



# **Kellfri<sup>®</sup>**

## **VERGE FLAIL MOWER**

**35-SK140**

**35-SK180**

**35-SK220**



**READ THIS MANUAL CAREFULLY BEFORE USING THE PRODUCT !!!**

**TRANSLATED FROM THE ORIGINAL**

## 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 use by active farmers with high demands on functionality.

## PRODUCT INFORMATION

Kellfris Flail mower is excellent for many tasks in harsh environments. The machine is designed to work and performed alternatively behind the tractor or infinitely aside, the hydraulic side shift is standard. Flail mower can also be tilted up and down, sideways with hydraulics which makes it ideal for mowing ditches, flat surfaces and hedges! When hitting an obstacles during operation lift the unit behind the tractor. Standard equipped with flails and PTO shaft.

## INTENDED USE

The equipment is intended to only cut grass. Make sure that there are no rocks or obstacles in the fields.

TECHNICAL DATA	35-SK140	35-SK180	35-SK220
Working width	1400 mm	1800 mm	2 200 mm
Weight	500 kg	600 kg	675 kg
Hydraulics, cylinders	2 st	2 st	2 st
PTO	Standard	Standard	Standard
Side shift adjustment	Yes	Yes	Ja
Power requirement (tractor)	40-80 hp	55-80 hp	70-100 hk
Operating speed	6 - 12 km/h	6 - 12 km/h	6 - 12 km/h
RPM	540	540	540
Flails	20 st.	24 st	32 st
Gear oil (80/90)	1,5-1,8 L	1,5-1,8 L	1,5-1,8 L

## SAFETY INFORMATION

Before using the equipment, for your and others' safety, read the instruction manual and understand its contents. Always keep the instruction manual handy for the user of the tool. Remember that it can be good for your own and others' safety to read the safety information occasionally. It is important that the user understands that common sense and universal precautions are not built into the product, but must be supplied by the user.

If the instruction manual is damaged or otherwise unusable: Please contact your retail dealer

The general safety instructions can be downloaded from Kellfris website: [www.kellfri.se](http://www.kellfri.se)

Do not use the equipment or product if you feel sick, tired or under the influence of alcohol. Nor if you are under the influence of strong medications or drugs, suffering from great depression or severe mental illness. Always follow the general traffic regulations and rules in the Animal Welfare Act. Persons under the age of 15 are not allowed to use the equipment.



**WARNING!**

The machine's original design must not under any circumstances be changed without the permission of the manufacturer. Unauthorized modifications and / or accessories can result in life-threatening or fatal injury to the operator or others.

## PRODUCT SAFETY INFORMATION

- Read the instruction manual carefully before using the machine.
- Do not use the machine in an inappropriate manner. Only use the machine as described in the manual.
- 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.
- 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.









**Warning!**

Never use a tool or product with defective safety equipment.

### 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
	Danger Zone
	Caution! Rotating Parts
	Rotating Blades
	Prohibition to Stay on the Machine
	Keep Away From Children
	The equipment is CE marked

### PERSONAL PROTECTIVE EQUIPMENT

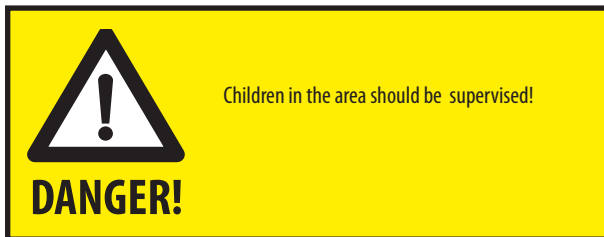
Wear suitable clothing and footwear. Do not wear loose clothing or jewelry when working with the equipment. Remember to put up long hair when working with equipment that rotates. Wear protective gloves during maintenance. Hearing protection should be used when operating the machine .



## **SURROUNDINGS**

Check and make sure that the area is clear of people, children and objects before switching on or using the equipment. Risk of serious personal injury. Be especially careful if children are in the area where the equipment is being use or stored. Check that there are no low-hanging power lines within the work area. Be careful when working on slopes and near ditches.

Always work alone with equipment designed for single - purpose tools/products. Never have junk/debris lying in your work area. Have workspaces clean. Always respect the risk zone.



## **IN CASE 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.

## **BEFORE USE**

Read the safety information and operating instructions carefully. Be sure that you understand the safety information, operating instructions and warning labels. Use common sense when using the machine and use appropriate personal protective equipment Always check the performance and the machine combination that are use.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.

Visually inspect the equipment or product before using it. Fix or replace damaged or worn parts immediately to reduce the risk of injury. Lubricate moving parts and check that all nuts and bolts are tightened.

Learn and remember correct working method. Beginners should keep a low speed until the person has learned how the machine works. The user / customer is responsible to handle the situation correctly. Do not use the machine if it is experienced to be dangerous for the user.. Read the tractor's manual before connecting the machine.



## OPERATION / RUNTIME

Only people who understand the safety information and operating instructions to operate this equipment or product. Be alert and cautious while working with the tool or product, and use only the tool or product in the manner described in the 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. Respect implement risk zone. All manouvers occurs from the driver's seat.

## CONNECTING THE MACHINE TO THE TRACTOR.

- Hook up the machine to the tractor's rear three-point hitch.
- Connect the PTO and anchor the chain well.
- Customize the PTO shaft's length if necessary (see instructions for the shortening of the PTO)
- Connect the hydraulic hoses. Lift up the machine and verify that it's working properly.
- Ready for use.
- When disconnecting follow the instruction in reverse order

## OPERATION

- Lower the mower on the ground so that the support roller and the runners touches the ground.
- The machine is not made to process the ground, ensure that the blades do not touch the ground. Cutterhead should only cut the grass
- Let the tractor PTO come up in the correct speed (540 rpm) before starting
- Set the tractors speed for the material to be cut. The recommended speed is 3 km / h
- Lift the machine when driving on uneven ground.

## AFTER USE

- Parking is not allowed with the equipment above ground, but with the equipment resting on the ground.
- Rinse the implement if necessary.



Make sure that all parts have stopped rotating before doing anything on the machine! When the PTO is disengaged it ends PTO shaft rotation. This does not mean that all mower parts standstill. Be careful and wait a few minutes to be sure that all parts had stop moving

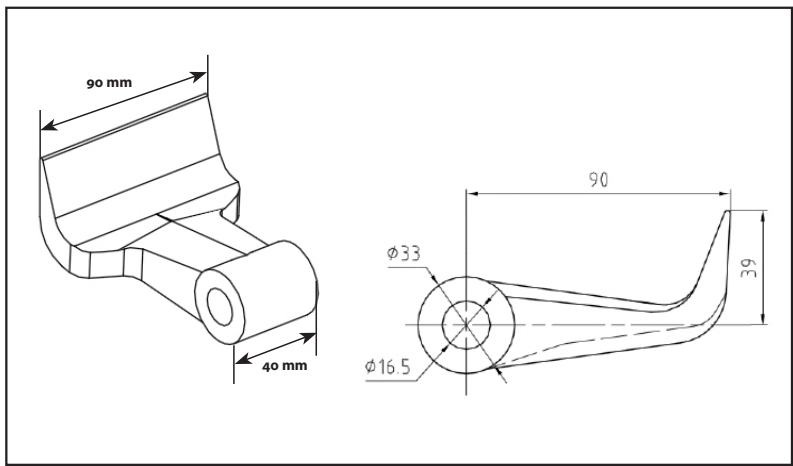
**DANGER!**

**TRANSPORTATION AND STORAGE**

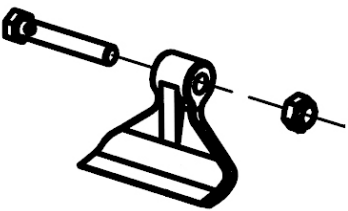
Make sure there are no people, children and foreign objects around the area before transporting the machine. Always take an extra caution during the transport. Ensure that the product is well secured and that transport brackets are mounted. Always place the load as low as possible. Respect the danger 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!

TROUBLESHOOTING	MEASURE
Slope mower mows uneven or badly	Check that the flails are intact and firmly seated. Adjust the support roller and make sure it is correct. Check and tighten any belts
Cut sound changes	Check roller. Check the tension of drive belts. Check flails.
Vibrations	Check flails
The hydraulic system is not working	Check hoses and couplings



**WARNING!!**  
Never install various types of flails on the mower.  
When replacing flails, always check the tightening of the screws. Make sure all screws are properly tightened.



Installation of Flails Slope Mower SK140 / SK180

## MAINTENANCE AND SERVICE

Make sure that the unit is stable and not likely to tip over during service and maintenance. Replace damaged and worn parts immediately to reduce the risk of injury. Perform maintenance, servicing and inspections as recommended. Use only parts with equivalent performance to reduce the risk of damage and failure. All repairs and connections with electricity must be performed by an authorized person. Check that all nuts and bolts are tightened after maintenance and service. Always test the machine before work is started.

### Service intervals / maintenance

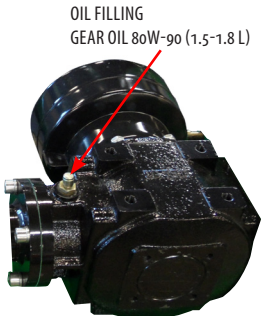
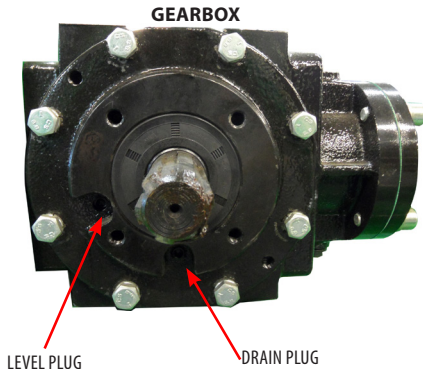
**Check oil level before each run.**

**Change the oil regularly in a range of about 100 hours.**

## RECYCLING

When disposing of the tool be disassembled and transported to the municipality destined place. Contact your local authority for further information.

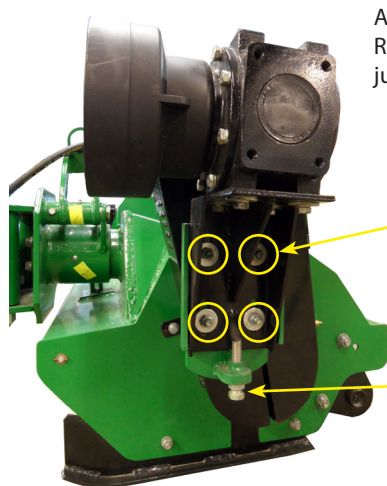
SERVICE	INTERVAL	
Flails	Before each run	Replace any defective flails. Sharp flails gives better results. When replacing bolts are tightened securely.
	While driving	Listen for noises
	After each run	Check for any damage
Gearbox	Before each run	Check level: 1.5-1.8 L Oil type: Lubricant 80/90
	50 hours	First oil change
	100 hours or once a year	Oil Change
Rotor	20 operating hours	Lubrication
Belt	Before each run	Belt tension. When pressing, the belt must be moved 20 mm.
Hydraulics	Before each run	Check all hydraulic tubes so that they are all intact, no damage or cracks
The equipment	After each run	Rinse the machine if necessary.





## CHECK AND TIGHTEN THE BELTS PERIODICALLY.

### NEW MACHINE: CHECK AND TIGHTEN THE BELT AFTER 2 HOURS OF DRIVING



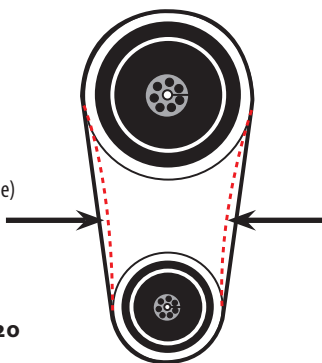
Adjusting Belt tension 35-SK140  
Release the fixing bolts (see picture), then adjust the adjusting bolt until the belt is sufficiently tensioned.

MOUNTING BOLTS

ADJUSTING BOLT

#### CHECK THE BELT TENSION REGULARLY

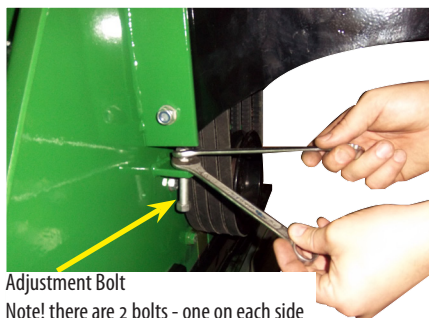
When pressing the belt, it should move 20mm (10mm on each side)



### ADJUSTING BELT TENSION 35-SK180/35-SK220



PROTECTIVE COVER

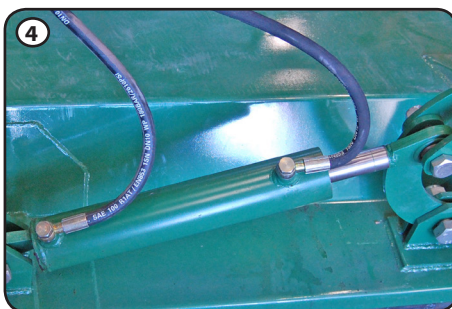
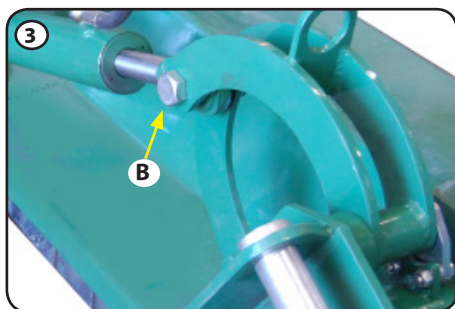
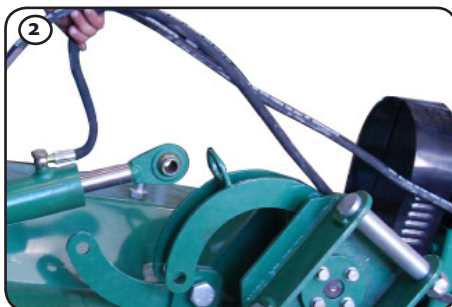
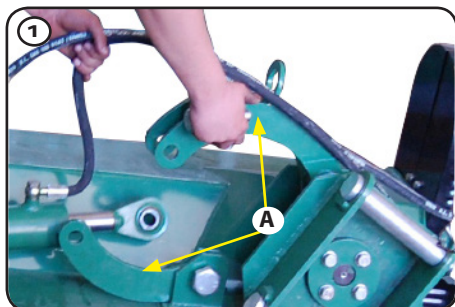


Adjustment Bolt

Note! there are 2 bolts - one on each side

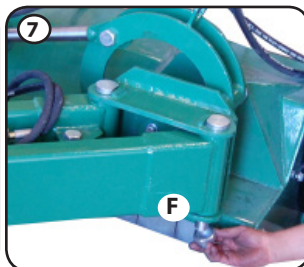
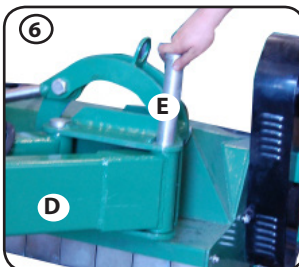
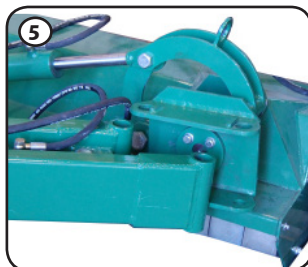
Remove the protective covers and adjust the adjustment bolts

## INSTALLATION INSTRUCTIONS FOR 35-SK140 SLOPE MOWER



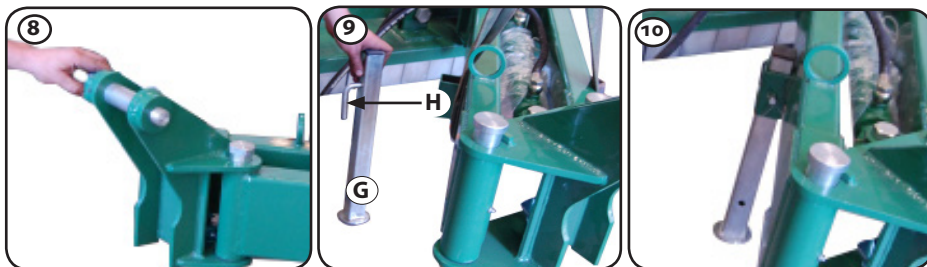
**PICTURE: 1, 2, 3, 4**

Install the cylinder brackets A with bolt B and nut C.



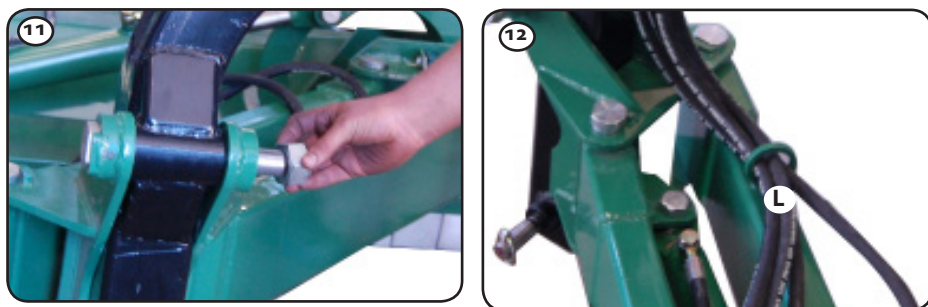
**PICTURE: 5, 6, 7**

Install the folding arm D in the unit, secure with bolt E and lock nut F on the bottom.



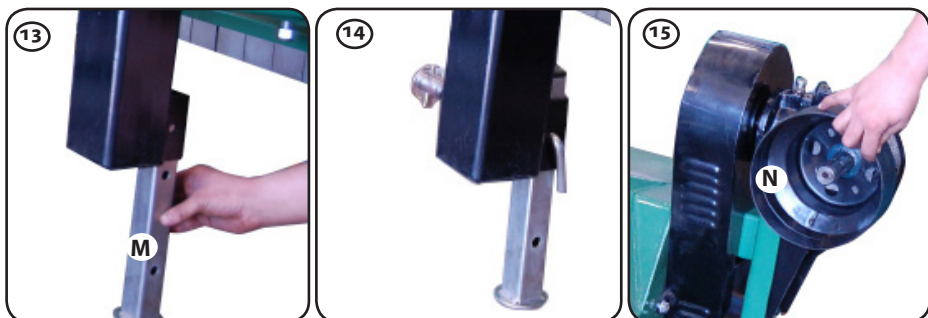
**PICTURE: 8, 9, 10**

Lift machine using lifting equipment and insert the outrigger G from below. Lock the outrigger in desired height with sprint H and reset the machine.



**PICTURE: 11, 12**

Install three point hitsch bracket with bolt and nut. Pull the hydraulic hoses L and attach them to the three point hitch assembly. Make sure the hoses are inserted through the holes and that the hoses do not have any sharp bends or exposed to abrasion.

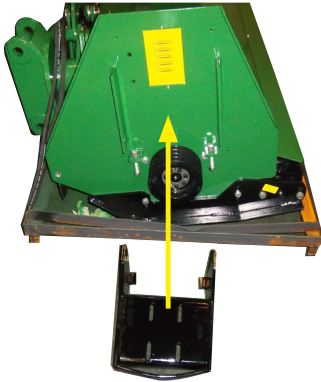


**PICTURE: 13 ,14, 15**

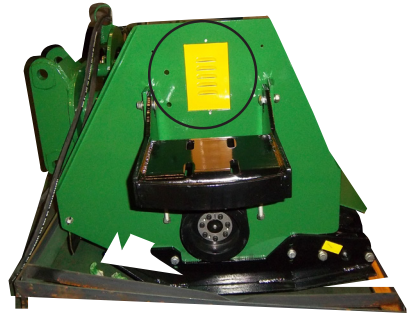
Install the outriggers M on the three-point hitch assembly, lock with pin. Mount the PTO guard N on the bevel gear.

## INSTALLATION 35-SK180/35-SK220

①

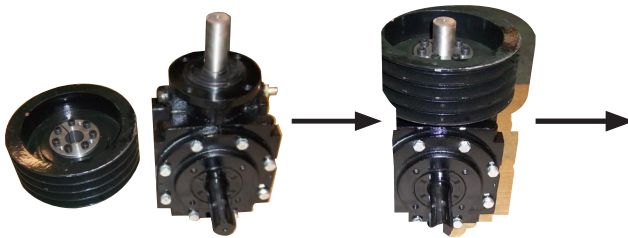


Mount gearbox bracket and secure.

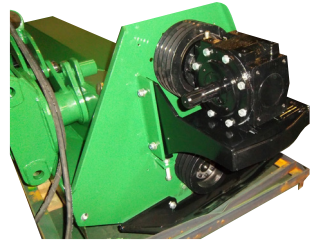


Remove the ventilation plate.

②



Install the pulley on the gearbox, do not tighten all the bolts yet.



Then mount the unit on the slope mower.

③



Install the belt (4x) on the pulleys, thread them over the gearbox and through the hole, then around the small pulley below.

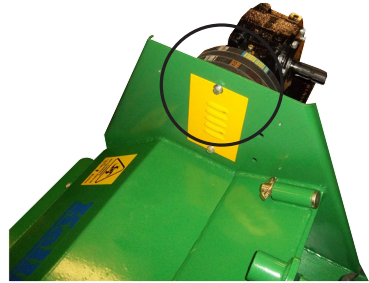


## INSTALLATION 35-SK180/35-SK220

④

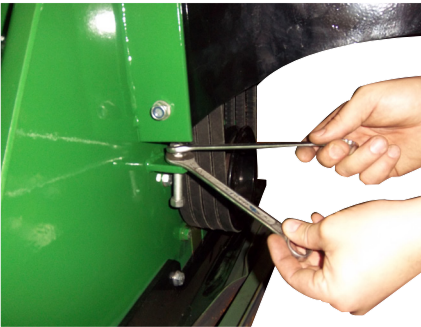


- Tighten the bolts on the clamping bush. •

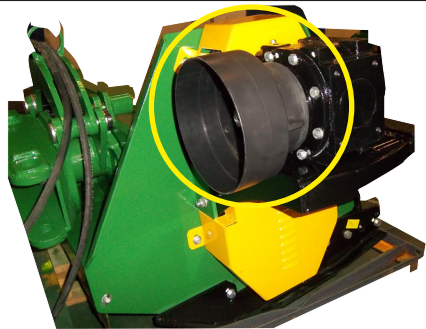


- Refit the ventilation plate, this time on the other side of the sheet metal cover.

⑤



- Adjust belt tension and tighten the bolts. When pressing the belt it should move about 20 mm



- Mount the PTO guard

⑥



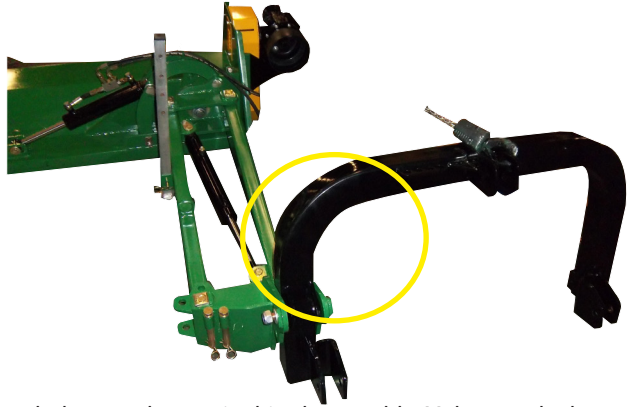
- Install the folding arm on unit, Lift the arm with help of the hoist or lifting equipment.
- Check before lifting that the chains and slings that are use can handle the mower's weight



- Attach the outriggers on the folding arm.

## INSTALLATION 35-SK180/35-SK220

Assemble the three-point hitch mount to the linkage, secure with a pin.



Pull the hydraulic hoses and attach them to the 3 point hitsch assembly. Make sure the hoses are inserted through the loops and that the hoses do not have any sharp bends or exposed to abrasion.

### SECURITY DURING TRASPORT

The machine should be secured during transportation. Pins should be mounted to prevent the unit from any unpredictable movement.

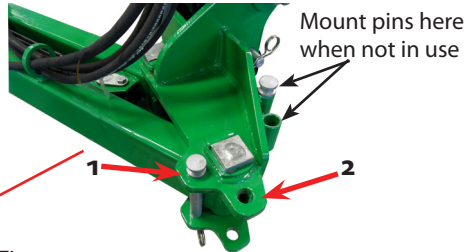
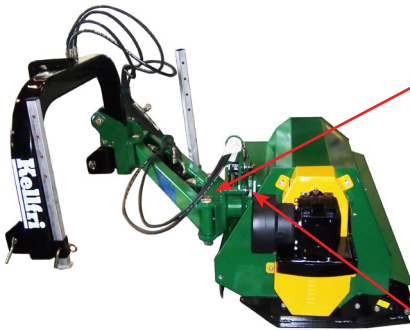


Figure 1  
Locking pins (1+2) locks the lifting arm from moving sideways. Mounting only pinnr.2 limits the arms distance on it's sideways movement.



Locking position 1 locks the cutting head horizontally. Turning the cutting head upright (locking position 2) locks the cutting head in transporting position. Take off the locking pin and mount it on the tube (T) during operation. Note! Check that the locking pin is not installed before operation.

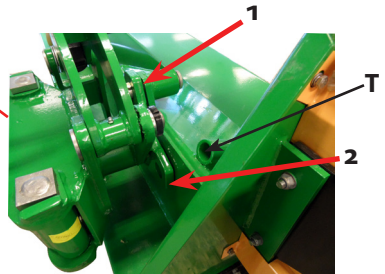


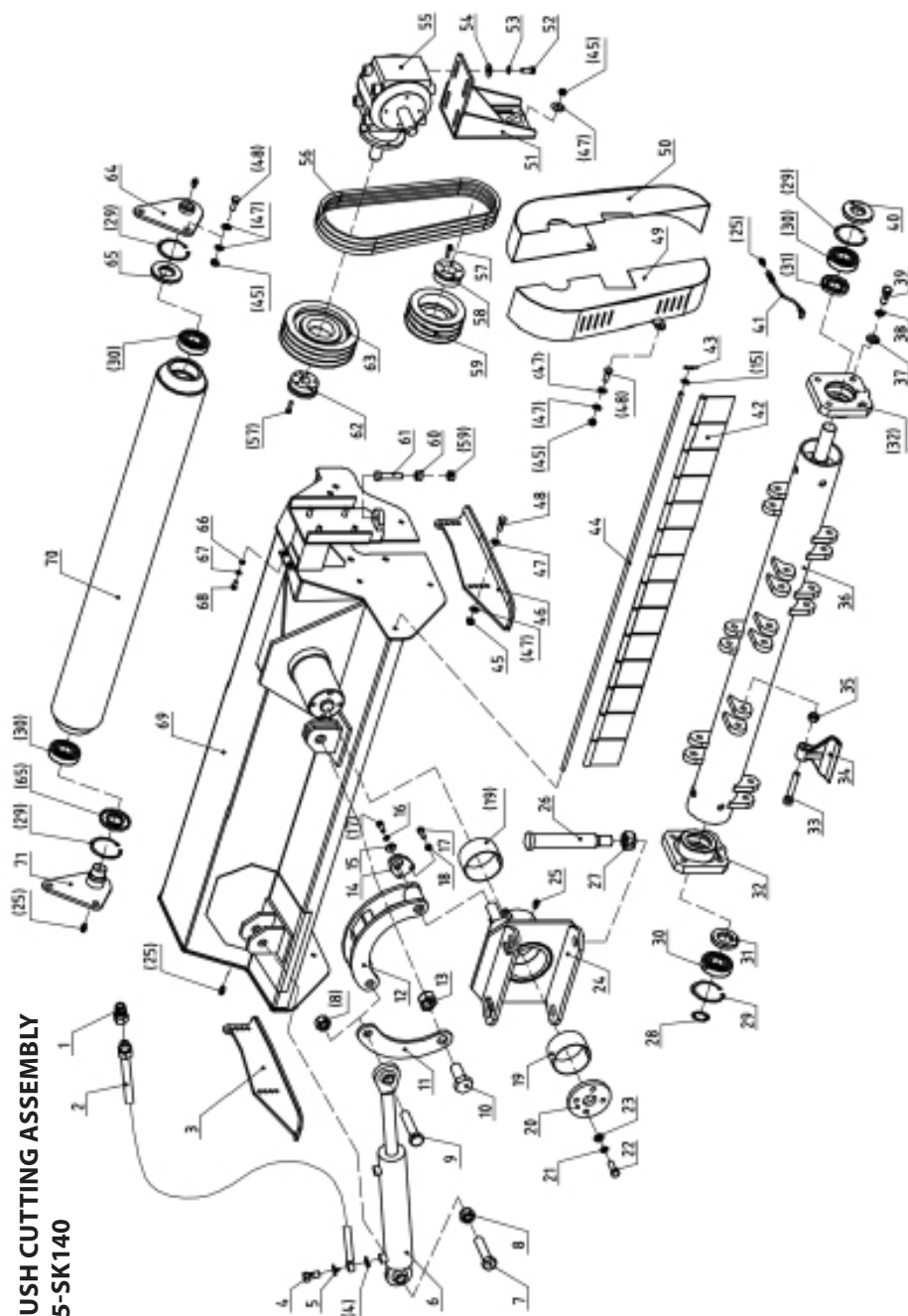
Figure 2

## PARTS LIST SK-140

ART.NR	SPECIFICATION	POS. DRAWING 1	POS. DRAWING 2
R35-SK140.001	Tiltcylinder	6	
R35-SK140.002	Turning cylinder		6
R35-SK140.003	Bearing housing	32	
R35-SK140.004	Flail	34	
R35-SK140.005	Gear box	55	
R35-SK140.006	Grease fitting M10x1	24	
R35-SK140.007	Bearing 1308	30	
R35-SK140.008	Lock nut M16	35	
R35-SK140.009	Retaining ring 40mm	29	
R35-SK140.010	Belt	56	
R35-SK140.011	PTO		
R35-SK140.014	3 point hitch		19
R35-SK140.015	Outriggers		22
R35-SK140.016	Protective cover - right	49	
R35-SK140.017	Banjo bolt M16X30	4	
R35-SK140.018	Protective cover- left	50	
R35-SK140.019	Protective covering	42	
R35-SK140.020	Hydraulic hose	2	2
R35-SK140.021	Support roll holder - Right	71	
R35-SK140.022	Support roll holder - Left	64	
R35-SK140.023	Bearing	30	
R35-SK140.024	Lower puller	59	
R35-SK140.025	Upper pulley	63	
R35-SK140.026	Clamp bushing	58	
R35-SK140.027	Clamp bushinf	62	
R35-SK140.028	Lubricating hose	41	
R35-SK140.029	Outtrigger		12

For ordering spare parts: Contact Kellfri Retailer

# **BUSH CUTTING ASSEMBLY** **35-SK140**





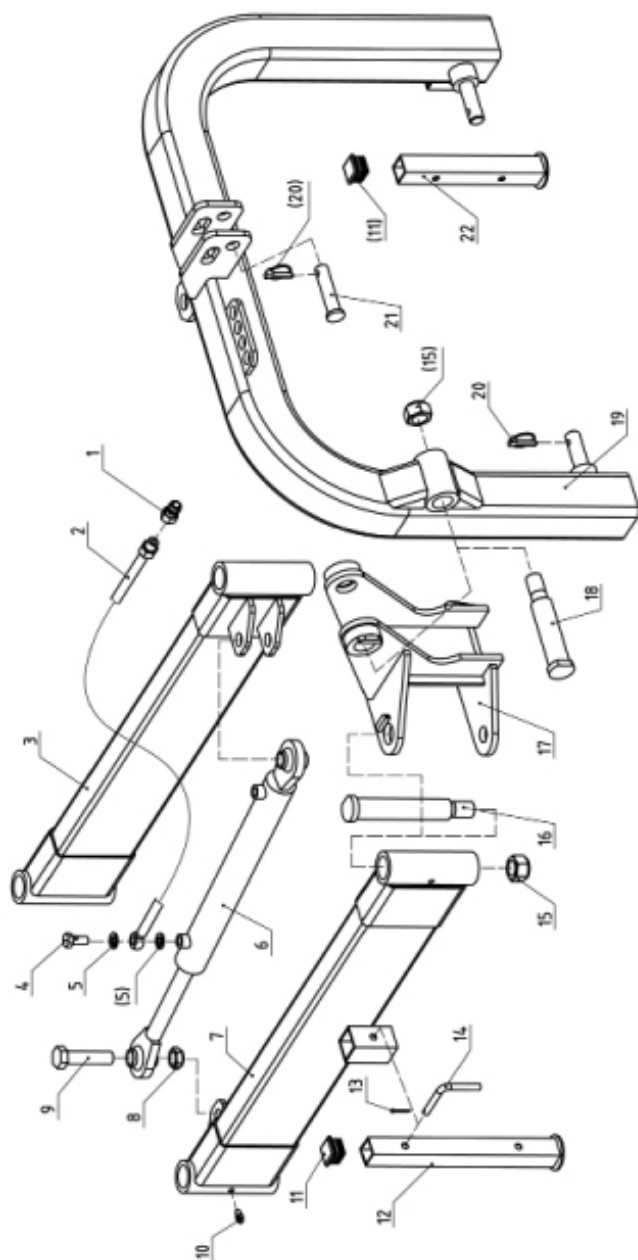
**RITNING 1: BUSH CUTTING ASSEMBLY SK140**

NO.	SPECIFICATION	QTY
1	Quick connector 1/2 NPT	2
2	Oil hose	2
3	Adjust plate (right)	1
4	Hollow blot M16X1.5	2
5	Seal washer	4
6	Overturning cylinder	1
7	Bolt M24X100	1
8	Locknut M24	3
9	Bolt M24X110	1
10	Bolt M30X70	1
11	Moon plate	1
12	Connecting bracket	1
13	Locknut M30	1
14	Linking baffle	1
15	Plain washer 10	3
16	Spring lock washer 10	1
17	Bolt M10×30	3
18	Lock nut M10	1
19	Bronze bearing	2
20	Limit plate	1
21	Spring lock washer 14	4
22	Bolt M14×10	4
23	Plain washer 14	4
24	Overturning bracket	1
25	Oil cup M10X1	6
26	Long axle pin	1
27	Locknut M30×2	2
28	Circlip for shaft 40	1
29	Circlip for hole 90	4
30	Self-aligning bearing 1308	4
31	Oil seal 45×80×12	2
32	Bearing block	2
33	Bolt M16×100	12
34	Blade	12
35	Locknut M16	12
36	Blade axle	1

**RITNING 1: BUSH CUTTING ASSEMBLY SK140**

NO.	SPECIFICATION	QTY
37	Plain washer	8
38	Spring lock washer	8
39	Bolt M16×40	8
40	Oil seal 40×90×12	1
41	Greaser	1
42	Baffle	14
43	Round pin 4×20	2
44	Axle for baffle	11
45	Locknut M12	14
46	Adjust plate(left)	1
47	Plain washer 12	20
48	Bolt M12×35	10
49	Belt cover(left)	1
50	Belt cover (right)	1
51	BCR140.013	1
52	Bolt M12×30	4
53	Spring lock washer 12	4
54	Plain washer 12	8
55	Gear box	1
56	Belt	3
57	HEX.head bolt M8×30	10
58	Swellable sleeve 40X80	1
59	BCR140.104 Belt pulley(little)	1
60	Nut M16	2
61	Bolt M16×80	1
62	Swellable sleeve 33X80	1
63	Belt pulley(large)	1
64	Hanging plate(left)	1
65	Oil seal 45×90×10	2
66	Plain washer 8	2
67	Spring lock washer	
68	Bolt M8×20	2
69	Blade axle cover	1
70	Roller	1
71	Hanging plate(right)	1

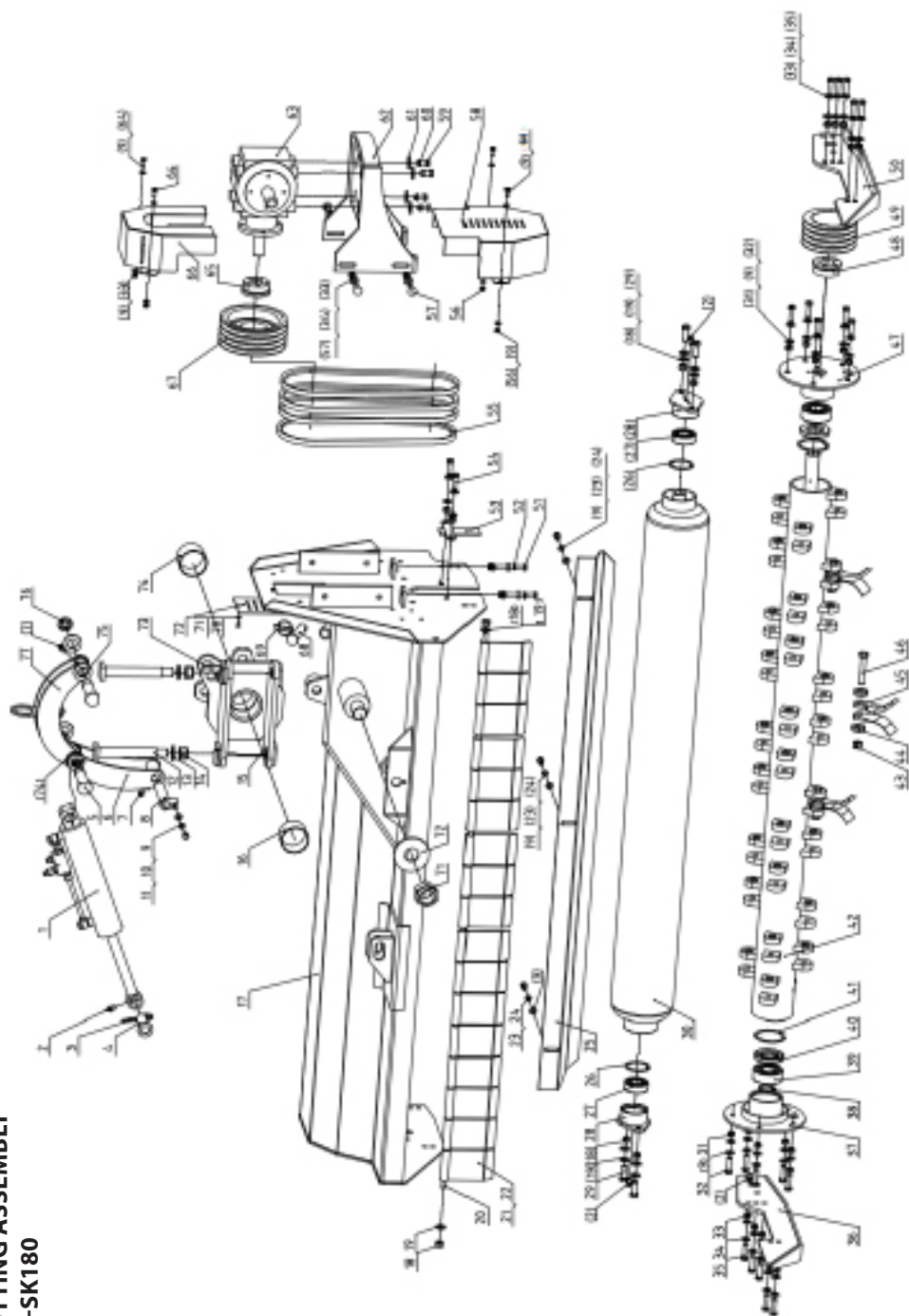
**LIFTING ASSEMBLY  
35-SK140**



**LIFTING ASSEMBLY**

NO	SPECIFICATION	QTY
1	Quick connector 1/2 NPT	2
2	Oil hose	2
3	Link square tube (L)	1
4	Hollow blot M16*1.5	2
5	Seal washer	4
6	Swing cylinder	1
7	Link square tube (R)	1
8	Locknut M24	2
9	Bolt M24*100	2
10	Oil cup M10*1	4
11	Rubber cover	2
12	Long stabilizer	1
13	Split pin 4*30	2
14	Orthogonal pin	2
15	Locknut M30*2	2
16	Long axle pin	2
17	Link bracket	1
18	Short axle pin	1
19	Lifting bracket	1
20	Lock pin	3
21	Lifting pin	1
22	Short stabilizer	1

# CUTTING ASSEMBLY 35-SK180



**CUTTING ASSEMBLY SK180**

No	SPECIFICATION	QTY
1	Overturning cylinder	1
2	Nipple M10*1	4
3	R pin	1
4	Axle pin weldment 2	1
5	Overturning connecting pin	2
6	Overturning supported plate weldment	
7	Nipple M6*1	2
8	Axle pin weldment	1
9	Flat washer 10	32
10	Spring washer 10	4
11	Bolt M10*20	1
12	Long axle pin weldment	2
13	Flat washer 24	3
14	Lock nut M24	3
15	Overturing frame weldment	1
16	Bronze bearing 80*85*55	1
17	Hood weldment	1
18	Lock nut M14	6
19	Flat wahsher 14	12
20	Baffle shaft	1
21	Big baffle	23
22	Small baffle	2
23	Spring washer 10	3
24	Bolt M10*20	3
25	Rear scraper	1
26	Ring of holes 90	2
27	Self-aligning ball bearing 2207	2

**CUTTING ASSEMBLY SK180**

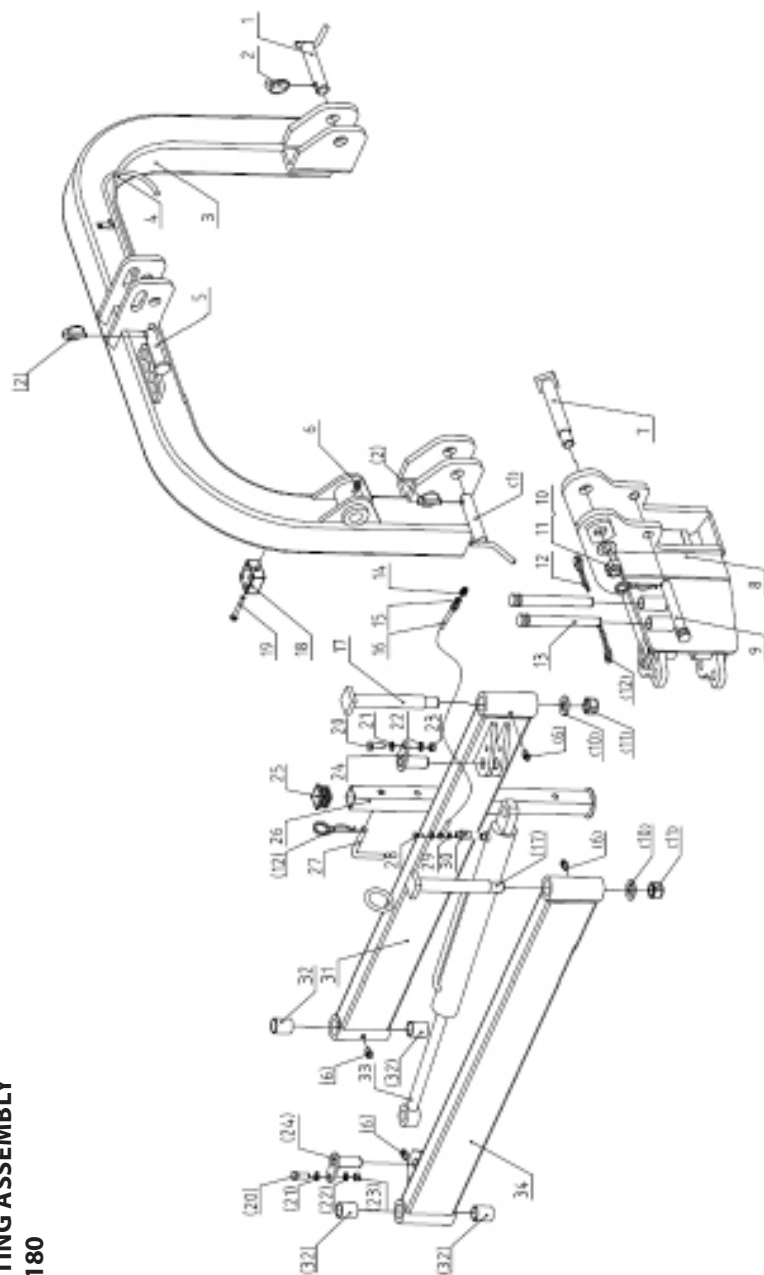
No	SPECIFICATION	QTY
28	Roller bearing part weldment	2
29	Bolt M14*40	4
30	Roller weldment	1
31	Lock nut M10	10
32	Bolt M12*35	10
33	Lock nut M12	16
34	Flat wahser 12	32
35	Bolt M12*45	10
36	Right adjusting plate weldment	1
37	Left bearing block of axis	1
38	Ring of holes 40	1
39	Self-aligning ball bearing 2308	2
40	Sealing 50*90*12	2
41	Ring of holes 90	2
42	Blade axle weldment	1
43	Lock nut M16	40
44	Blade sleeve	48
45	Blade	48
46	Bolt M16*100	40
47	Right bearing block of axis	1
48	Sealing 40*85*12	1
49	Small belt pulley	1
50	Left adjusting plate weldment	1
51	Bolt M12*80	2
52	Nut M12	4
53	T-plate weldment	1

**CUTTING ASSEMBLY SK180**

No	SPECIFICATION	QTY
54	Bolt M12*25	2
55	Belt BX51 4	4
56	GB6184-86 Lock nut M10 2	2
57	Round head square neck bolts M12X35	4
58	Undered pulley cover weldment 1	1
59	Bolt M12*30	4
60	Spring washer 12	4
61	Wahser 12	4
62	Bracket weldment of gearbox	1
63	Gearbox 1	1
64	Bolt M10*25	4
65	Tension roller 33*80	1
66	Uppon pulley cover weldment	1
67	Big belt pulley	1
68	Uppon hanging pin	1
69	Latch assembly	1
70	Bolt M6×12	2
71	Washer 6	2
72	Lock nut M42	1
73	Turbogrid palte	1
74	Bronze bearing 80*85*60	2
75	Overturning frame weldment	7
76	Washer 30	1
77	Overturing connected plate weldment	1

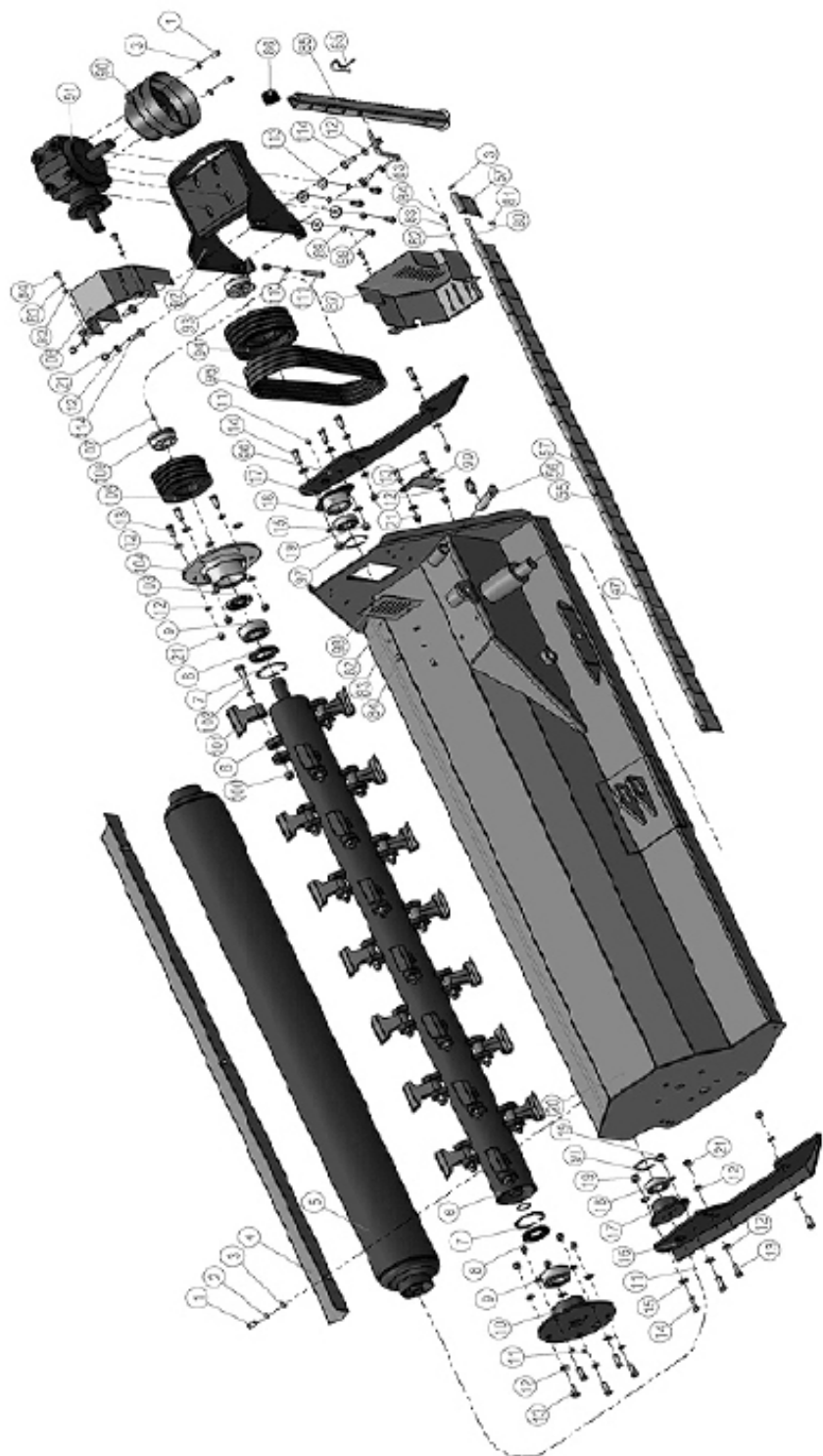
# LIFTING ASSEMBLY

## SK180



**LIFTING ASSEMBLY SK180**

No	SPECIFICATION	QTY
1	Under hanging pin weldment	2
2	Latch assembly	3
3	Lifting frame weldment	1
4	Hook	1
5	Upon hanging pin weldment	1
6	Nipple M10*1	5
7	Short axis pin weldment 1	1
8	Lifting connected bracket weldment 1	1
9	Protective Pin 1	1
10	Flat washer 24	1
11	Lock nut M24	1
12	R pin 5	4
13	Protective Pin 2	2
14	Quick joint G1/2	2
15	Combined washer G1/2	1
16	Oil Tube	2
17	Long axis pin weldment	2
18	Double-layer pipe clamp 15	1
19	Bolt M8*65	1
20	Bolt M8X35	2
21	Flat washer 8	4
22	Spring wahser 8	2
23	Nut M8	2
24	Fuel tank connecting pin weldment 2	2
25	Foot cover 1	1
26	Foot pipe weldment 1	1
27	Right-angle pin 1	1
28	BCR1200.118 Hinge bolt G3/8-19	2
29	Washer 12	4
30	Adaptor 1	2
31	Right connecting pipe weldment 1	1
32	Bronze bearing 30*34*40	8
33	Swing cylinders	1
34	Left connecting pipe weldment	1





**KLIPPHUVUD: 35-SK220**

NR.	BENÄMNING	ANTAL
1	Bolt M10 x 20	6
2	Washer 10	6
3	Washers 10 × 2	8
4	Scraper	1
5	Reel	1
6	Beam assembly for the flail	1
7	Circlip 90	2
8	Sealing	2
9	Spherical bearings 2308	2
10	Bearing seat	1
11	Grease fittings	8
12	Washers 12 × 2.5	36
13	Hexagonal bolt M12 * 35	14
14	Hexagon bolt M14 × 40	4
15	Washers 14 x 2.5	8
16	Guide plate - right	1
17	Bearing seat	2
18	Aligning ball bearings 2207-RS	2
19	Lock nut M14	4
20	Cover	1
21	Lock nut M12	20
47	Splash cover	1
55	splash cover	4
56	Locking pin	2
57	Splash cover	23
63	Locking pin - support foot	2
64	Locking pin	2
65	R pin - color zinc	5
80	Flap shaft	1
81	R-pin 3.2 * 25	2
82	Washers	6
83	Spring washer 8	6

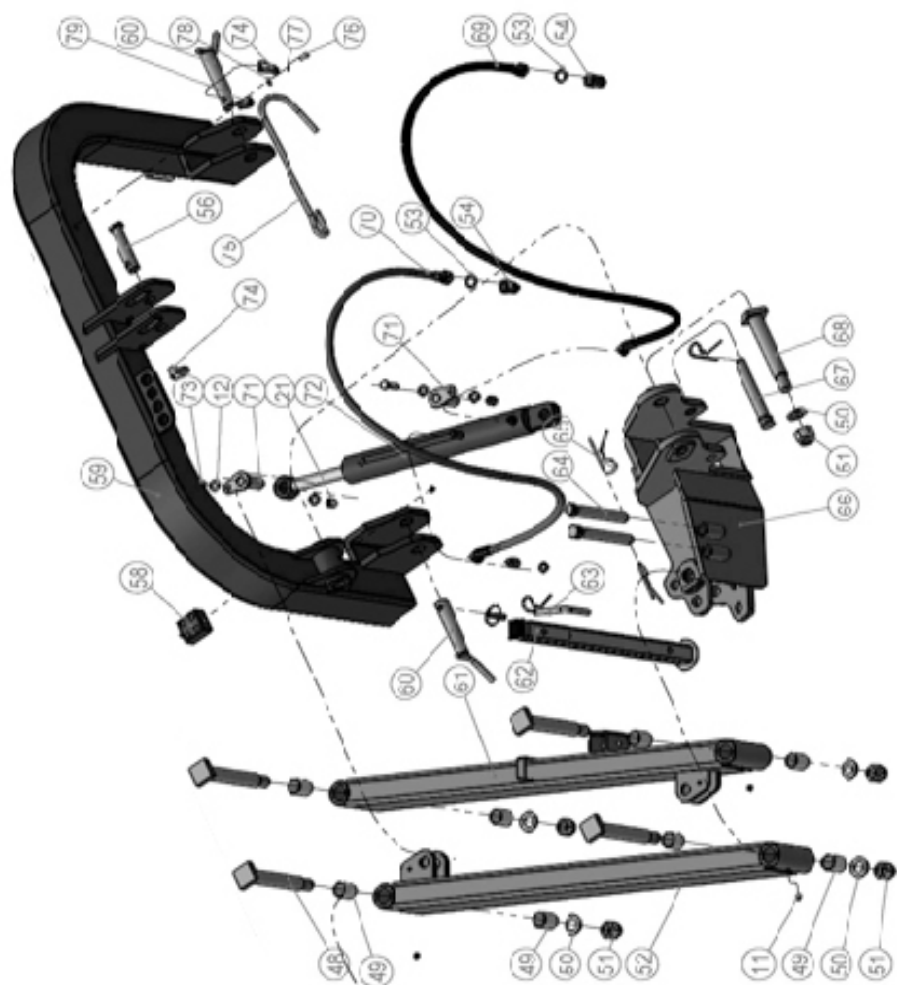
**KLIPPHUVUD: 35-SK220**

NR.	BENÄMNING	ANTAL
84	Full threaded bolts,	6
85	Support foot - square profile	1
86	Plastic plug to support foot	2
87	Belt guard bottom	1
88	Hex Bolt M12 * 30	4
89	Rubber Washer	4
90	K-shoulder protection	1
91	BCR gearbox	1
92	Gearbox	1
93	Clamp Bushing	1
94	Large pulley	1
95	Three belts -BCRI	4
96	Left - slitmed	1
97	Circlip 72	2
98	Ventilation plate	1
99	T-shaped plate	1
100	Lock nut M16	28
101	Flail	28
102	Hex Bolt M16 * 95	28
103	Sealing	1
104	Left - bearing seat	1
105	Small pulley	1
106	Clamp Bushing	1
107	Grease nipple	1
108	Belt cover - top	1
109	Washer 16	4
110	Nut	4
111	Hex M12 * 80	2
112	Snap ring 40	1
113	Large tray 12 × 3	4
114	Carriage bolts M12 × 45	4









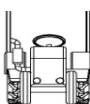

**35-SK220**

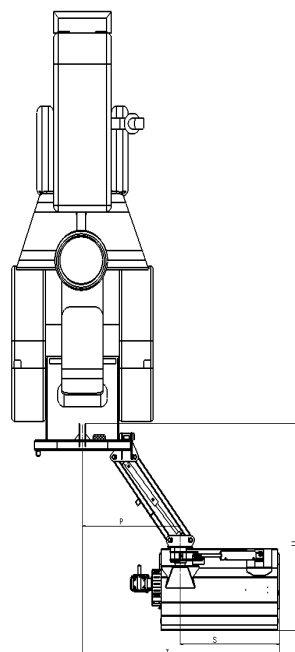
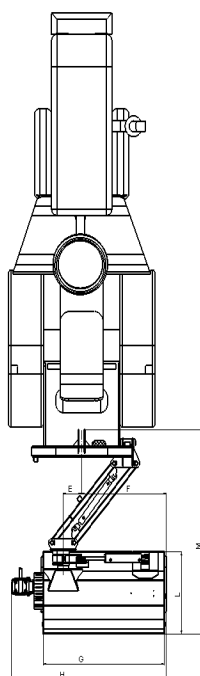
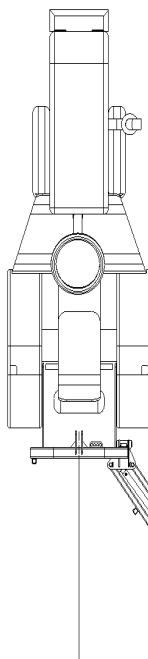
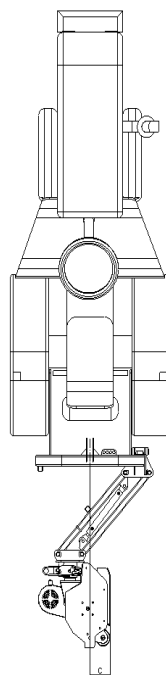
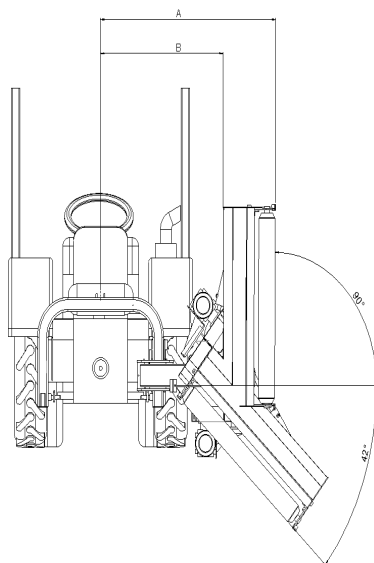
<b>NR.</b>	<b>BENÄMNING</b>	<b>ANTAL</b>
1	Bolt M10 x 20	6
2	Washer 10	6
3	Washers 10 × 2	8
22	Washers 30 × 4	6
23	Tilt cylinder	1
24	Locking pin 2	1
25	Sprint 5 * 50	1
26	Tilt cylinder-stödplatta (crescent)	1
27	Grease nipple	3
28	Sprint	1
29	Lock nut M42	1
30	Large tray	1
31	Fastening - linkage	1
32	Sprint	2
33	Bearing	1
34	Round nut M30 * 1.5	2
35	Bearing	1
36	Spring washer 30	2
37	Tilt cylinder-stödplatta (crescent)	1
38	Banjo bolt	2
39	Tredobricka	7
40	Hydraulic locking (with hose)	1
41	Hydraulic Hose	1
42	Adapter 2	3
43	Adapter 1	3
44	Hydraulic hose to the cylinder	1
45	Connection G1 / 4	1
46	Hydraulic hose to the control valve	1
53	Tredo washer	4
54	Quick Coupling	4
109	Washer 16	4

























NR.	BENÄMNING	ANTAL
11	Grease nipple	8
12	Washers 12 × 2.5	36
21	Lock nut M12	20
48	Sprint - locking lift arms	4
49	Bearing	8
50	Washers 24 × 4	5
51	Lock nut M24	5
52	Lifting Arm - left	1
53	Tredo washer	4
54	Quick Coupling	4
58	Pipe coupling - double	1
59	Three point mount	1
60	Locking pin - lower suspension	2
61	Lift arm - right	1
62	Support foot	1
63	Locking pin - support foot	2
64	Locking pin	2
65	R pin - color zinc	5
66	Linkage - attachment for lifting arm and 3 point	1
67	Locking pin 1	1
68	Locking pin	1
69	Hydraulic hose hose (2000 mm)	1
70	Swing-out hydraulic hose (2150 mm)	1
71	Cylinder	2
72	Turn cylinders	1
73	Hexagon M12 * 40	2
74	Locking pin	4
75	Hook drive shaft	1
76	Hexagon M6 * 16	1
77	Spring washer 6	1
78	Washers 6 × 1.6	1
79	Spring	1

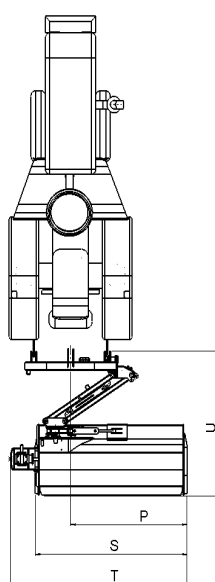
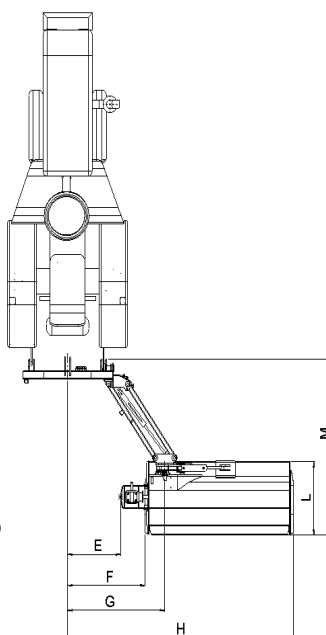
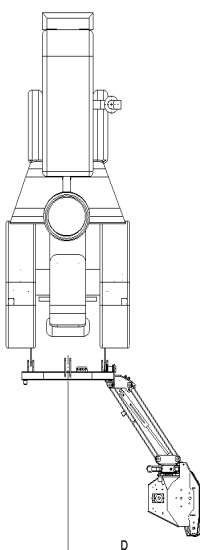
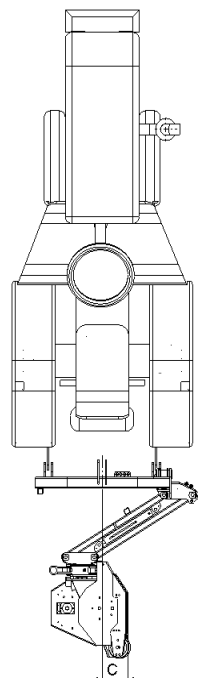
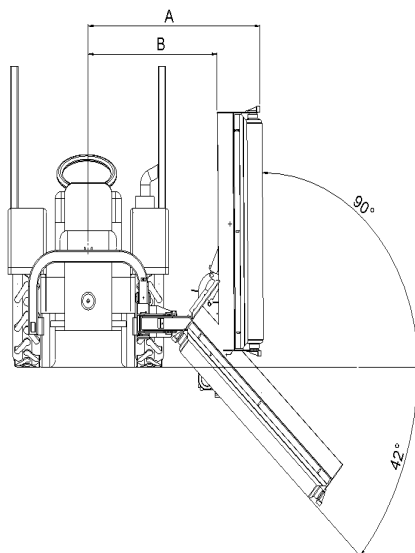
# **MODEL: SK140**

A	162 cm
B	113 cm
C	24 cm
D	161 cm
E	24 cm
F	98 cm
G	140 cm
H	180 cm
L	77 cm
M	192 cm
P	118 cm
S	120 cm
T	238 cm
U	196 cm
	50 hk
	20 st
	540 rpm
	Kat 2
	3 st
	555 kg
	45-65 hk
	140 cm





















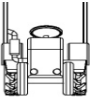



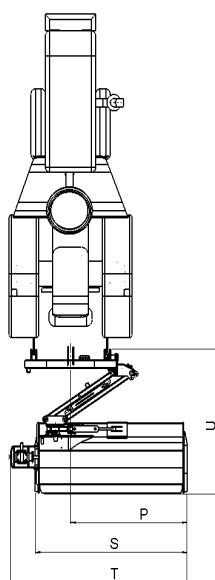
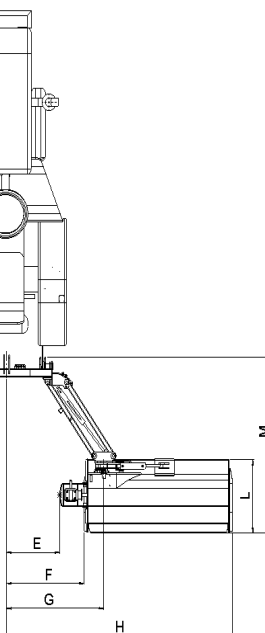
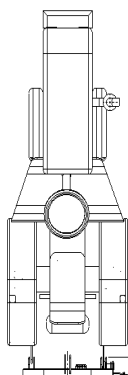
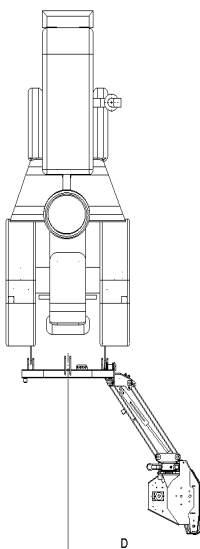
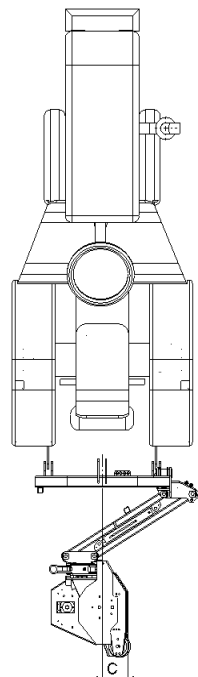
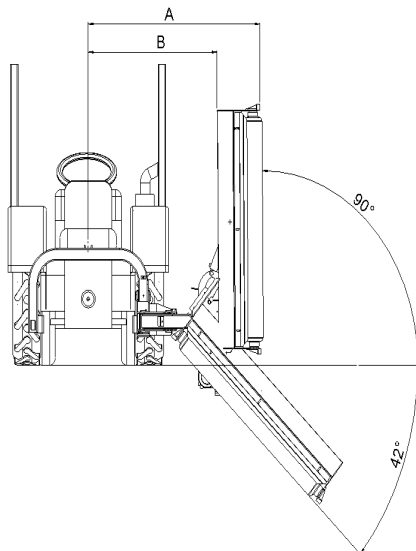
# **MODEL: SK180**

	A 182 cm
	B 137 cm
	C 24 cm
	D 183 cm
	E 75 cm
	F 110 cm
	G 138 cm
	H 301 cm
	L 86 cm
	M 204 cm
	P 142 cm
	S 191 cm
	T 225 cm
	U 174 cm
	50 hk
	24 st
	540 rpm
	Kat 2
	4 st
	660 kg
	70-90 hk
	175 cm



# **MODELL: SK220**

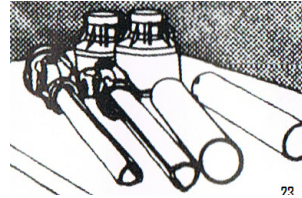
	A 182 cm
	B 137 cm
	C 26 cm
	D 183 cm
	E 76 cm
	F 110 cm
	G 138 cm
	H 341 cm
	L 86 cm
	M 204 cm
	P 182 cm
	S 231 cm
	T 265 cm
	U 174 cm
	50 hk
	32 st
	540 rpm
	Kat 2
	4 st
	700 kg
	70-90 hk
	215 cm





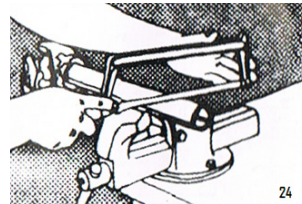
## INSTRUCTIONS FOR SHORTENING OF THE PTO SHAFT

23. Remove the guard cover

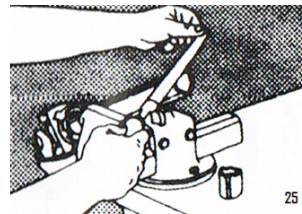


24. Cut the transmission shaft to the desired length.

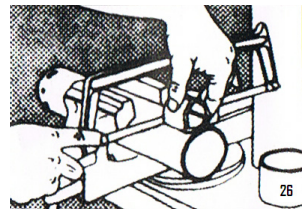
**NOTE!** the shaft cannot be cut more than half the length of the tube



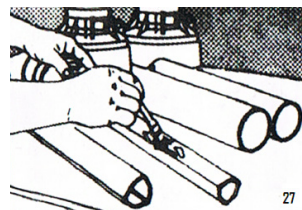
25. File outer edges



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



27. Lubricate the transmission shaft and mount the guard.





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.

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

**Defect product / part:**

.....

**Problem description:**

.....

.....

**Describe the sequence of events:**

.....

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.....

**Other:**

.....

.....

**Submit Complaint form and photo to:**

**Kellfri AB**

**Division of Services : Contact Kellfri retailer**

**Or e-mail service.**

**info@kellfri.se**

<b>Signature:</b>	<b>Date:</b>
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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 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 out of 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

Kelfri AB

Munkatorpsgratan 6

532 37 Skara, Sweden

Declares that the machine

Name: Verge flail mower

Type: 35-SK140 35-SK180

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

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

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### 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: +46 (0)511 - 168 33**

**E-post: [info@kelfri.se](mailto:info@kelfri.se)**

**Kelfri®**

2015-03-13