



Kellfri[®]

21-TK18 WOOD CHOPPER GRAPPLE



READ THIS MANUAL CAREFULLY BEFORE USING THE PRODUCT !!!

TRANSLATED FROM THE ORIGINAL

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INTRODUCTION

Thank you for choosing a product from Kellfri AB. Compliance with the general safety instructions, instruction manual and sound common sense will guarantee many years of enjoyment using the product. Kellfri's equipment and products are aimed at self-employed farmers who have stringent performance demands.

PRODUCT INFORMATION

Kellfri Wood chopper grapple is designed to cut fast and efficient both horizontally and vertically. Easily mounted without additional hoses, it's operated through the grapple function of the crane. Easily adjusted using the levers on the valve from the cutting to gripping

INTENDED USE

The tool is intended for cutting and gripping shrubs and timbers

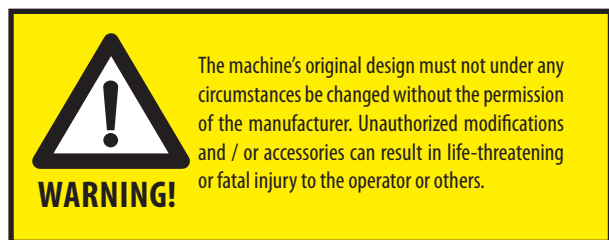
TECHNICAL DATA	21-TK18
System Pressure	170-220 bar
Opening Width	740 mm
Rotator Fixing	50 mm
Maximum cutting width, timber	upp till 180 mm
Maximum cutting width, shrubs / saplings	upp till 300 mm
Weight	195 kg
Oil Flow	25-50L/min

SAFETY INFORMATION

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 instruction manual is damaged or otherwise unusable, please contact your local retailer. For more information, visit our website <https://www.kellfri.co.uk/>
Kellfri AB Munkatorpgatan 6
532 37 Skara, Sweden
Tel: +46 (0)511-242 50

Do not use the equipment or product if you are feeling 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 Swedish Protection of Animals Act. People under the age of 15 are not allowed to use the equipment.



PRODUCT SAFETY INFORMATION

- Wood chopper grapple is intended to be mounted on a forestry crane with a rotator, not to an excavator or other machine with a fixed mounting.
- The tractor must be properly equipped for forestry operations and must be approved for the purpose.
- Forestry trailers must be CE marked.
- In case of overload of the base machine (crane), the load could fall uncontrollably. The equipment shall always be operated from the tractor cabin.
- Never leave the tractor until the equipment is unloaded and the tractor's brake is activated.
- Danger zone of 25 m. No one other than the operator may be present within the danger zone during operation.
- The operator or other person may never stand under suspended loads.







INSTRUCTIONS 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 accessible 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
	Danger Zone!
	Maximum load 400 kg (crane's maximum load)
	Warning! Suspended load!
	Risk of crushing!
	Read the instructions.
	The equipment is CE marked

PERSONAL PROTECTION

Always use suitable protection equipment. Do not wear loose clothing or jewellery while working with the equipment. Long hair should be tied up when working equipment that has moving parts. Use protective gloves as there is a risk of burns if any hot surfaces are touched such as exhaust pipes, and avoid getting oil and petrol on skin. Ear defenders must be worn whilst the engine is running. Helmets with ear defenders must be used while working to prevent knocks from the cabin sides and suchlike in uneven terrain. Wear protective boots with anti-slip soles.



SURROUNDINGS

Always use caution when operating the machine.

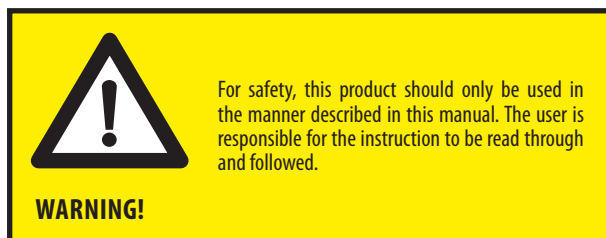
Check and make sure that the area is clear of people, children and objects before switching on or using the equipment. Risk of serious personal injury. Be especially careful if children are in the area where the equipment is being use or stored. Check that there are no low-hanging power lines within 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 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 User's manual before connecting the machine.



OPERATION

Only people who understand the safety information and instruction manual to operate this equipment. Be alert and careful when working with the equipment and only use the equipment in the manner described in the instruction manual. Avoid using of the equipment at temperatures lower than -20 ° C and higher than 30 ° C.

Check that the equipment is undamaged before connecting it to the crane. Connect the equipment and lock it in place. Regularly check the locking pin of the machine to the crane rotator. Disconnect the hydraulic hoses and ensure that they do not rub or get pinch against any obstacle. The rotator must always hang freely and vertically in the direction of the axle. The link pins must be locked in place using clip pins. Read through tractors and forestry trailer manual before driving.

Exercise caution when working with equipment with hydraulic hoses as oil under pressure can penetrate the skin. If this should occur please seek medical attention immediately.

Hydraulic system might not be 100% tight, the hydraulic control must be performed before the equipment is use. Leakage can be due to internal leakage in the tractor valve, electric valve on the front loader, internal leakage in the equipments hydraulic cylinder etc.. Check the extent of the leakage by running the equipments cylinder to it's end positions and keep up the pressure for 1 min. If the cylinder begins to "move" the other way, theres a leakage on the gasket inside the cylinder. The gasket or cylinder must be replaced.

Always work alone with the tools that are destined for this. Never overload the equipment and respect the risk zone.



AFTER USE

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

STORAGE

Always store the tool or product in a dry place preferably under cover when not in use. Ensure that the tool or product is stable and not likely to tip over. Never let children play at the storage site. Keep in mind the risk of tipping!

MAINTENANCE AND SERVICE

Make sure the trailer is stable and cannot tip over when carrying out maintenance and service work. Replace damaged or worn parts to reduce the risk of injuries. Carry out maintenance, service and checks with recommendations. Only use spare parts with equal performance to reduce the risk of injuries and breakdowns. Check all bolts and nuts are tightened after maintenance and service. Always test the machine before starting any operation.

WARNING! Replace loose bushings immediately! Backlash in the spring can lead to damage of the machine.

SERVICE INTERVALS / MAINTENANCE

Lubricate moving parts and check that all nuts and bolts are tightened before each use. Replace or sharpen the knife at noticeable wear.

RECYCLING

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

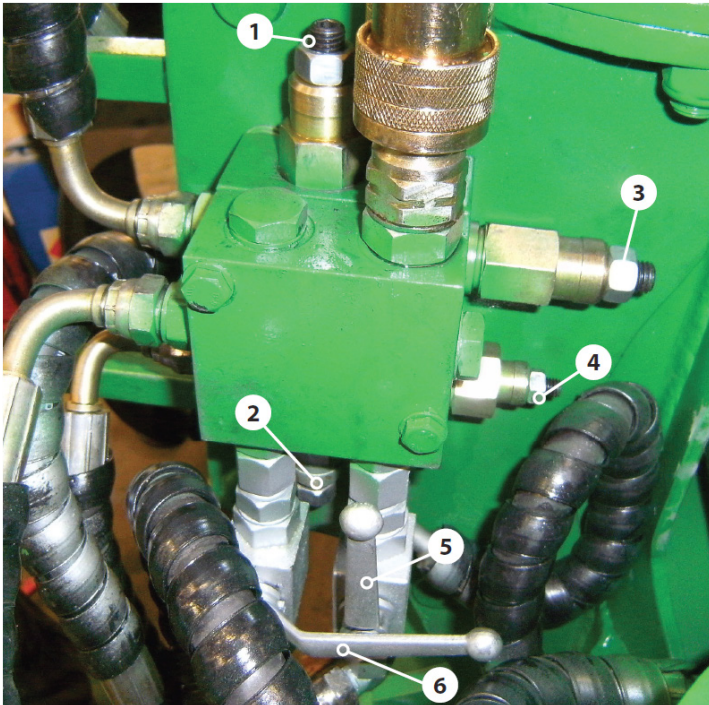
SETTINGS

Basic setting of the choke valves

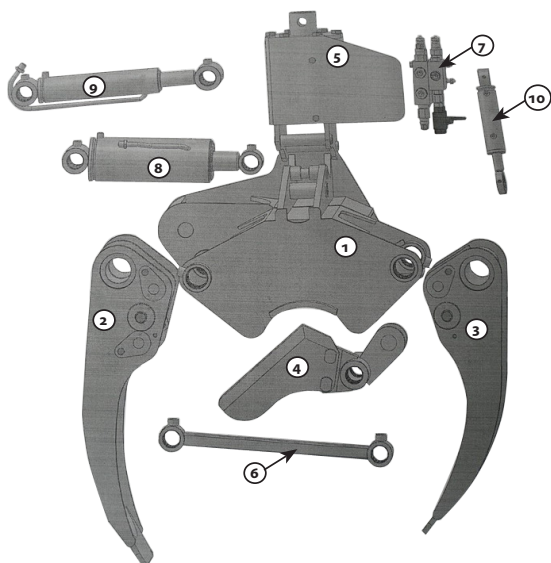
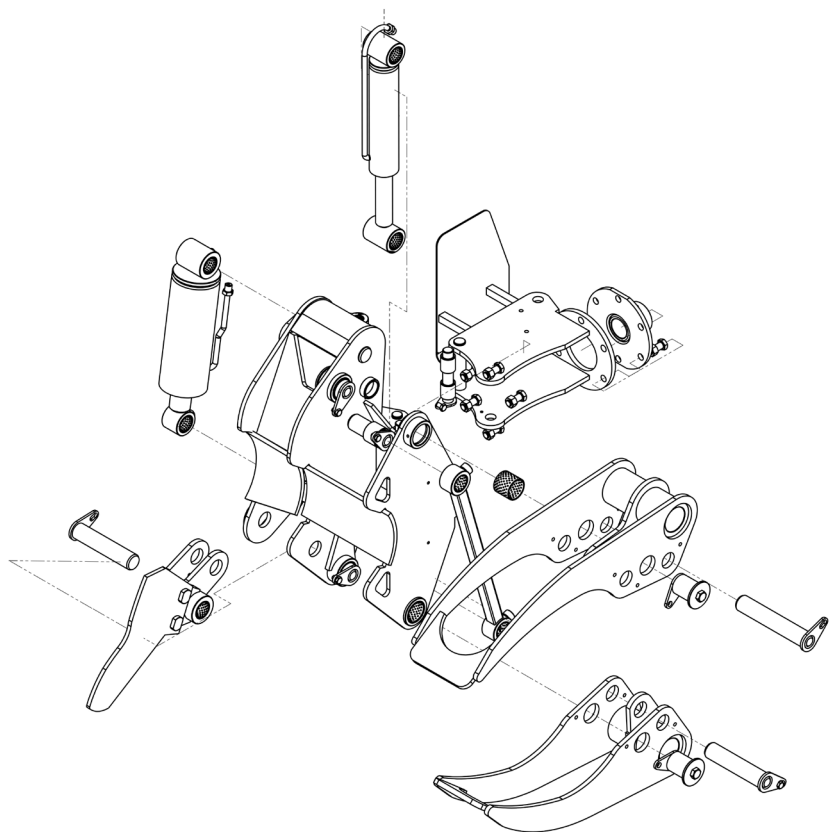
- Start with 1, 2, etc. Loosen the lock nut, then screw out the adjustment screw until you feel that the spring releases and the screw turns easily.
- Start now slowly screwing in the adjusting screw until the function works well and you are satisfied with the setting. Tighten the lock screw. Continue with 2, 3 and 4.
- After performing basic setting. It may need fine-tuning afterwards.

The wood chopper grapple is delivered with standard factory settings. Always test and get to know your wood chopper grapple before first actual use. If needed make adjustments. While adjusting it's important to make it in small steps, since a small adjustment can make a big change on the machines functions. If the screw is tightened, a higher pressure is needed to activate the function. Example: If the tilt function is activated to early, tighten the screw on valve no 3 in below picture

If timber clips should be used only as a grapple, turn off the knife with the lever no.5 and the tilting lever no.6



1. Tilt up
2. Knife opening
3. Tilt downwards
4. Knife
5. Shut-off knife
6. Shut-off tilt



NO.	DESIGNATION	ART.NO.
1	body	
2	grapple - left	
3	grapple - right	
4	knife	R21-TK18.005
5	protection plate	R21-TK18.007
6	parallel rods	R21-TK18.012
7	Valve - complete	R21-TK18.004
8	cutting cylinder	R21-TK18.001
9	gripper cylinder	R21-TK18.002
10	tilt cylinder	R21-TK18.003

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 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 function as it should upon the first operation?

Defect product / part:

.....

Problem description:

.....

.....

Describe the sequence of events:

.....

.....

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Other:

.....

.....

Send Complaint form and photo to:

Kellfri AB

Division of Services

Munka Torpgatan 6

532 37 Skara

Or 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 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

EC DECLARATION OF CONFORMITY MACHINE, 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: 21-TK18

Type: Wood chopper grapple

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

Other equipment must meet the requirements of the Directive.



Tina Baudtler, VD 2015-06-08

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.

CUSTOMER SERVICE

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

Kelfri AB

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