	Did the product functioned as it should upon the first operation?

Defect product / part:
.....

Problem description:
.....
.....

Describe the sequence of events:
.....
.....
.....
.....

Other:
.....
.....

*Submit Complaint form and photo to:
Kellfri AB
Division of Services : Contact Kellfri retailer
Or e-mail service.
info@kellfri.se*

Signature:	Date:
------------	-------

WARRANTY TERMS AND CONDITIONS

Validity of the warranty - Kelifri's Warranty is valid 12 months from the date of purchase.

This warranty replaces - Compensation for spare parts after acknowledgment that the fault lies on the material or manufacturing defects.

This guarantee do not cover

- Labour costs
- Travel expenses
- Any modification that the buyer himself has/had made.
- Any consequential damages that occurred due to damage to the machine.
- Damage due to normal deterioration of the machine, inadequate: service, user inexperience or use of spare parts which are not original.
- Wear parts such as hoses, seals, oils, and mechanical belts



EG-FÖRSÄKRAN OM MASKINENS ÖVERENSTÄMMELSE, ORIGINAL

EC-DECLARATION OF CONFORMITY

According to 2006/42/EC, Annex 2A

Kellfri AB

Munkatorpsgatan 6
532 37 Skara, Sweden

Declares that the machine

Name: 35-RS165HN, 35-RS210HN, 35-RS250HN, 35-RS290HN

Type: Rotary disc mower

Complies with all applicable provisions of the Machinery Directive 2006/42/EC.

Other equipment must meet the hardware requirements of the Directive.

A handwritten signature in blue ink, appearing to read 'Tina Baudtler'.

Tina Baudtler, CEO 2015-09-08

Kellfri AB is constantly working on further developing their products and therefore reserves the right to modify, among other things the design and appearance without further notice.

CUSTOMER SERVICE

You are always welcome to give your feedbacks, reviews or ask us about our tools and products.

Kellfri AB

Telefon: 0046 (0)511 - 242 50

Fax: 0046 (0)511 - 168 33

E-post: info@kellfri.se

The Kellfri logo features the brand name in a large, bold, blue sans-serif font. A registered trademark symbol (®) is positioned at the top right corner of the letter 'i'.