



Kellfri®

ROTARY DISC MOWER

35-RS165HN

35-RS210HN

35-RS250HN

35-RS290HN



CAREFULLY READ THE OPERATING INSTRUCTIONS BEFORE USING THE PRODUCT!

OPERATING INSTRUCTIONS 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.

PRODUKTINFORMATION

Kellfris Rotary disc mowers are built to provide maximum operating safety with powerful bearings and gears in oil bath. It is equipped with oval disc. 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 cutterbar. The machine has a balanced cutterbar 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 rotary disc mower is supplied with two hydraulic ½ inch quick coupling male hoses.

INTENDED USE

The equipment is intended for trimming grass. Make sure no stones or obstructions in the field.



**CHECK AND TIGHTEN ALL BOLTS AROUND THE CUTTER BAR BEFORE THE OPERATION!
CHECK AND TIGHTEN THE V-BELT AFTER ONE HOUR OF DRIVING !!**

TEKNISK DATA	35-RS165HN	35-RS210HN	35-RS250HN	35-RS290HN
Width, cm	165	210	250	290
Rotor disc, st (ovala)	4	5	6 st	7
Working angle	+90 till -35 °			
PTO shaft	Standard	Standard	Standard	Standard
Power requirement, hp	40	40	50	60
Weight, kg	350	450	530	565
3-point linkage	Cat.1, kat.2	Cat..1, kat.2	Cat.1 kat.2	Cat.2
PTO -Rpm	540	540	540	540

SAFETY INFORMATION

Before using the product, please read the safety information and instruction manual and understand its contents for your own and others' safety. Always keep the safety information and instruction manual easily accessible to the user of the product. Remember that it may be good for your own and others' safety to read the safety information every now and then. If the instructions manual is damaged or otherwise unusable, please contact and order a new one from: Your retailer

The general safety instruction is also available from Kellfri's website: www.kellfri.co.uk
Do not use this equipment if you are feeling sick, tired or in influence of alcohol. Nor if you are under the influence of strong medications or drugs, suffering from strong depression or severe mental illness. Always follow the general traffic rules and regulations and the rules of the Animal Welfare Act. Persons under 15 years old and people with mental illness may not use these products.



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



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.



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.



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



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

PRODUCT SAFETY INFORMATION

Read the instruction manual carefully before using the machine.

- Do not put hands or feet under the machine without stopping the machine and the tractor's engine.
- Never leave the equipment unattended while the tractor's engine is running. Turn off the engine and apply the parking brake when you leave, even for a short moment.
- Always disengage the machine before performing service or maintenance work.
- Never leave the machine up lifted. The hydraulics can lose pressure and the implement falls down.
- Make sure that all guards are always correctly mounted and can not come loose.
- The PTO shaft must be protected over its entire length. Make sure to anchor the safety chain well.
- Only the operator is allowed in the vicinity of the machine during operation
- Check before starting operation that no rocks are sticking up on the field.
- Never exceed the PTO-shaft speed (540rpm)
- Always adjust the rotor speed for the type of work to be done
- Never use the machine if it is unbalanced.
- Do not try to remove things that stuck with the engine running. Ensure that the engine has stopped and the rotor has stopped spinning before any action is taken on the machine.



Never use faulty safety equipments!

Warning!

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 accesable during all work, maintenance and service.

PERSONAL PROTECTION

Always wear suitable clothing and footwear. Do not wear loose clothing or jewelry when using the machine. Remember to put up long hair when operating rotating machines. Wear protective gloves, to prevent risking burns on contact with hot surfaces such as exhaust system, and to avoid oil and gasoline on the skin. Hearing protection should be used when the engine is running.



WARNING SIGNS AND LABELS

Ensure that warning labels are always visible and clean. Clean the warning labels as required. Do not rinse using pressure washer directly on the warning labels. Any damage/ broken stickers should be replaced. Order new stickers from your supplier.

SYMBOL	FÖRKLARING
	Read the instruction manual! Before starting the operation. Caution! Before maintenance, service, connection and disconnection of the machine, the tractor engine must switched off and the ignition key removed.
	Risk zone 25 m Warning ejection! Keep distance!
	Rotating PTO
 VARNING ROTERANDE KNIVAR 	Rotating blades
	Warning! Keep off the machine!
 	Warning! Accident risk for children
	The equipment is CE-mark

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 used 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.



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.



USE

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 danger zone. Maneuvering is done from the driver's seat.



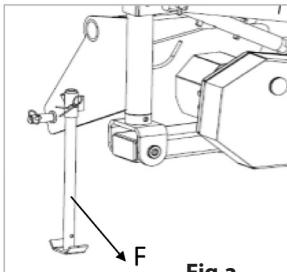
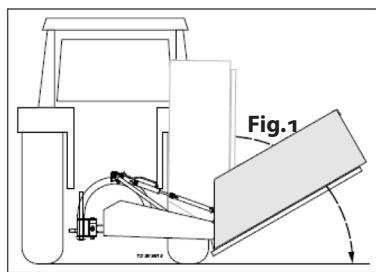
IMPORTANT! CHECK AND RETIGHTEN ALL THE BOLTS AROUND THE BAR BEFORE THE OPERATION. SECURELY TIGHTEN THE BOLTS. BOLTS SHALL BE TIGHTENED AGAIN AFTER 8 HOURS OF OPERATION TO ENSURE THAT THE BOLTS ARE TIGHTENED! CHECK ALSO THE OIL LEVEL IN THE BEAM, FILL IF NECESSARY.

Connecting the 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.

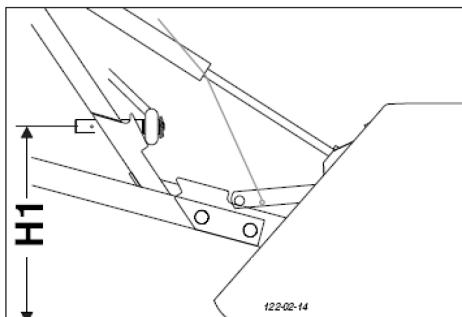


AFTER USE

- 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

OPERATION

- Remove the transport safety device
- Tip the mower on the ground
- Adjust the height of the hydraulic arms of the tractor ($H1 = 400-420$ mm)
- Adjust protective cover over the cutter bar



The machine is designed to cut grass. adjust the speed and the speed of the PTO according to circumstances. The machine should not be run at outdoor temperature above 30 degrees.

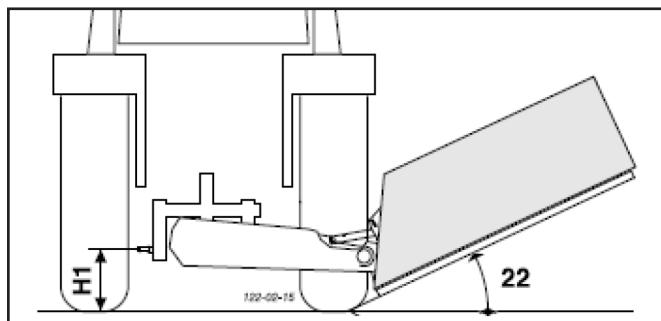
Before you start working check the points below:

- 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

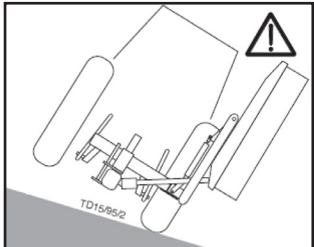
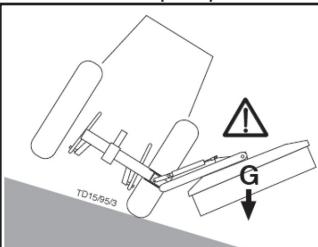
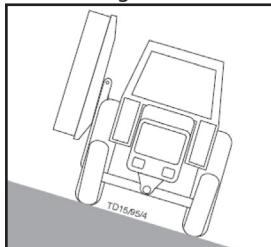
- Start the machine only when it is in operating mode and only if all guards are correctly fitted
- Check the area to be mowed, remove everything that can be an obstacle or things that can damage or get caught in the blades during operation eg. large stones, pieces of wood etc.
- Upon a collision or 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.



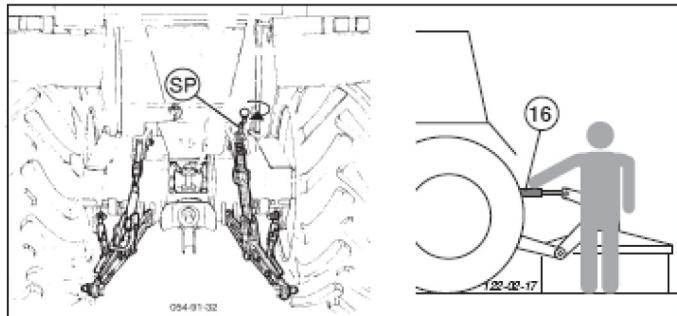
Be careful when changing direction on slopes or on hills

- 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.

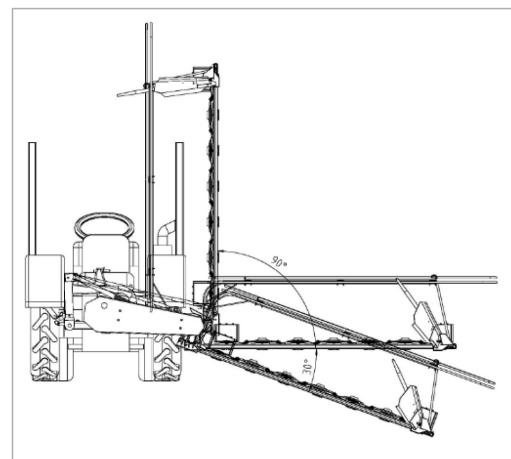


Adjust cutting height by turning the top link (no.16)

Max tilt of the rotor disc is 5 °



ROTOR bar can be tilted +90° och -30°

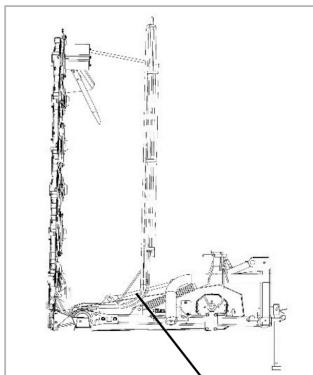


Always check the surroundings before adjusting the bar angle. Make sure you do not hit any obstacles

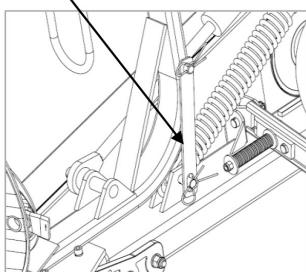
TRANSPORT AND STORING

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.

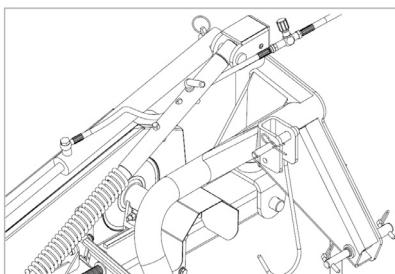
Always store the machine in a dry place preferably underneath a cover when not in use. Ensure that the product is stable and not likely to tip over. Never let children play where the machine is being stored. Always keep in mind the risk of tipping!



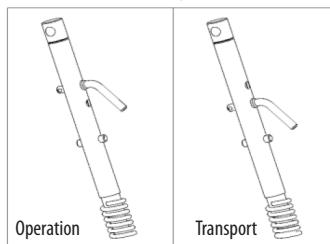
When changing from transport to working position;
Make sure that there is no one in the danger zone!
May only be carried out when the tractor is on a
stable, flat surface



Transport position



Fix the lower link so that it cannot swing out sideways



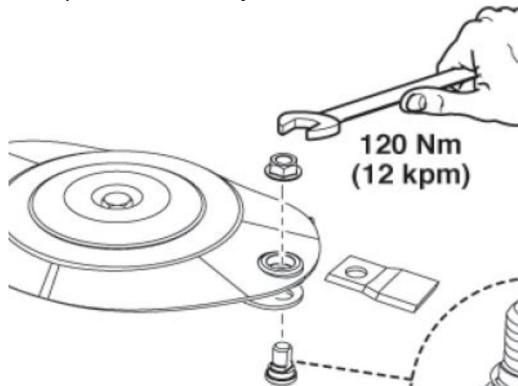
MAINTENANCE OCH SERVICE

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 FILLER



Rotary disc

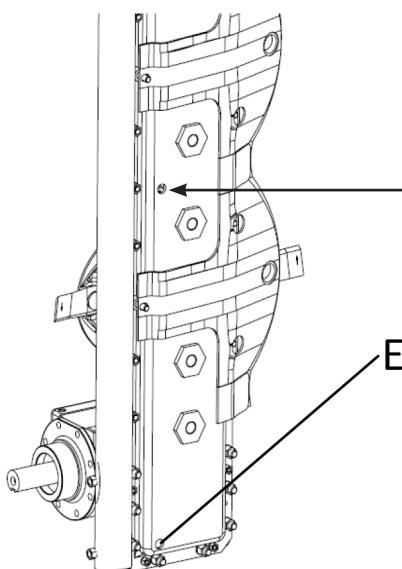
FILL WITH GEAR OIL 80/90
Oil Capacity In The Bar

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)



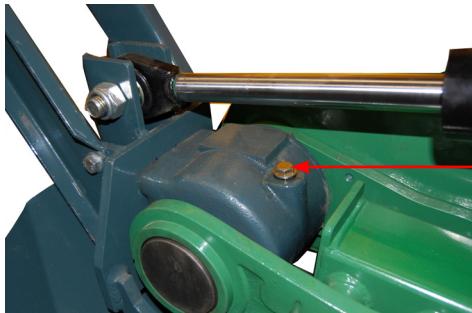
D Filling:

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

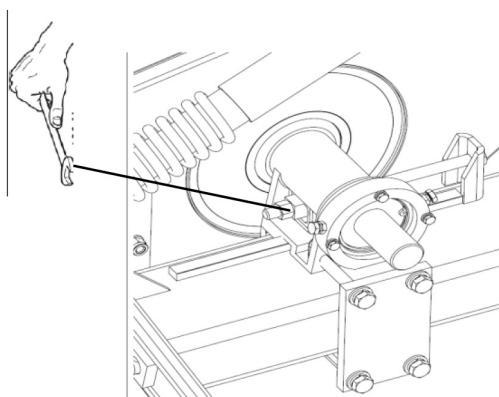
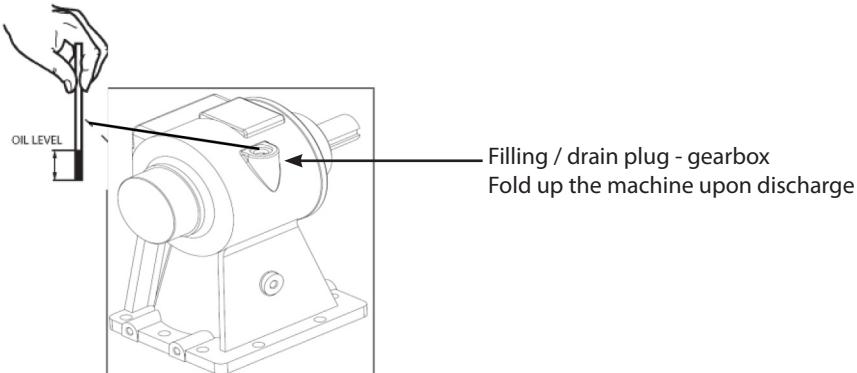
Draining:

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

OIL CHANGING / FILLING THE TRANSMISSION



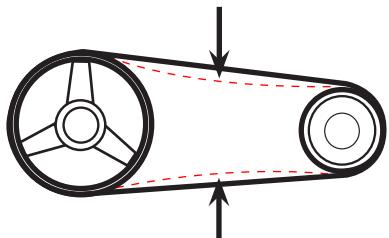
- Adding oil.
- Oil volume 0.9 L (gear 80/90)
- Checking the oil level
- Interval: first oil change at 1h driving after every 100h of operation or once a year.



Belt: Adjust the belt tension

Intervall:

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

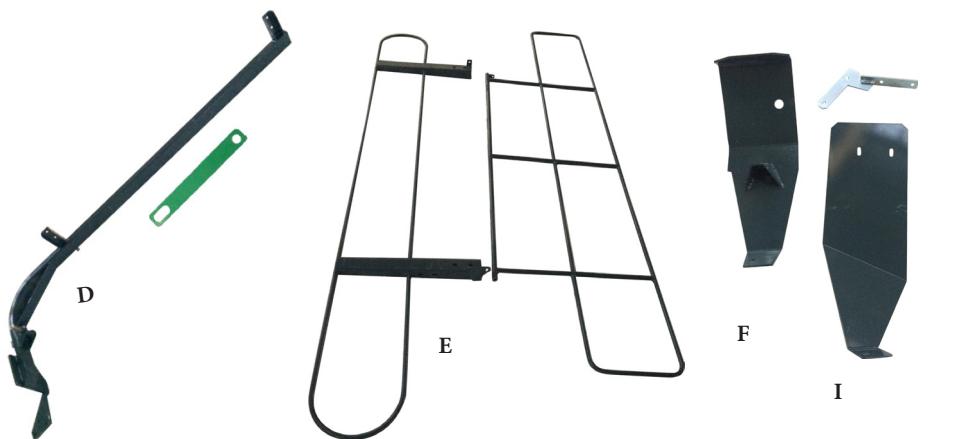
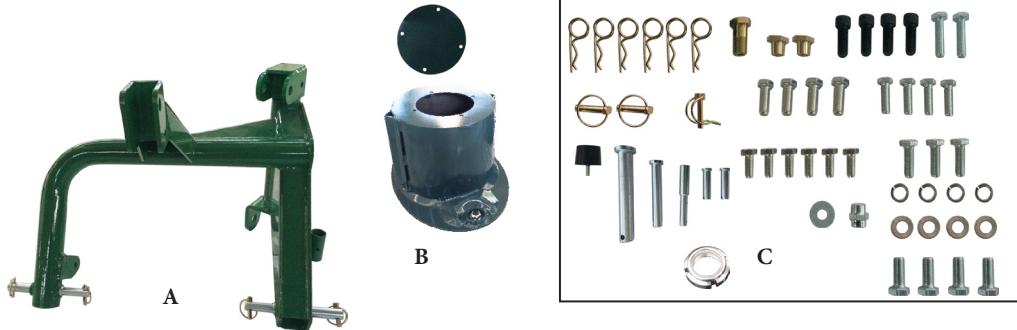


CHECK THE BELT TENSION REGULARLY

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

Error	Measure
Mower cut unevenly or poorly	Check that the flails are not damage 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	INTERVALL	
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.
Equipment	After each run	Rinse soil and gras with water



	Description	Qty.
A	3-point frame	1
B	Inner disc + cover	1
C	Mounting kit + lock nut	1
D	Cover frame bracket	2
E	Protection cover frame	1
F	Inner shoe	1
G	Side deflector bracket + Side deflector	1
H	Outrigger	1
I	Skid plate	1



K



L



M



J



N

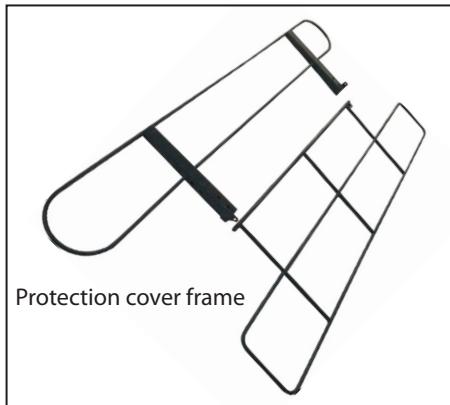


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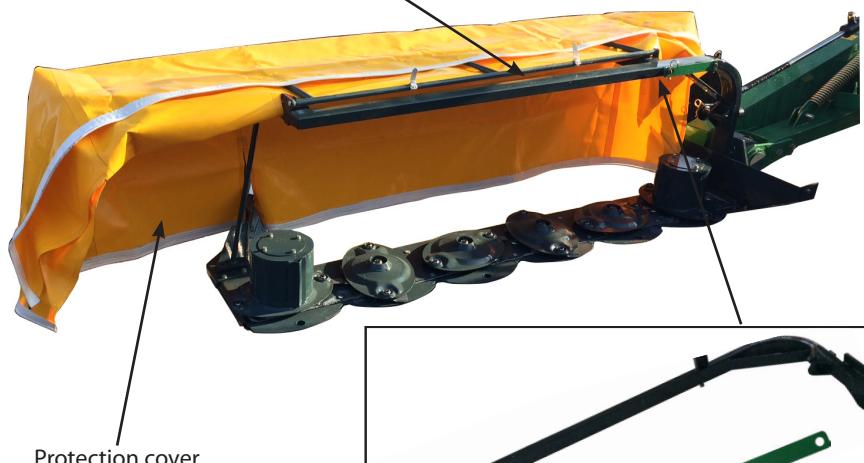


O

	Description	Qty.
J	Hydraulic hose	1
K	Protection cover	1
L	PTO - guard	1
M	PTO	1
N	Hydraulic cylinder	1
O	Stone/rock trigger	1
P	Stabilizer bar	1



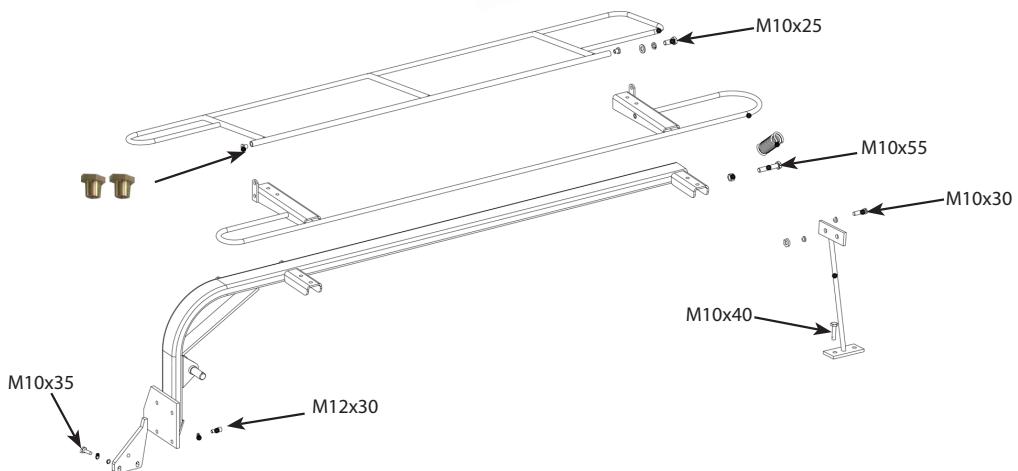
Protection cover frame



Protection cover



Protection cover frame bracket

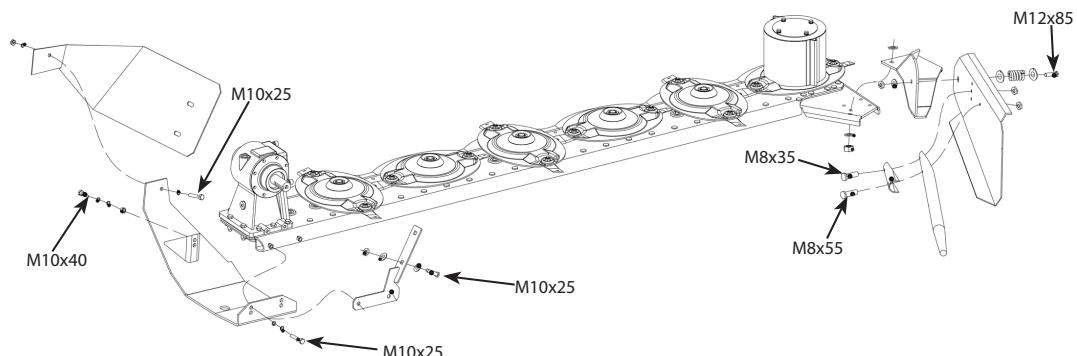


Side deflector



Protective plate

Skid

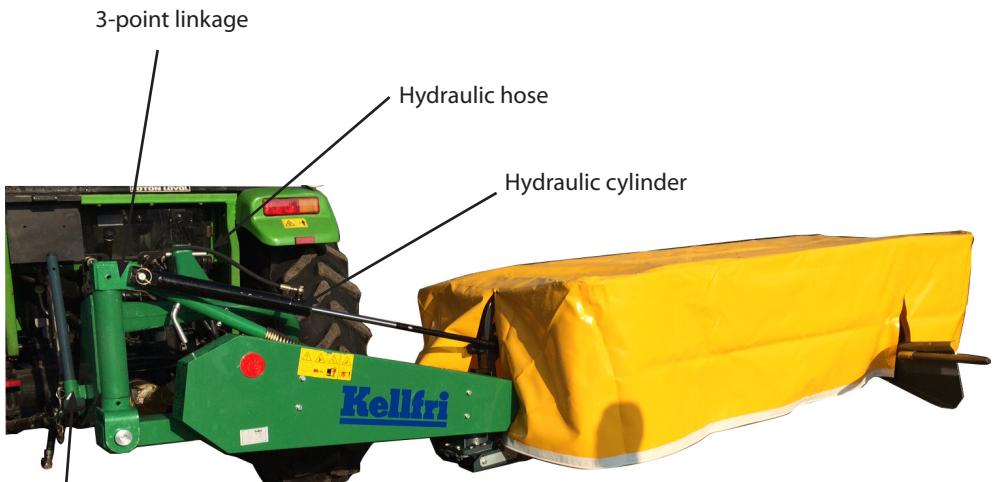




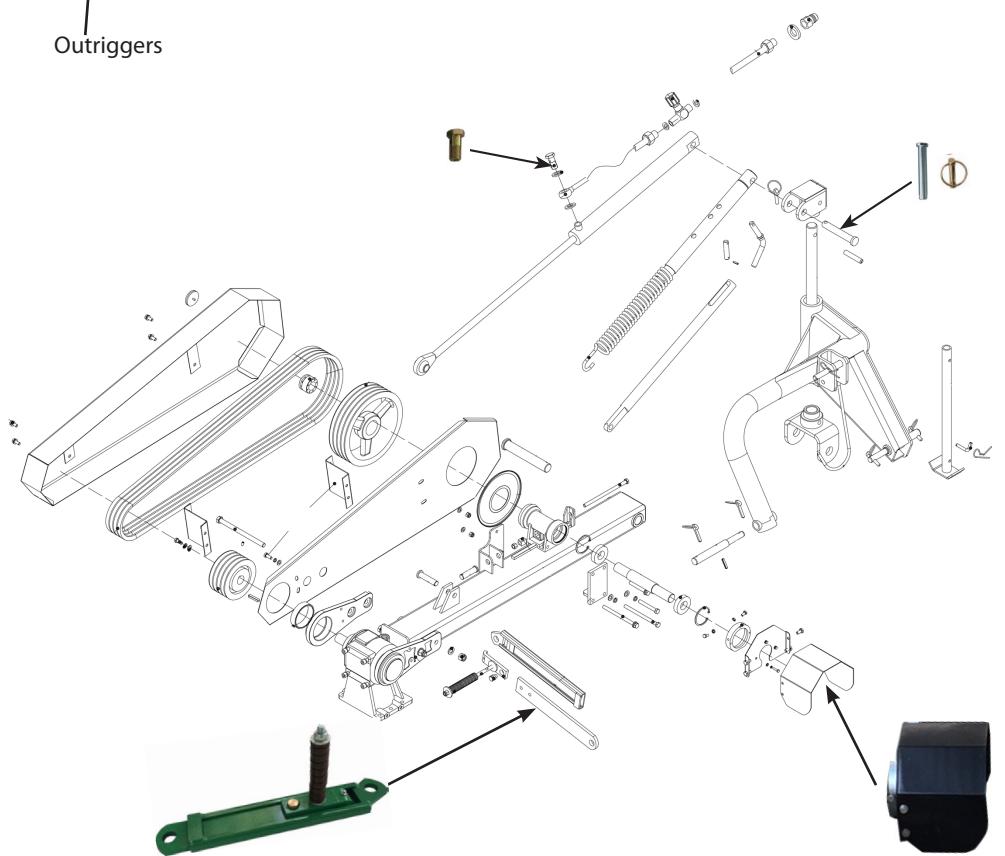
IMPORTANT!

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)

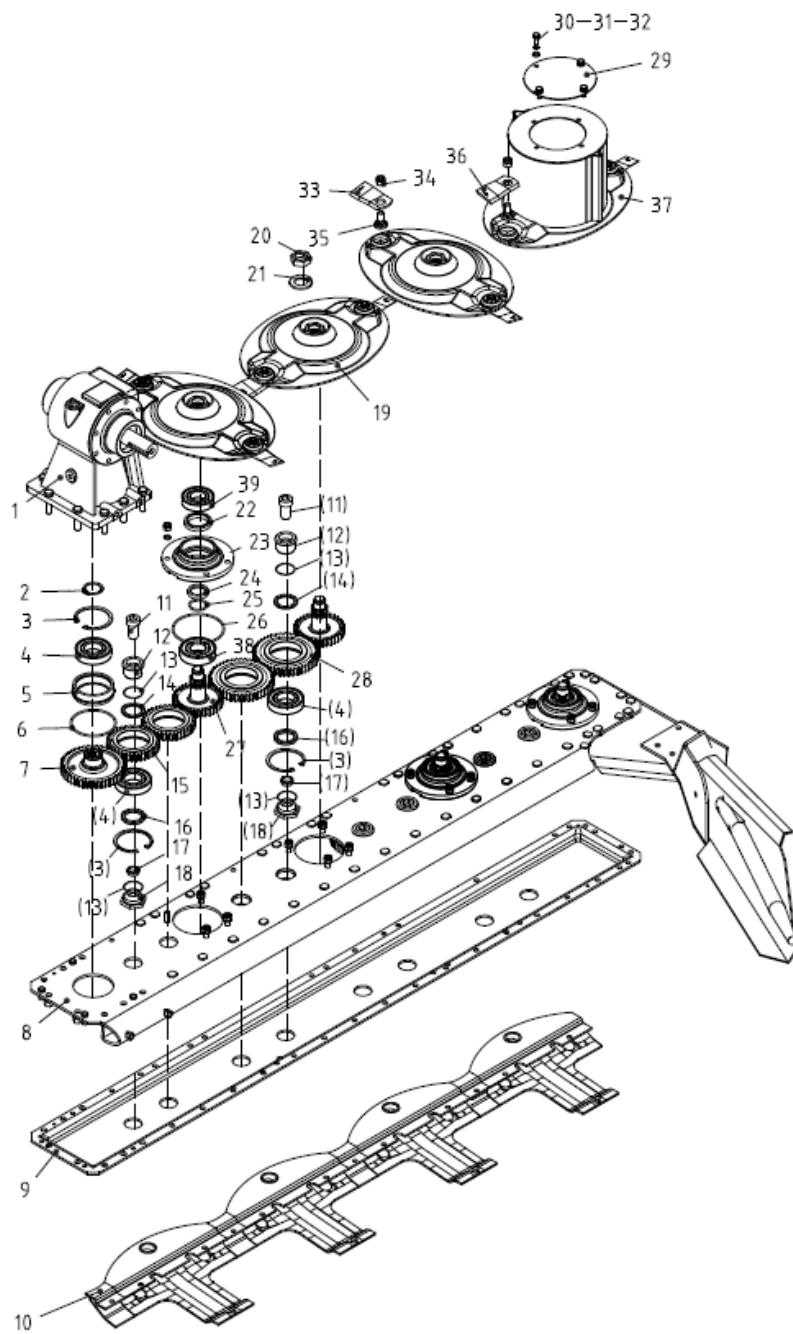




Outriggers

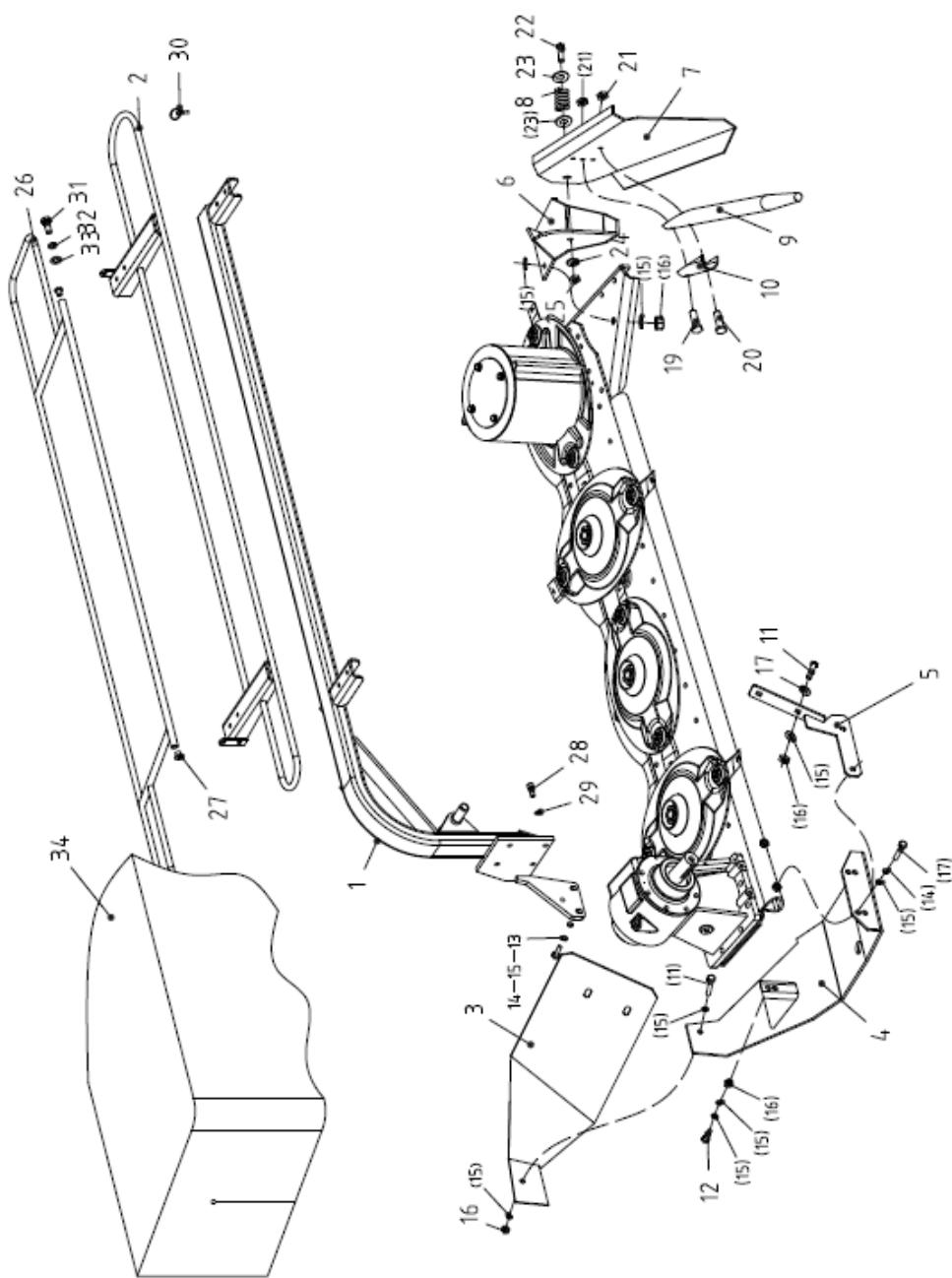


RS165HN: CUTTING BAR



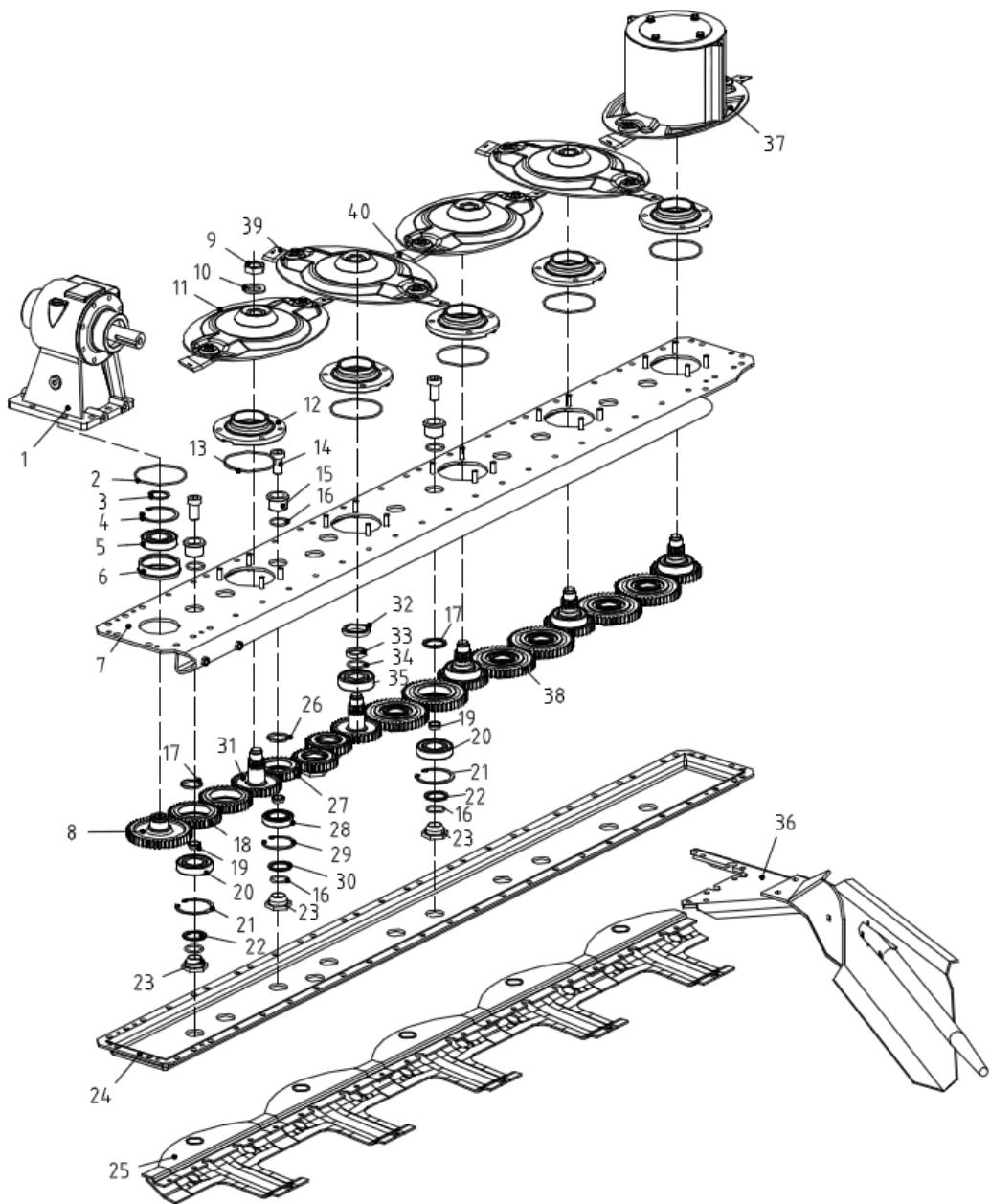
ITEM NO.	DESCRIPTION	QTY.	ITEM NO.	DESCRIPTION	QTY.
1	Gearbox	1	20	Lock nut M25x1,5	4
2	Snap ring 40	1	21	Washers25	4
3	Snap ring 80	8	22	Seal 45 × 65x7	5
4	Deep groove ball bearings 6208	8	23	Lock the cutting head	4
5	Bearing sleeve	1	24	Gear drive holder	5
6	O-ring 94,6x3	1	25	O-ring 30x1,5	4
7	Spline - gear	1	26	O-ring 109,6x3,1	4
8	Cutting Bar	1	27	Cutting Head	4
9	Middle sheet	1	28	Gear Z = 45	6
10	Cover plate - bottom	1	29	Protection rotor plate	1
11	Hex Bolt M20x38	12	30	Bolt M8x20	4
12	Shaft sleeve	12	31	Spring washer 8	4
13	O-ring 40x1,5	12	32	Washer 8	4
14	Washer52-40-3,5	8	33	Knife - right	4
15	Middle gear Z = 36	2	34	Lock nut M12	8
16	Washer 52-40-6	8	35	Bolt M12x21	8
17	Sleeve - Nylon	11	36	Knife - left	4
18	Special nut for tensioning of the pulley	8	37	Rotor Plate with cover	1
19	Rotor	3	38	Bearings 6307	4
			39	Bearings 6207	4

RS165HN: PROTECTION FRAME



ITEM NO.	DESCRIPTION	QTY.
1	Cover frame	1
2	Rollbar	1
3	Mounting plate	1
4	Skid	1
5	Connection plate	1
6	Bracket for the rake	1
7	Rake	1
8	Pressure spring 6 * 25 * 48	1
9	Deflector	1
10	Mount for rakes	1
11	Bolt M10 * 25	7
12	Bolt M10 * 40	5
13	Bolt M10 * 35	2
14	Spring washer 10	6
15	Washers 10	18
16	Lock nut M10	7
17	Washer 10	2
19	Bolt M8 * 35	1
20	Bolt M8 * 55	1
21	M8 lock nut	2
22	Bolt M12 * 85	1
23	Washer 12	2
24	Washers 12	9
25	Lock nut M12	5
26	Frame for protective coatings	1
27	Nut	2
28	Hexagon screw M12 * 30	4
29	M12 bolt	4
30	Feather	1
31	Bolt M10 * 25	6
32	Spring washer 10	2
33	Washers 10	10
34	Cover	1

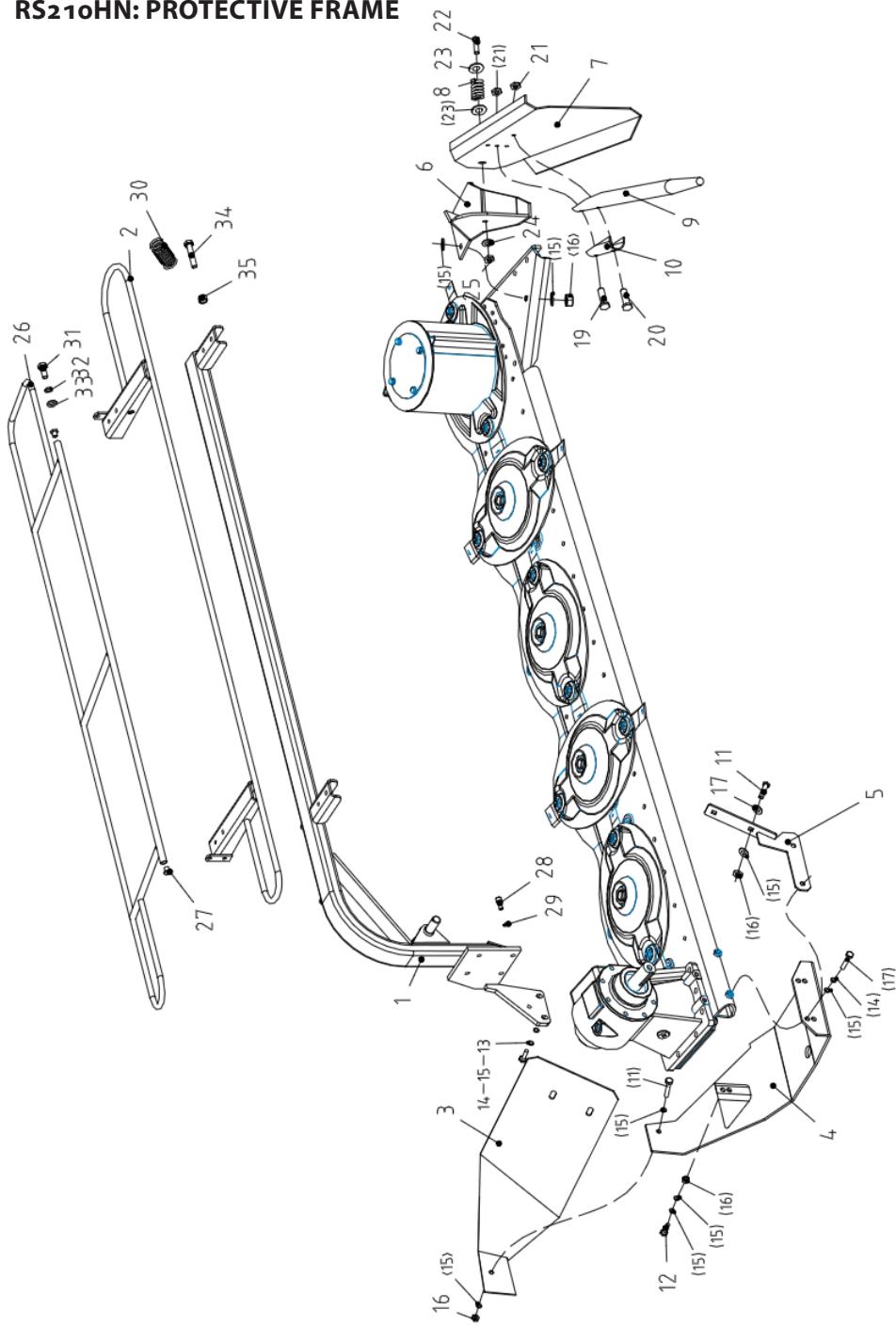
RS210HN: CUTTING BAR



RS210HN: CUTTING BAR

ITEM NO.	DESCRIPTION	QTY.	ITEM NO.	DESCRIPTION	QTY.
1	Gearbox	1	21	Snap ring	9
2	Oring 94.6 * 3.1	1	22	Washer 52x40x6	8
3	Washer	1	23	Nut	11
4	Snap ring 80	9	24	Cover plate - between	1
5	Deep groove ball bearings 6208	1	25	Cover plate - lower	1
6	Bearing sleeve	1	26	Washer 48x40x3.5	3
7	Cutting Bar - upper cover plate	1	27	Intermediate gear II Z = 31	3
8	Spline - gear	1	28	Ball bearings 6008	3
9	Hexagonal nut M20	5	29	Snap ring 68	3
10	Washer 27	5	30	Washer 48x40x9	3
11	Rotor Plate	4	31	Gear to the rotor	5
12	Connection plate	5	32	Seal 45 x 6	5
13	O-Ring 109.6 3.1 *	5	33	Bushing	5
14	Bolt M20x30	11	34	O-ring 35 * 3.1	5
15	Bushing	11	35	Ball bearings 6307-2Z	5
16	O-ring 40 * 1.5	22	36	Mount - left side	1
17	Washer 52-40-3.5	8	37	Protective cover for rotor plate	1
18	Middle gears z = 36	2	38	"Middle gear Z= 45"	6
19	Sleeve - Nylon	11	39	Knife 'Left	5
20	Bearings 6208	8	40	Knife - right	5

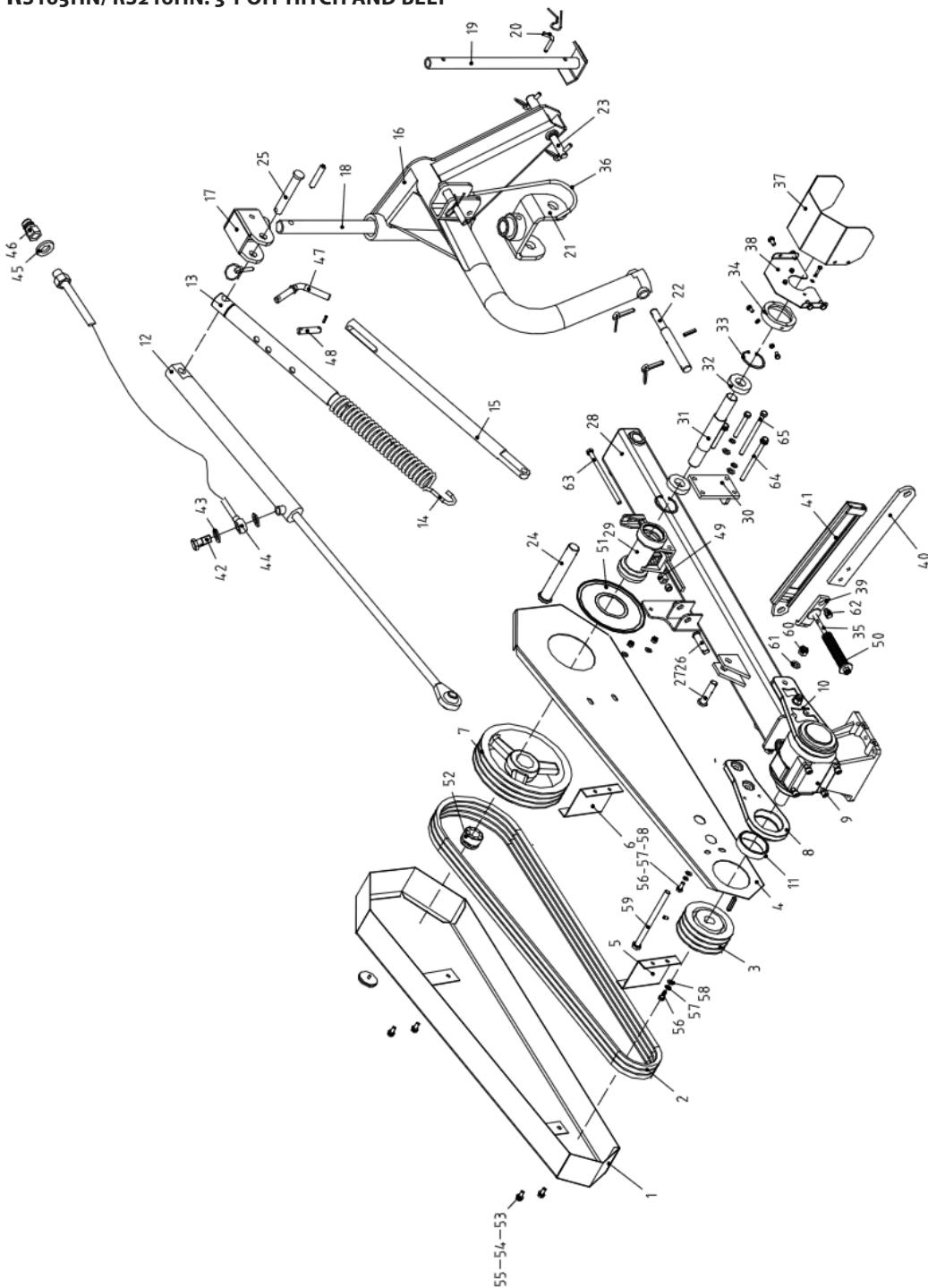
RS210HN: PROTECTIVE FRAME



RS210HN PROTECTIVE FRAME

ITEM NO.	DESCRIPTION	QTY.
1	Cover frame	1
2	Rollbar	1
3	Mounting plate	1
4	Mounting plate - right side	1
5	Connection plate	1
6	Rake bracket	1
7	Rake	1
8	Pressure spring 6 * 25 * 48	1
9	Deflector	1
10	Bracket for the rake	1
11	Bolt M10 * 25	7
12	Bolt M10 * 40	5
13	Bolt M10 * 35	2
14	Spring washer 10	6
15	Washer 10	18
16	Lock nut M10	7
17	Washer 10	2
19	Bolt M8 * 35	1
20	Bolt M8 * 55	1
21	M8 lock nut	2
22	Bolt M12 * 85	1
23	Washer 12	2
24	Washers 12	9
25	Lock nut M12	5
26	Frame for protective cover	1
27	Nut	2
28	Hexagon bolt M12* 30	4
29	M12 bolt	4
30	Spring	1
31	Bolt M10 * 25	6
32	Spring washer 10	2
33	Washers 10	10
34	Bolt M10 * 55	1
35	Hex nut M10	6

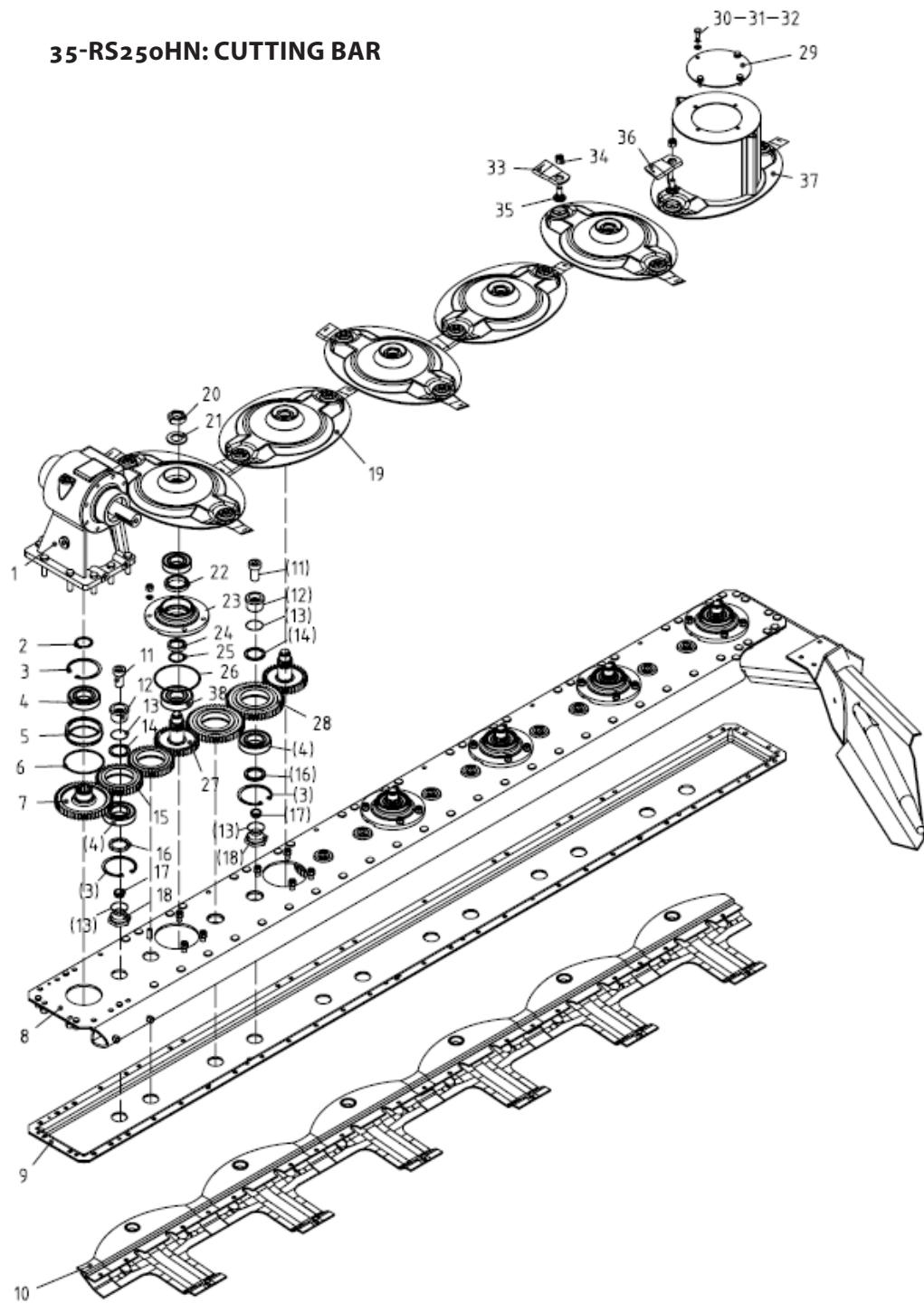
RS165HN/ RS210HN: 3-POINT HITCH AND BELT



3-POINT HITCH AND BELT

ITEM NO.	DESCRIPTION	QTY.	ITEM NO.	DESCRIPTION	QTY.
1	Belt Cover	1	34	Span sleeve	1
2	Timing belt BX-104	3	35	Double screw safety device	1
3	Small pulley	1	36	Hook	1
4	Pulley cover	1	37	PTO Guard	1
5	Metal sheet bracket - right	1	38	Mounting Plate	1
6	Metal sheet bracket - left	1	39	Positioning plate	1
7	Large pulley	1	40	Safety connecting rod	1
8	Pivot (splint) 'Left	1	41	Security bar	1
9	Gearbox	1	42	Banjo bolt	1
10	Pivot (splint) -Right	1	43	Combination Washer 16	1
11	Busshing 90 * 95 * 26	2	44	Hydraulic Hose	1
12	Cylinder	1	45	Valve G1 / 2	1
13	Safety bracket	1	46	Quick coupler G1 / 2	1
14	Spring	1	47	Adjustment pin	1
15	Axle	1	48	Locking pin	1
16	Frame	1	49	Square nut M12	1
17	Swivel bracket	1	50	Spring bolts M12 (29 * 13 * 3)	36
18	Main Axis of rotation	1	51	Pulley ring plate	1
19	Outrigger	1	52	Sleeve 35 * 60 * 45	1
20	L-sprint	1	53	Hexagon screw M10 * 25	8
21	Rotating sleeve	1	54	Washers 10	8
22	Left hang up sprint	1	55	Spring washer 10	8
23	Locking pin	1	56	Hexagon screw M12 * 35	1
24	Sprint	1	57	Spring washer 12	1
25	Cylinder pin	1	58	Lock washer 12	1
26	Locking pin	1	59	Bolt M16 * 230	2
27	Locking pin	1	60	Lock nut M16	2
28	Main frame	1	61	Washer 16	2
29	Seat to the big pulley	1	62	Locating pin	1
30	Bracket	1	63	Bolt m12 * 220	1
31	Shaft - large pulley	1	64	Bolt m12 * 170	2
32	Deep groove ball bearings 6207	2	65	Bolt M12 * 90	2
33	Snap ring 72	2			

35-RS250HN: CUTTING BAR

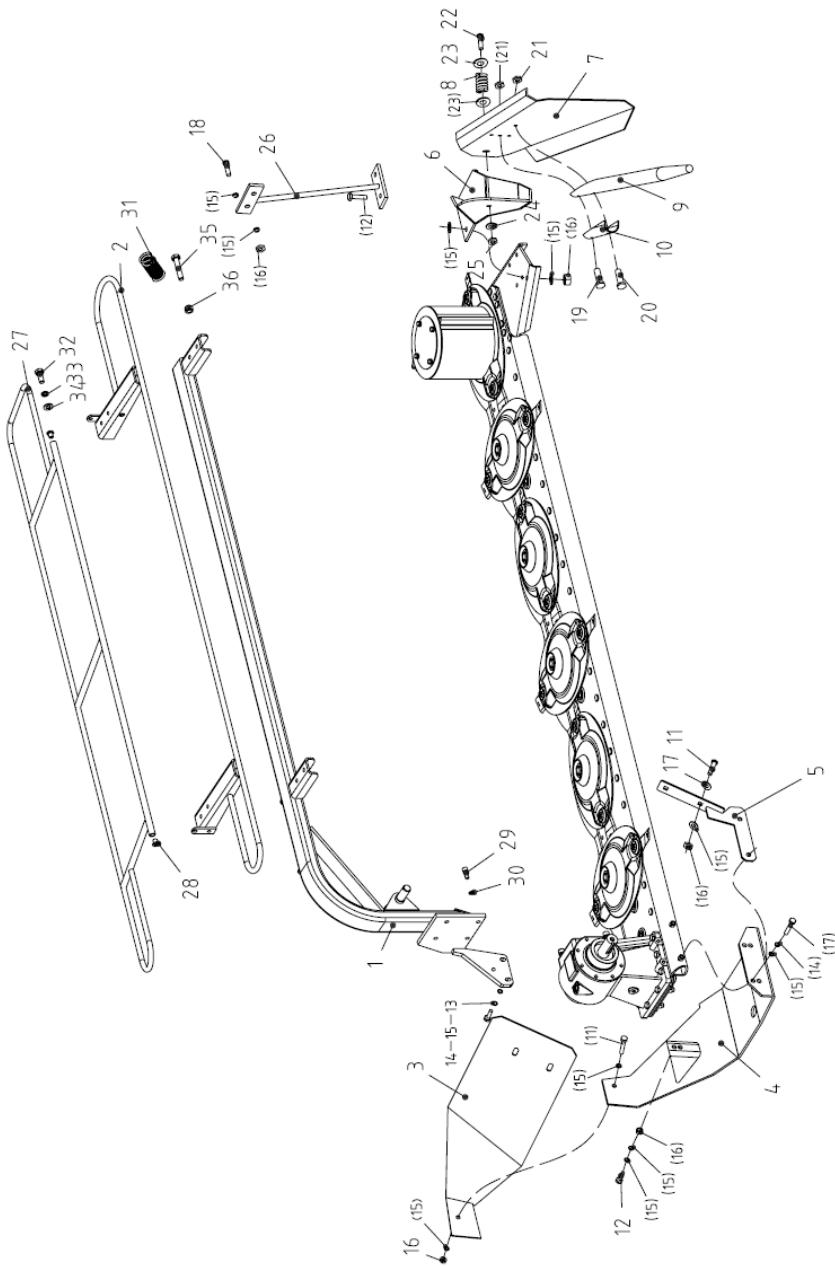


35-RS250HN: CUTTING BAR

ITEM NO.	DESCRIPTION	QTY.
1	Gearbox	1
2	Snap ring Ø 40	1
3	Snap ring Ø 80	13
4	Bearings 6208	1
5	bearing sleeve	1
6	O-ring 94,6x3	1
7	Gear drive	1
8	Cutting bar upper cover plate	1
9	Cutting bar between the plate	1
10	Cutting bar lower plate	1
11	Bolt M20x38	12
12	Bushing	12
13	O-ring 40x1,5	24
14	Washer 52x40x3,5	12
15	Intermediate the gear Z = 36	2
16	Washer 52x40x6	12
17	Sleeve nylon	12
18	Nut - large	12
19	Rotor Plate	5

ITEM NO.	DESCRIPTION	QTY.
20	Nut M20	6
21	Washer M20	6
22	Washer 45x65x7	6
23	Bearing seat	6
24	Gear Bushing	6
25	O-ring 30x1,5	6
26	O-ring 109,6x3,1	6
27	Gear to the rotor	6
28	"Intermediate gear Z= 45"	10
29	Cap	1
30	Bolt M8x20	4
31	Spring washer 8	4
32	Washer 8	4
33	Knife - Right	6
34	Lock nut M12	12
35	Bolt M12x21	12
36	Knife - Left	6
37	Rotary plate with drum	1
38	Bearings 6307	6

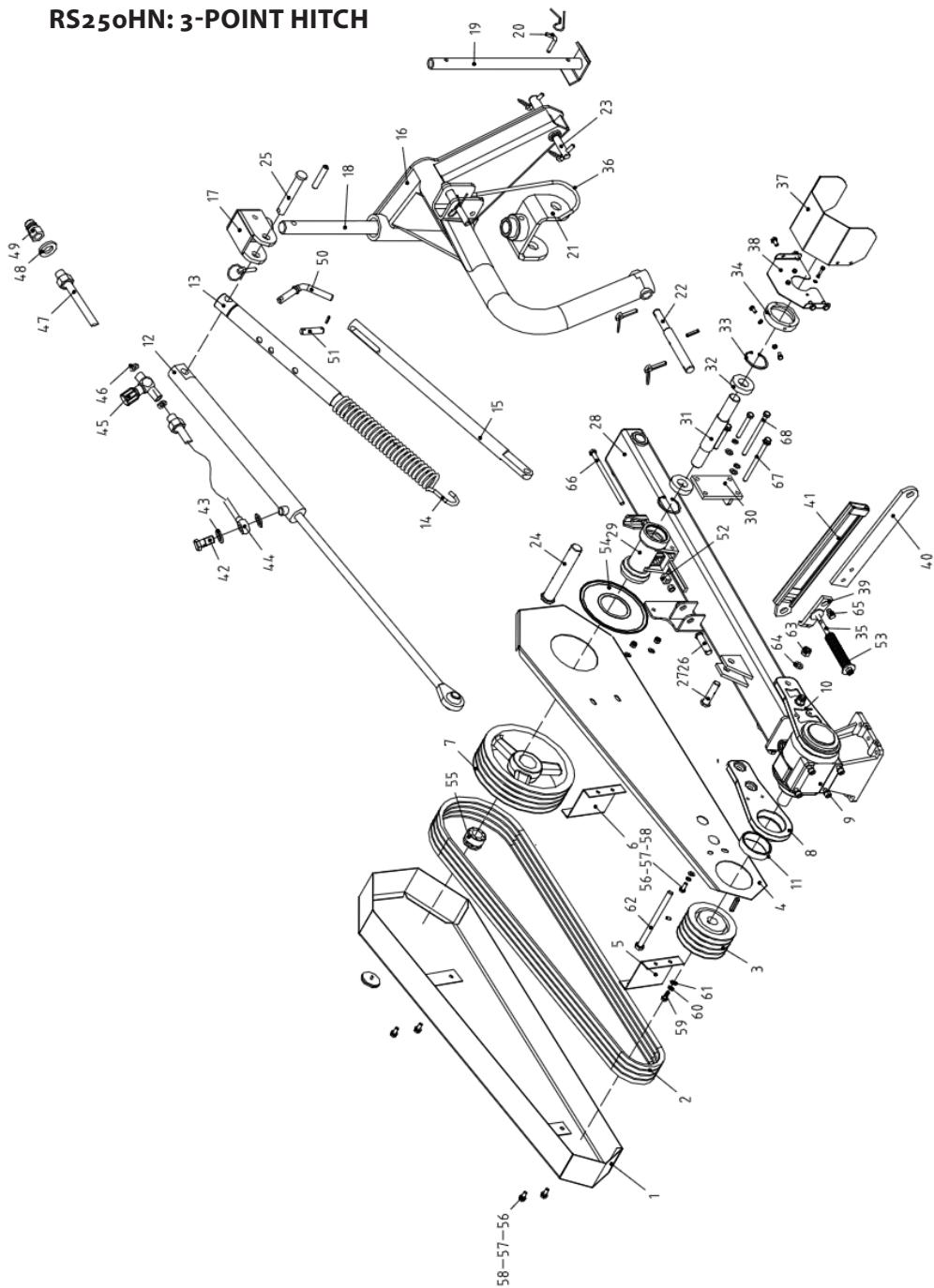
RS250HN: PROTECTIVE FRAME



RS250HN: PROTECTIVE FRAME

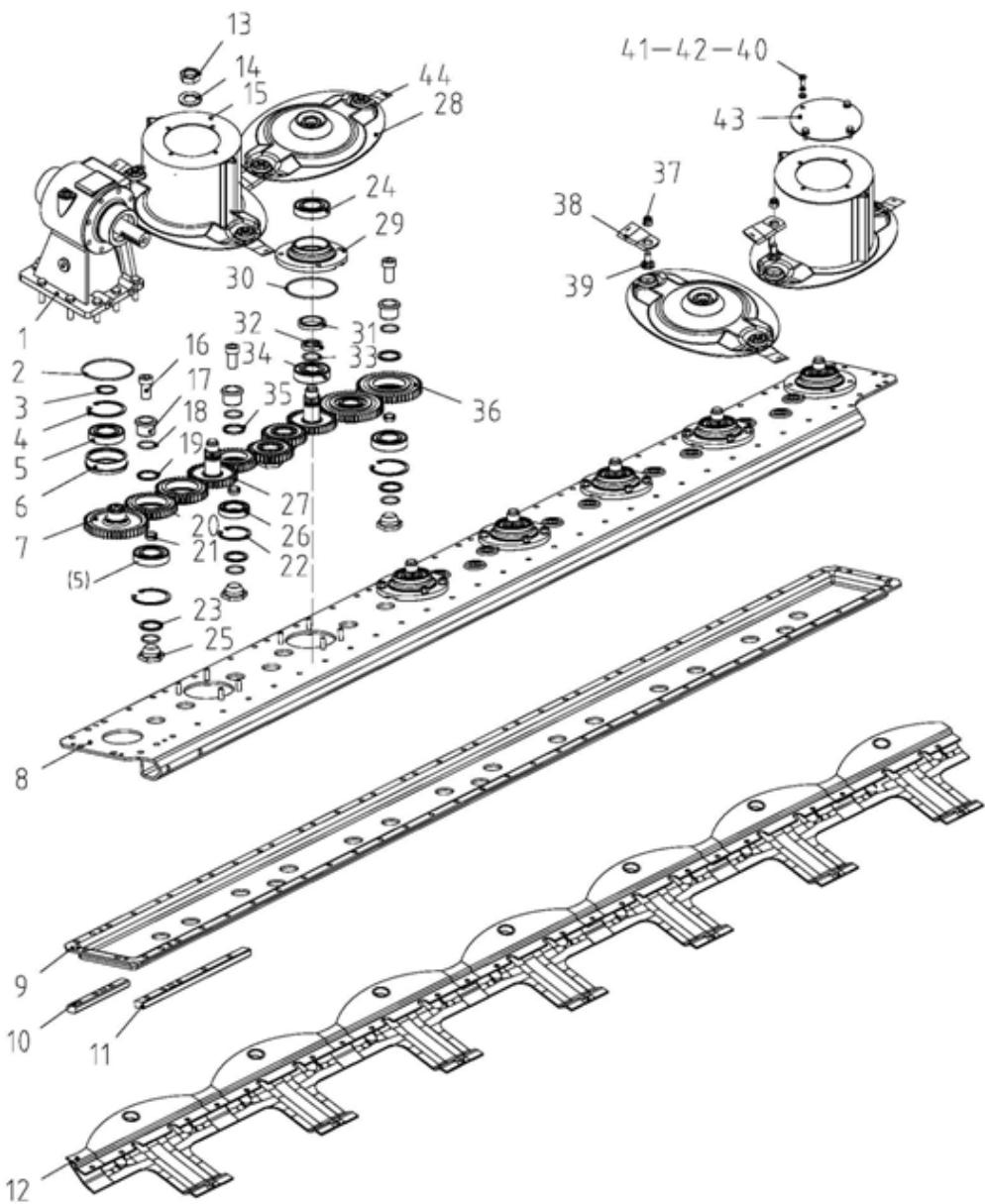
ITEM NO.	DESCRIPTION	QTY.	ITEM NO.	DESCRIPTION	QTY.
1	Cover frame	1	19	Bolt M8x35	1
2	Frame for protective cover	1	20	Bolt M8x55	1
3	Protective plate	1	21	Nylock M8	2
4	Lower protective	1	22	Bolt M12x85	1
5	Bracket	1	23	Washer m12 -great	2
6	Bracket - rake	1	24	Washer M12	9
7	Rake	1	25	Nylock M12	5
8	Spring 6x25x48	1	26	Support bracket for cover	1
9	Swather	1	27	Frame for protective cover	1
10	Locking ear	1	28	Nut	2
11	Bolt M10x25	7	29	Bolt M12x30	4
12	Bolt M10x40	5	30	Lock Washer M12	4
13	Bolt M10x35	2	31	Tension spring	1
14	Lock washer 10	6	32	Bolt M10x25	6
15	Washers 10	18	33	Lock washer 10	2
16	Nylock nut M10	7	34	Washers 10	10
17	Washer 10	2	35	Bolt M10x55	1
18	Bolt M10x30	1	36	Nut M10	6

RS250HN: 3-POINT HITCH



ITEM NO.	DESCRIPTION	QTY.	ITEM NO.	DESCRIPTION	QTY.
1	Belt cover	1	34	Span sleeve	1
2	Timing belt BX-104	3	35	Double screw safety device	1
3	Small pulley	1	36	Hook	1
4	Pulley cover	1	37	PTO guard	1
5	Metal sheet bracket -right	1	38	Mounting Plate	1
6	Metal sheet bracket - left	1	39	The positioning plate	1
7	Large pulley	1	40	Safety connecting rod	1
8	Pivot (splint) Left	1	41	Security bar	1
9	Gearbox	1	42	Banjo bolt	1
10	Pivot (splint) -Right	1	43	Combination Washer 16	1
11	Bearing 90 * 95 * 26	2	44	Hydraulic Hose	1
12	Cylinder	1	45	Check valve G1 / 2	1
13	Safety brace	1	46	Quick coupler G1 / 2	1
14	Spring	1	47	Adjustment pin	1
15	Axle	1	48	Locking pin	1
16	Frame	1	49	Square nut M12	1
17	Swivel bracket	1	50	Spring bolts M12 (29 * 13 * 3)	36
18	Main Axis of rotation	1	51	Pulley ring plate	1
19	Foot	1	52	Collet 35 * 60 * 45	1
20	L-sprint	1	53	Hexagon screw M10 * 25	8
21	Rotating sleeve	1	54	Washers 10	8
22	Left suspension sprint	1	55	Spring washer 10	8
23	Locking pin	1	56	Hexagon screw M12 * 35	1
24	Sprint	1	57	Spring washer 12	1
25	Cylinder pin	1	58	Lock washer 12	1
26	Locking pin	1	59	Bolt M16 * 230	2
27	Locking pin	1	60	Lock nut M16	2
28	Main frame	1	61	Washers 16	2
29	Seat to the big pulley	1	62	Locating pin	1
30	Bracket	1	63	Bolt m12 * 220	1
31	Large pulley axle	1	64	Bolt m12 * 170	2
32	Deep groove ball bearings 6207	2	65	Bolt M12 * 90	2
33	Snap ring 72	2			

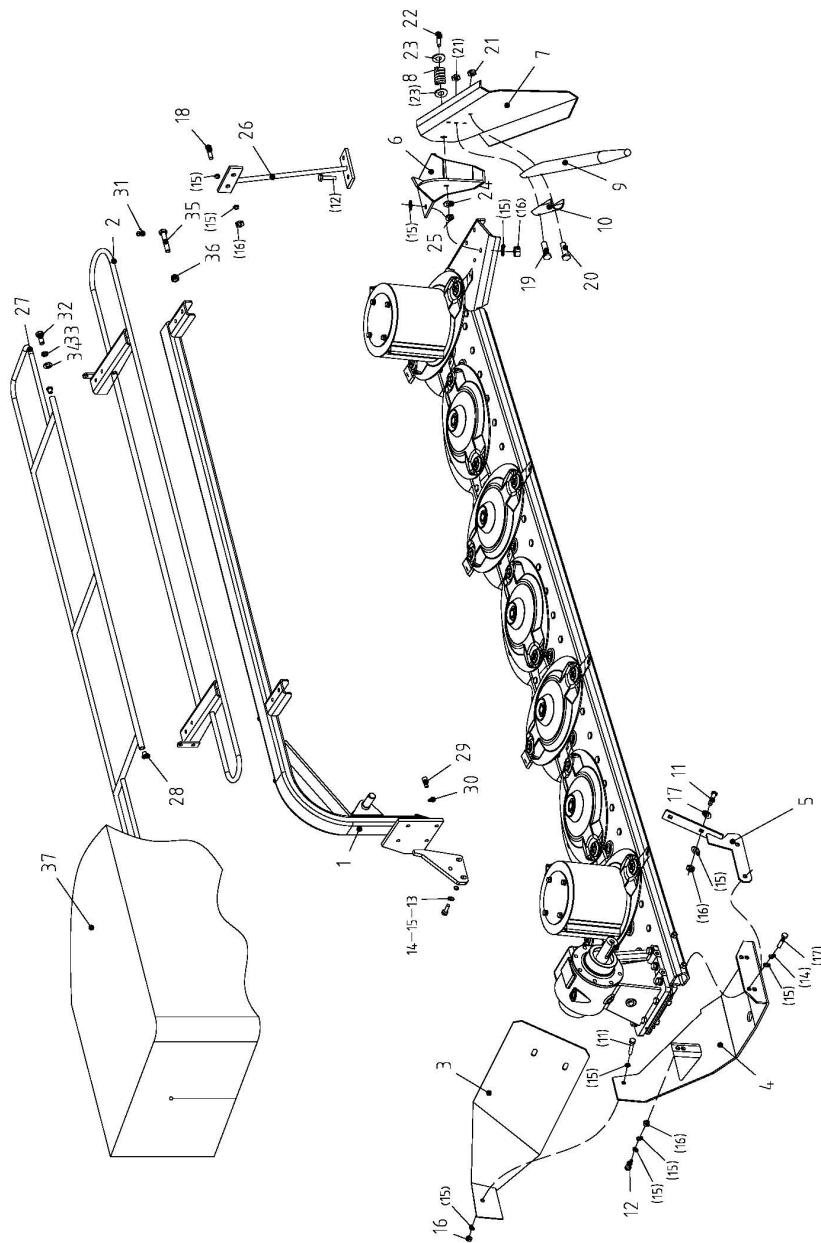
RS290HN: CUTTING BAR



ITEM NO.	DESCRIPTION	QTY.
1	Gearbox	1
2	Snap ring Ø 40	1
3	Snap ring Ø 80	1
4	Bearings 6208	9
5	Bearing sleeve	9
6	O-ring 94,6x3	1
7	Gear drive	1
8	Cutting bar upper cover plate	1
9	Cutting bar middle plate	1
10	Supporting plates	1
11	Support plate	1
12	Cutting Bar - lower plate	1
13	Lock nut M25 * 1.5	6
14	Washers 25	6
15	Drum	2
16	Hex Bolt M20 * 38	6
17	Bushing	17
18	The O-ring 40 * 1.5	34
19	Washer 52-40-3.5	8
20	"Between the gear Z = 36"	2
21	Nylon sleeve	17
22	Snap ring 68	9

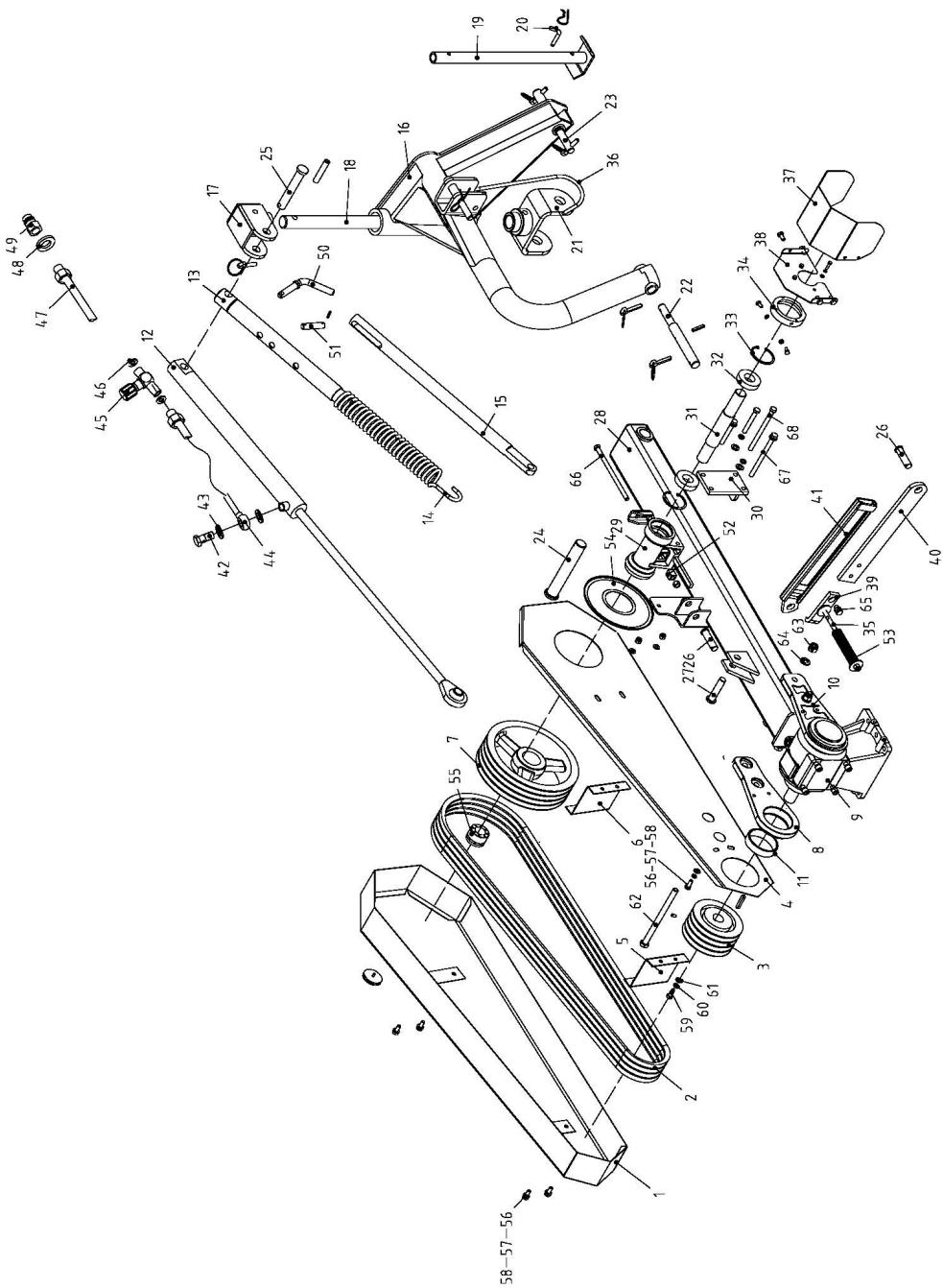
ITEM NO.	DESCRIPTION	QTY.
23	Washer 52-40-6	8
24	Ball bearings 6207	7
25	Special nuts	17
26	Ball bearings 6008	9
27	Gear to the rotor	7
28	Between gears	5
29	Cap	7
30	O-Ring 109.6 3.1 *	7
31	Sealing 45 * 6	7
32	Gear Bushing	7
33	O-ring 35 * 3.1	7
34	Ball bearings 6307	7
35	Washer 48-40-3.5	9
36	Between the gear Z = 45	6
37	Lock nut M12	14
38	Left - knife	1
39	Bolt M12 * 31	14
40	"Hexagon screw M8 * 20"	8
41	Washer 8	1
42	Spring washer 8	1
43	Lid	2
44	Right knife	7

RS290HN: PROTECTIVE FRAME

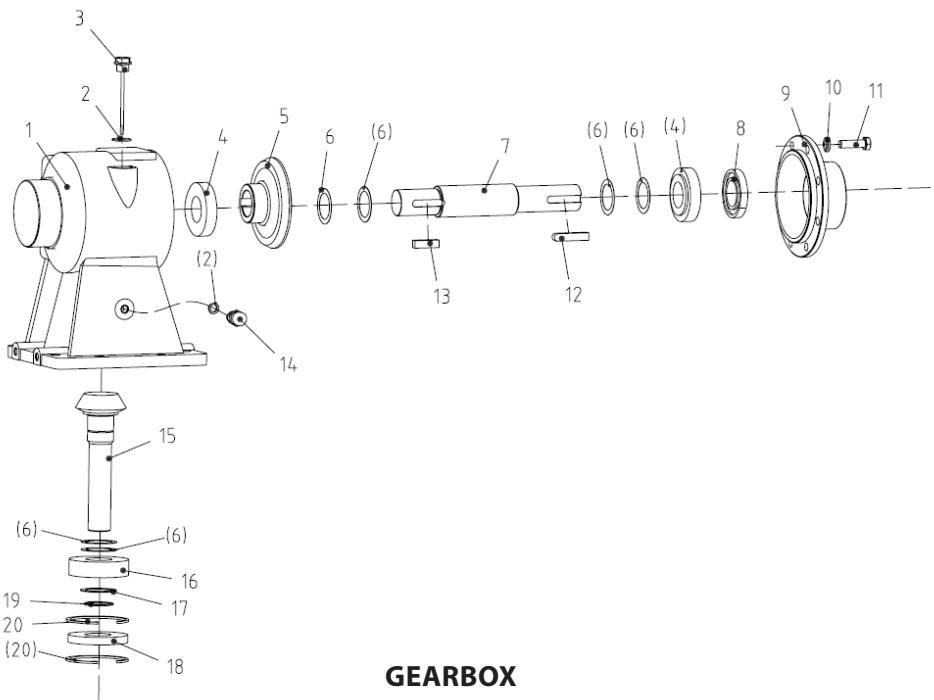


ITEM NO.	DESCRIPTION	QTY.	ITEM NO.	DESCRIPTION	QTY.
1	Frame	1	20	Bolt M8x55	1
2	Frame for protective cover	1	21	Nylock M8	2
3	Protective plate	1	22	Bolt M12x85	1
4	Skid	1	23	Washer M12 -great	2
5	Bracket	1	24	Washer M12	9
6	Bracket - header plate	1	25	Nylock M12	5
7	Rake - bracket	1	26	Bracket for Covers	1
8	Spring 6 * 25 * 48	1	27	Frame for protective cover	1
9	Rake	1	28	Nut M12	2
10	Locking ear	1	29	Hexagonal bolt M12x30	4
11	Bolt M10 * 25	7	30	Lock Washer M12	4
12	Bolt M10 * 40	5	31	Stir pin 8	1
13	Bolt M10 * 35	2	32	Bolt M10x25	6
14	Lock washer 10	6	33	Lock washer 10	2
15	Washers 10	18	34	Washers 10	10
16	Nylock nut M10	7	35	Bolt M10x55	1
17	Washer 10	2	36	Nut M10	6
18	Bolt M10x30	1	37	Cover	1
19	Bolt M8x35	1			

RS290HN: 3-POINT HITCH



ITEM NO.	DESCRIPTION	QTY.	ITEM NO.	DESCRIPTION	QTY.
1	Belt cover	1	35	Double screw safety device	1
2	Timing belt BX-104	4	36	Hook	1
3	Small pulley	1	37	PTO guard	1
4	Pulley cover	1	38	Mounting Plate	1
5	Metal sheet bracket - right	1	39	Positioning plate	1
6	Metal sheet bracket - left	1	40	Safety connecting rod	1
7	Large pulley	1	41	Stone deflector	1
8	Pivot (splint) 'Left	1	42	Banjo bolt	1
9	Gearbox	1	43	Combination Washer 16	1
10	Pivot (splint) -Right	1	44	Hydraulic Hose	1
11	Bearing 90 * 95 * 26	2	45	Check valve G1 / 4	1
12	Cylinder	1	46	Washer G1 / 4	2
13	Safety brace	1	47	Hydraulic Hose	1
14	Feather	1	48	Washer G1 / 2	1
15	Axle	1	49	Quick coupling G1 / 2	1
16	Frame	1	50	L-sprint	1
17	Swivel mount	1	51	Pin	1
18	Main Axis of rotation	1	52	Rectangular nut M12	1
19	Foot	1	53	"Spring bolts M12 (29 * 13* 3)"	36
20	L-sprint	1	54	Pulley ring plate	1
21	Rotating sleeve	1	55	Sleeve 35 * 60 * 45	1
22	Left suspension sprint	1	56	Hexagon screw M10 * 25	8
23	Locking pin	1	57	Washers 10	8
24	Sprint	1	58	Spring washer 10	8
25	Cylinder pin	1	59	Hexagon screw M12 * 35	1
26	Locking pin	2	60	Spring washer 12	1
27	Locking pin	1	61	Lock washer 12	1
28	Main frame	1	62	Bolt M16 * 230	2
29	Stock seat to the big pulley	1	63	Lock nut M16	2
30	Bracket	1	64	Washers 16	2
31	Large pulley axle	1	65	Locating pin	1
32	Deep groove ball bearings 6207	2	66	Bolt m12 * 220	1
33	Snap ring 72	2	67	Bolt m12 * 170	2
34	Span sleeve	1	68	Bolt M12 * 90	2



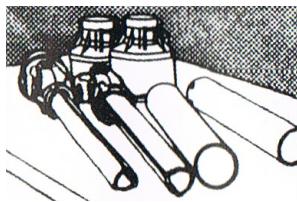
GEARBOX
35-RS165HN
35-RS210HN
35-RS250HN
35-RS290HN

GEARBOX

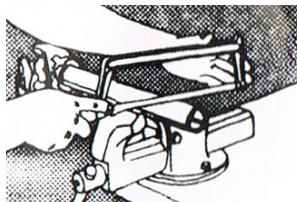
ITEM NO.	DESCRIPTION	QTY.
1	Gearbox	1
2	Washer 16	2
3	Dipstick - the oil filling (ventilation)	1
4	Tapered roller bearing 30207	2
5	Bevel gear	1
6	Axis washer	6
7	Axis	1
8	Oil seal 35 * 65 * 12	1
9	Protective cover for gearbox	1
10	Spring washer 10	4
11	Bolt M10 * 25	4
12	Key C10 * 8 * 50	1
13	Key A10 * 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

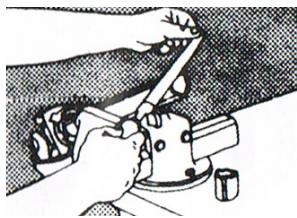
1. Remove the guard cover



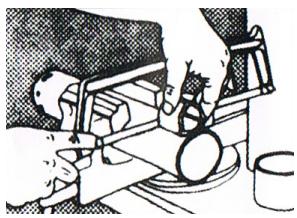
2. Cut the transmission shaft to the desired length.
NOTE! the shaft cannot be cut more than half the
length of the tube



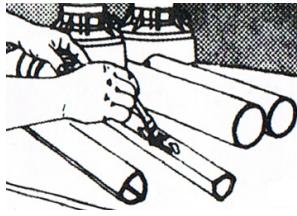
3. File outer edges



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:
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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 manufaturing deffects.

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.

Tina Baudtler, VD 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

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