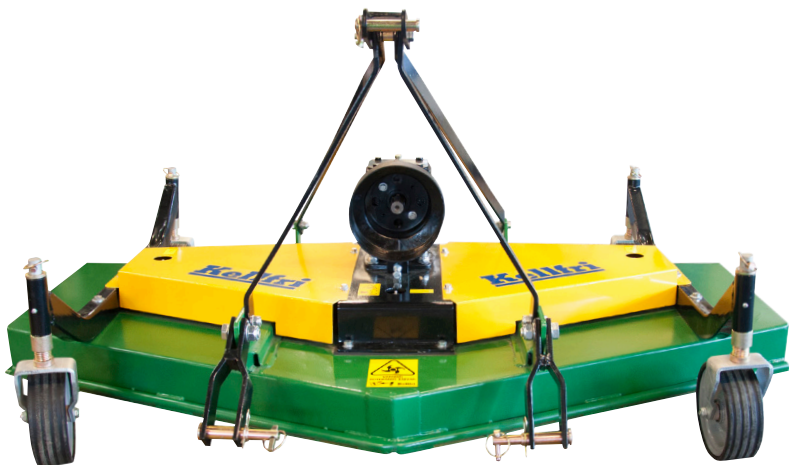




# **Kellfri<sup>®</sup>**

## **31-FM180 PARK MOWER**



**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

Kellfri's park mowers are designed to cut grass with high capacity. The powerful frame structure provides excellent operating even in difficult ground conditions. Supplied with PTO shaft as standard. The design allows cutting grass, brush and thinner shrubs. The rotating blades overlaps each other which provides a consistent cutting performance. Park mower's rotating blade arms means that it is absolutely forbidden to put your hands, feet or tools under the machine, or loosen the cover plates when the machine is working and running. It is very important that you read these instructions before installing the park mower and start any work. Read especially the section "Safety".

TECHNICAL DATA	31-FM180
Dimensions (LxWxH), mm	1892 x 1450 x 600
Weight, kg	230
Working Width, mm	1790
PTO	6x8x1000
Speed / min	540
Capacity, m <sup>2</sup> / h	5000-13000
Power requirement, hp	20 - 35
Gearbox oil 80/90	1-1,2 L

## SAFETY INSTRUCTIONS

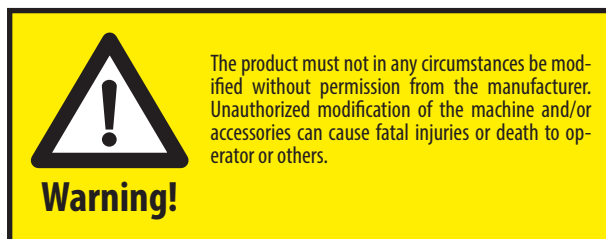
Before using the equipment or product, and for the safety of yourself and others, you must read the safety instructions and the instruction manual and understand its contents. Always keep the safety instructions and instruction manual handy for users of the equipment or product. For the safety of both 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, Munkatorpsgratan 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 comply with general rules of the road and applicable rules stipulated by the Protection of Animals Act. People under the age of 15 are not allowed to use the equipment.



## PRODUCT SAFETY INFORMATION

- Read the instruction manual carefully before using the machine.
- Never stick your hands or feet under the machine without stopping the implement and the tractor 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 equipment up-lifted, the hydraulics can lose pressure which can cause the equipment to fall down.
- Ensure that all guards are always mounted and does not come loose.
- The PTO shaft must be protected over its entire length.
- Make sure to anchor the safety chain well.
- Only the operator of the tractor must be in the vicinity of the machine during work.
- Check before driving that no rocks sticking up on the field.







## INSTRUCTION FOR 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.

**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 operating manual! Before carrying out work Warning! Before maintenance, servicing the tractor must be turned off.
	Warning for power lines!
	Rotating Blades
	Prohibition to Stay on the Machine
	Warning! Accident risk for children!
	The product 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.



## 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.



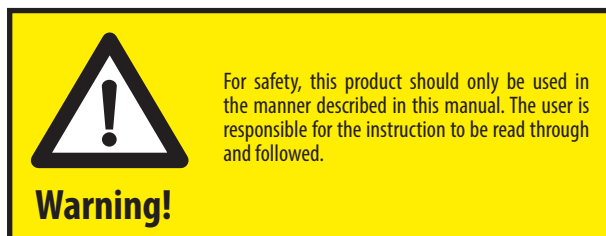
## BEFORE USING

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

Always check the performance of the machine combination to be used. Importantly, these harmonize and match in a satisfactory manner. This is to ensure the implement function and your and others' safety.

Visually inspect the gear or the product before use. Fix or replace damaged and worn parts immediately to reduce the risk of injury. Lubricate moving parts and check that all screw-nuts and bolts are tightened. Clearing when necessary.

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.



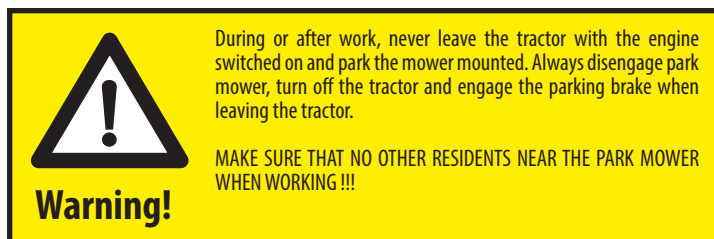
## OPERATING THE MACHINE

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 danger zone.



The rotating blade can hit rocks with a strong force. It is important that as working with the machine ensures that no one is near the machine and the tractor during operation. The machine is equipped with guard panels that prevents soil and stones to be thrown around the machine and protects the operator from the rotating blades.

**Adjusting the cutting height:** To achieve a smoother operation and to allow the machine to run in higher speed in variable cutting height the machine is equipped with four adjustable support wheels that can be easily adjusted to desire cutting height. The four support wheels have several holes in the mounting brackets. When you want to adjust the cutting height - lift the park mower and adjust the mounting screws into the desired height.



## 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!

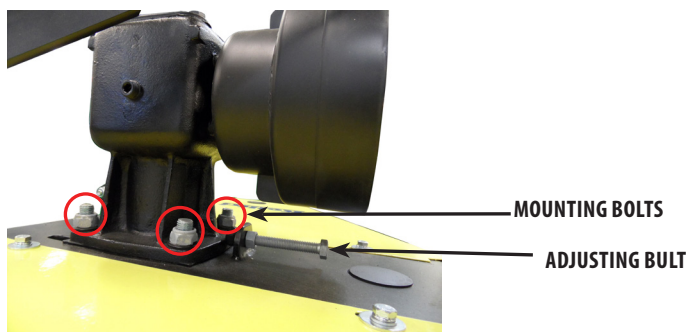
## MAINTENANCE AND SERVICE

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.

### Before carrying out service and maintenance on the park mower must:

- Turn off the tractor.
- Disconnect the shaft from the tractor.
- Apply the tractor's parking brake.
- Check the condition of the blades: Sharp blades gives a better result.
- When replacing the bolts, put a few drops of oil on the thread - it makes it easier to change next time. Securely tighten the bolts.
- Check gear oil level periodically. First oil change after 50 operating hours. Then every 100 operating hours or at least once per year.
- Lubricate each rotor with grease every 20 hours of operation. Grease fittings are located above the machine at each rotor.
- Check V-belts tension after the first two hours of operation. Thereafter, the tension should be checked periodically, preferably after each shift.
- Tension the belt by loosening the gearbox mounting screws and moving the gearbox. Tighten the belts (possibly with the help of a lever). Then retighten the fixing screws.
- Clean the mowers bottom part at regular intervals

Check all bolts and nuts are tightened after maintenance and service. Always test the machine before work is started.



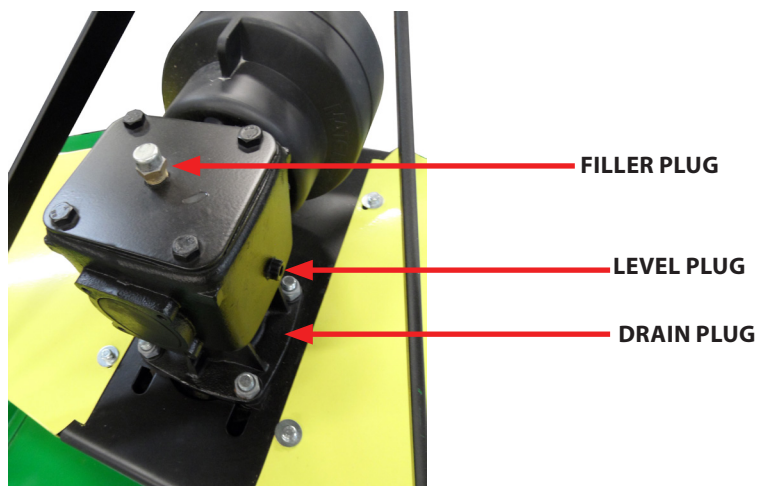
Check belt tension at regular intervals, adjust the tension if necessary. Loosen the mounting bolts and adjust the adjustment bolt until the belt tension.

## RECYCLING

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

## CUSTOMER SERVICE

You are always welcome to give feedback or ask us about our tools and products. Please contact your retailer



## SERVICE INTERVALS / MAINTENANCE

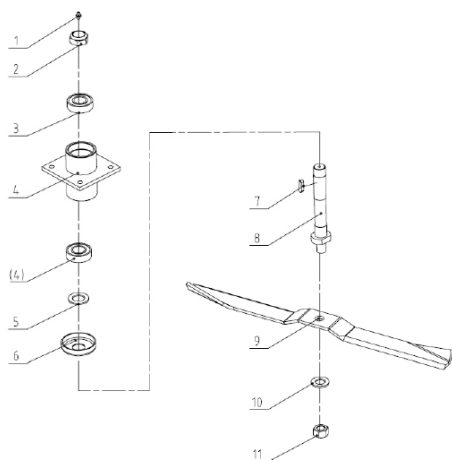
Before each run	Check the level Oil Type: 80W-90 Gear oil quantity: 1.5L
50 hours	First oil change
100 operating hours or minutes 1x / year	Oil change

## SPARE PARTS

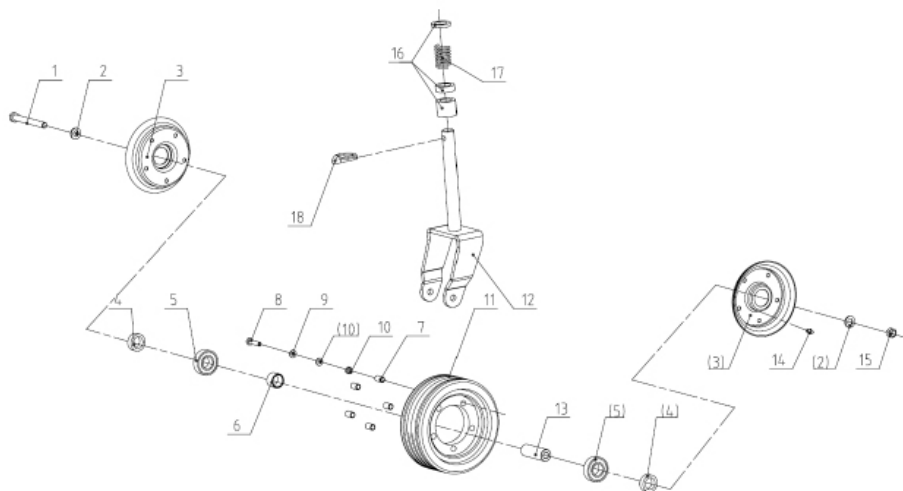
ART.NO.	DESIGNATION
R31-FM150.001	Gearbox fm150 fm180
R31-FM150.002	R10 ka.002 Protective Cover
R31-FM150.003	V-belt b1753 B69
R31-FM150.004	Knife clips 150
R31-FM150.005	Wheels and bracket fm150 fm180
R31-FM150.006	Wheel fm150 fm180
R31-FM180.001	H-bracket to the3-point fm150 fm180
R31-FM180.002	V-belt B76 1930
R31-FM180.003	Wheel bracket black for 2 wheels
R31-FM180.004	Knife for 31-FM180 31-fm180
R31-FM180.005	3-point linkage black upper
R31-FM180.006	Bolt / pin kit to three point

ART.NO.	DESIGNATION
R31-FM180.007	Bolt m16x65 knife arm bolt
R31-FM180.008	Spacer wheels
R31-FM180.009	Sleeve axle
R31-FM180.010	The knife shaft 225mm
R31-FM180.011	Housing knife shaft
R31-FM180.012	The knife shaft 207mm
R31-FM180.013	Nut lower cutter shaft m18 * 1.5 nyloc
R31-FM180.014	Pulley 140mm 1-grooves
R31-FM180.015	Pulley 140mm 2-grooves
R31-FM180.016	Pulley 245mm 2-grooves
R31-FM180.017	Protective cover bearing the knife shaft
R31-FM180.018	Nut upper knife shaft m24 * 1.5



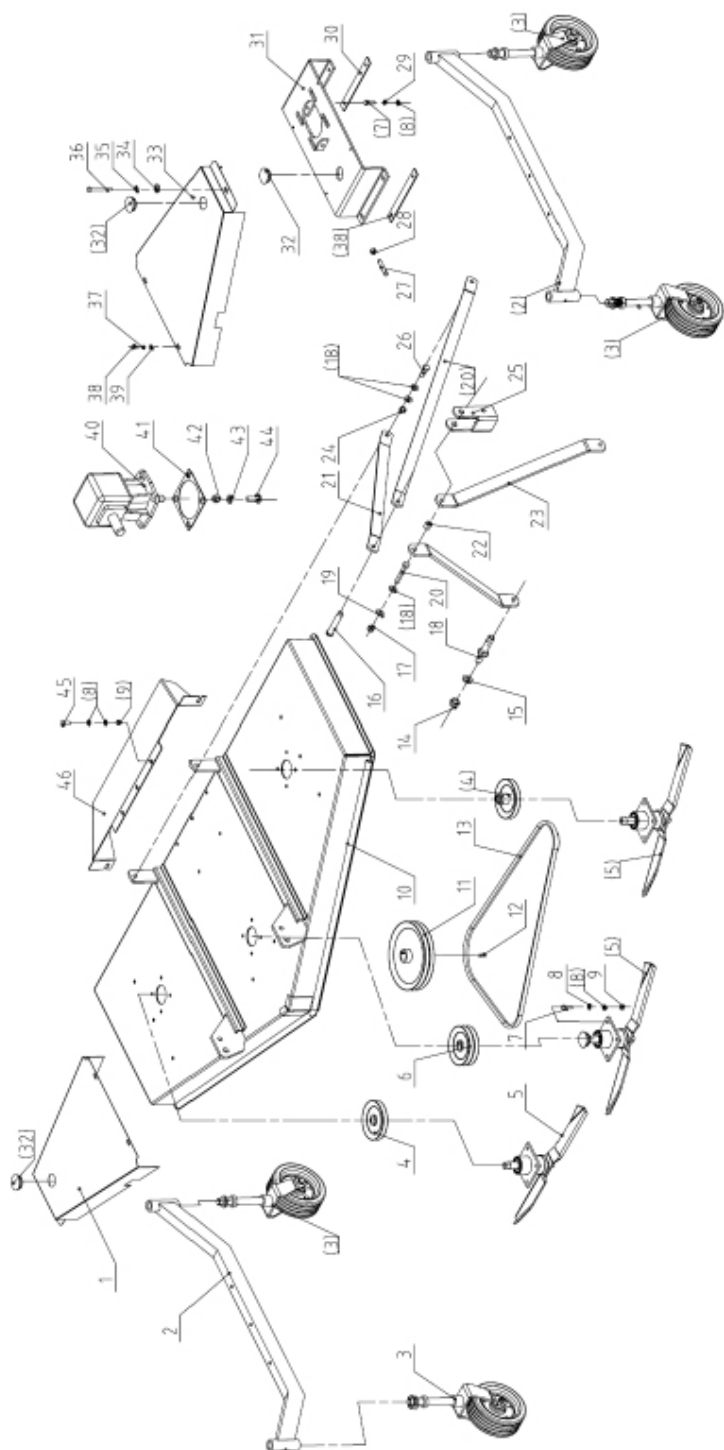


No.	Designation	Qty.
1	Grease nipple	1
2	Locking nut M24X1,5	1
3	Ball bearings 60205	2
4	knife bracket	1
5	Spacers	1
6	Lid	1
7	Wedge A8x28	1
8	Knife Axle	1
9	Knife	1
10	Washers 18	1
11	Locking nut M18x1.5	1



No.	Designation	Qty.
1	Bolt M12x110	1
2	Washer 12	2
3	Steel rim	2
4	Nylon Sleeve	2
5	Wheel 60205	2
6	Axle	1
7	Wheel Bushing	5
8	Bolt M8x35	5
9	Washer 4	10

No.	Designation	Qty.
10	Lock nut M14	5
11	Wheels	4
12	Wheel fork	1
13	Sleeve	1
14	Grease nipple M6	1
15	Locking nut	1
16	Adjustment sleeves	1 Set
17	Spring	1
18	Locking pin	1



No.	Designation	Qty.
1	Strap protective cover - left	1
2	Wheel Stand	2
3	Wheels	4
4	Pulley - Single	2
5	Knife - complete	3
6	Pulley - doubled (small)	1
7	Bolt M10x30	3
8	Washer	3
9	Lock nut M10	15
10	Machine cover	1
11	Pulley - double (large)	1
12	Wedge A10x40	1
13	Drive belt	2
14	Locking nut M20x1.5	2
15	Washer	2
16	Sprint - upper suspension	1
17	Lock nut M14	1
18	Sprint - Lower Suspension	2
19	Washer 14	2
20	Bolt m14x100	1
21	Rear hitch plate	2
22	Sleeve - upper	1
23	Front draw plate	2

No.	Designation	Qty.
24	Lock nut M14	4
25	H-bracket	1
26	Bolt M14x40	4
27	Bolt - square head M12x60	1
28	Nut M12	1
29	spring washer	4
30	Distance - rubber	2
31	Gearbox	1
32	Rubber plug	3
33	Strap protective cover - right	1
34	Washer 10	6
35	Spring washer	6
36	Bolt M10x90	6
37	Spring washer 8	4
38	Bolt M8x16	4
39	Washer 8	4
40	Gearbox	1
41	Spacers - gearbox	1
42	Lock nut M16	4
43	Washers 16	4
44	Trailer bolts	3
45	Bolt M10x25	3
46	The dispenser	1

## 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 | <ul style="list-style-type: none"><li>• Labour costs</li><li>• Travel expenses</li><li>• Any modification that the buyer himself has/had made.</li><li>• Any consequential damages that occurred out of damage to the machine.</li><li>• Damage due to normal deterioration of the machine, inadequate: service, user inexperience or use of spare parts which are not original.</li><li>• Wear parts such as hoses, seals, oils, and mechanical belts</li></ul> |

## 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: 31-FM180  
Type: Park 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

*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.

Kelfri AB  
**Telefon: 0046 (0)511 - 242 50**  
**Fax: 0046 (0)511 - 168 33**  
E-post: [info@kelfri.se](mailto:info@kelfri.se)

**Kelfri®**