



Kellfri[®]

21-LUW50 LOG SKIDDER WINCH 5T



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 the general safety information and the instruction manual and by using common sense, you will have a great and safety use of your Kellfri product for many years.

Kellfri designs and delivers effective, affordable machinery and components for forest, agriculture, construction and gardening in Sweden, other Nordic countries and Europe.

PRODUCT INFORMATION

Kellfri's Log Skidder Winch with 5 tonnes capacity is designed for demanding use and is the perfect tool for more demanding winching work. The log skidder winch makes it possible to successfully conduct forestry work, even in difficult terrain. The winch has a drum brake, adjustable lower wire tackle, and mechanical locking of gears. Height of lower/upper return wheel, 700/1,450 mm. Recommended minimum tractor size is 40 hp. PTO shaft, dead man's switch and lower guide pulley are standard.

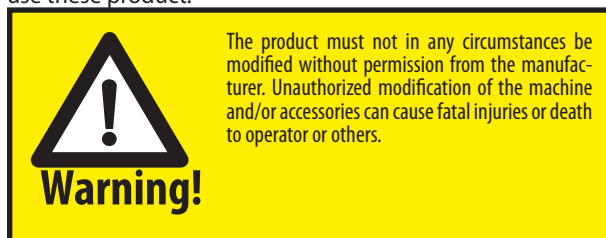
TECHNICAL DATA	21-LUW50
winch capacity	5000 kg
wire	42 m, 13 mm
winch speed	0,5-1,3 m/s
L x W x H	1650 x 1398 x 590 mm
weight	339 kg
Lower guide pulley	Standard
Deadman switch	Standard
Three point connection	Cat 2
The recommended minimum size of the tractor	40 hp
Height upper / lower pulley	1650/850 mm

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.



PRODUCT SAFETY INFORMATION

- Read the instruction manual carefully before using the machine.
- The implement is always operated at the side of the tractor.
- Never leave the tractor before the tool is unloaded and the tractor braked.
- Risk area 15 m. No one other than the operator may be present within the danger zone during work. Keep the work area free of bystanders and animals
- Operator or other persons must never stand below the load.
- Do not allow other persons to be near the machine at startup and shutdown.
- Keep all parts of your body away from the winch while it is running.
- Always check the condition of the wire. Do not use the winch if the cable is damaged or improperly adjusted or not installed correctly.
- Keep a fire extinguisher nearby
- The machine must not be used until all guards are correctly mounted
- Always disengage the machine before performing service or maintenance work.
- NEVER allow children and / or inexperienced person operate the machine.
- Make sure to have sufficient knowledge how the machine works before use.
- When operating inside the tractor cab, the tractor must be equipped with a protection screen between the seat and the winch, for example, protective guard
- The tractor must have an approved ROPS cab and need to be equipped with front weights

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 accessible during all work, maintenance and service. To stop winch movements release the starter cord.

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 replace. Order new stickers from your supplier.

SYMBOL	Explanation
	<p>Read the operating manual! Before carrying out work Warning! Before maintenance, servicing, connecting and disconnecting the machine, the tractor must be turned off and the ignition key removed.</p>
	<p>WARNING! Risk of accident! Risk zone 15 m</p>
	<p>WARNING! None is allowed to stand underneath suspended loads! Do not use the cable for lifting!</p>
	<p>Warning! Risk of crushing!</p>
	<p>WARNING! Watch out for breaking wire !!</p>
	<p>WARNING! Leaking oil under pressure can penetrate the skin</p>
	<p>The product is CE marked</p>

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.



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.



SURROUNDINGS

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



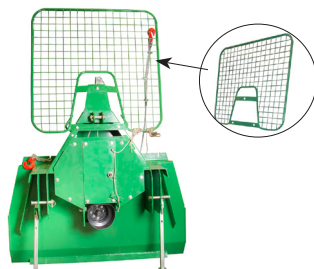
USE

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 risk zone.

WORK SAFE

- Make sure that you understand and know how the machine works.
- Check that winch, tractor stop functions and other functions are working before you begin. If defects or errors are detected, they must be amended before use.
- Always choose the safest route for the tractor.
- Maximum rotational speed of the PTO shaft is 540 rpm, do not exceed the maximum speed!
- Avoid winching sideways especially over angles of 35 degrees. Use snatch block ,attach to the tree if necessary
- Avoid winching in steep terrain
- Add extra weights on the contactor if necessary to avoid the tractor overturning
- Always place the tractor on a flat surface alined with the direction of pull
- Use a sliding runner when winching of several logs
- Lock the tractor's brakes before winching
- The winch is not approved for lifting.
- Always watch out for breaking wire!

Mount the guard



COUPLING

- Connect the implement to the tractor's rear three-point hitch.
- Connecting the PTO-shaft. Anchor the chain well. Use a PTO-shaft of the appropriate length, adjust the length as needed (see PTO-shaft manual)
- Make sure the pins are properly secured. ready for use .

Operation wire: Winsching starts as soon as the operating cord is pulled and stops when the rope is released.

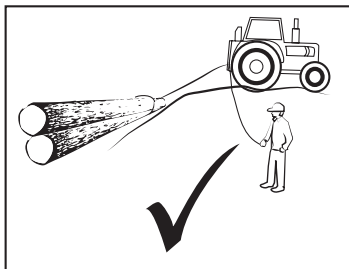
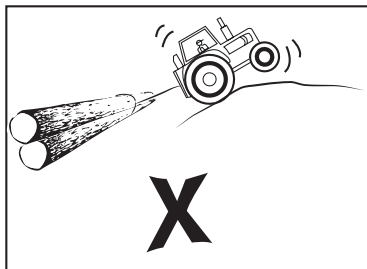
The Log skidder winch is equipped with a friction clutch. This will prevent the wire from breaking or damaging it when the load is too heavy or gets stuck while winching. Friction clutch spins when it's overloaded.

BEFORE WORKING WITH THE WINCH, CHECK AND TIGHTEN ALL BOLTS ON THE MACHINE !!!



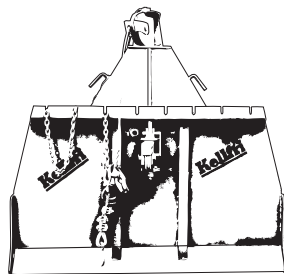
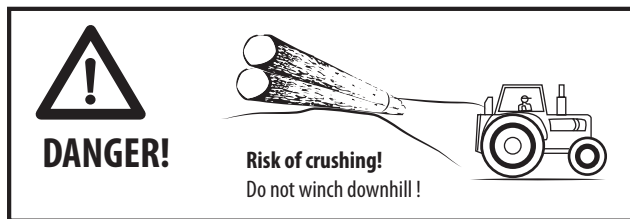
Warning!

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



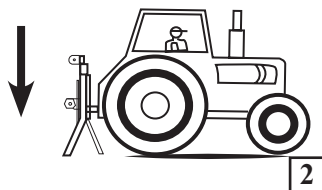
AVOID WINCHING IN STEEP TERRAIN. RISK OF TRACTOR TIPPING OVER

INSTRUCTIONS FOR USING THE WINCH



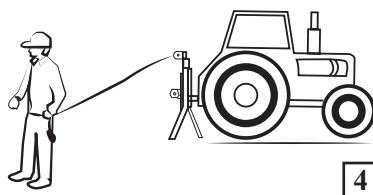
1. Place the tractor on a flat stable surface, ensure that the tractor can not roll unintentional by pulling the handbrake.

2. Anchor winch to the ground by lowering the back up blade.



3. Before you begin winching, ensure that the upper and lower snatch block and wire protector in the upper snatch block moves freely.

4. Remove the latch in the drum, pull out the wire carefully. Do not pull too much wire to avoid the gap when the wire is rolled into. Do not attach the cable directly to the load without using the winch chains. Be sure the winch chains are accurate fastened in the stocks.



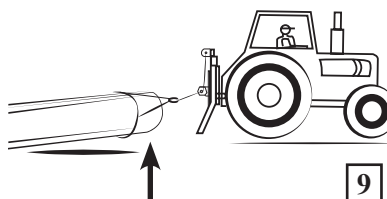
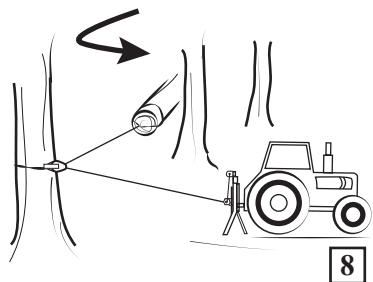
5. Start the tractor and connect the power transmission. Stand in a safe place when winching, at least 2 meters away. Always check the log's movements during winching.

6. The winding speed is determined the tractor speed. Do not wind too fast

7. Use the sliding runner when winching of several logs at the same time.

8. Use a snatch block when winching sideways

9. Do not pull the log behind the tractor without first ensuring that the log's end (the part that has been winched) is raised.



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.

Check all nuts and bolts are tightened after performing maintenance and service. Always test the machine before using it.

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 notice.

RECYCLING

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

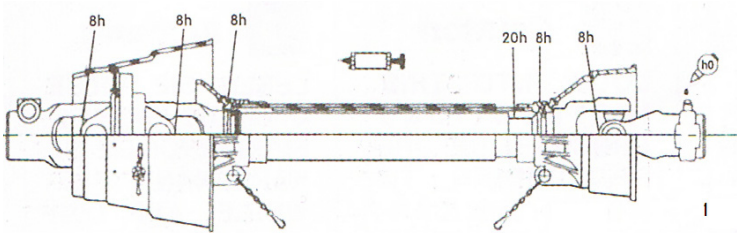
CUSTOMER SERVICE

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

Kellfri AB, Munkatorpsgratan 6, 532 37 SKARA. Tel: 0046 0511-242 50

MAINTENANCE

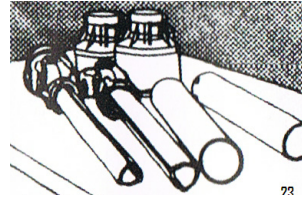
SERVICE	BEFORE USE	After 8 hours	Evry 50th hour
Control of nuts and bolts	X		
Control wire	X		
Lubrication of the drum chain (use chain lubrication)			X
Lubrication of the PTO-shaft (see picture)		X	



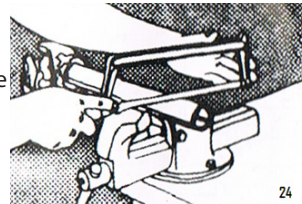
TROUBLESHOOTING	CAUSE	MEASURE
The wire tangle on the drum	<ul style="list-style-type: none"> The wire is too loose in the drum 	<ul style="list-style-type: none"> Loosen the pin, pull out the wire and roll it back with the help of the load. Do not roll wire too fast.
Hard to pull out the wire	<ul style="list-style-type: none"> The drum brake is too hardly tightned 	<ul style="list-style-type: none"> Adjust the drum brake (see section adjusting drum brake)

INSTRUCTIONS FOR shortening of PTO-SHAFT

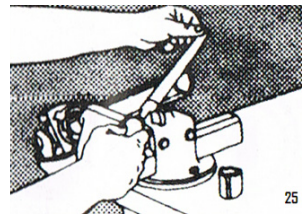
23. Remove the protector



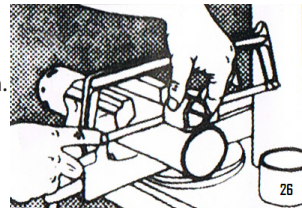
24. Cut the transmission shaft to the desired length.
NOTE! shaft must not be cut more than half the length of the tube



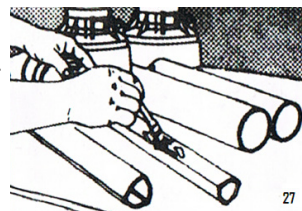
25. File the outer edges of the tube



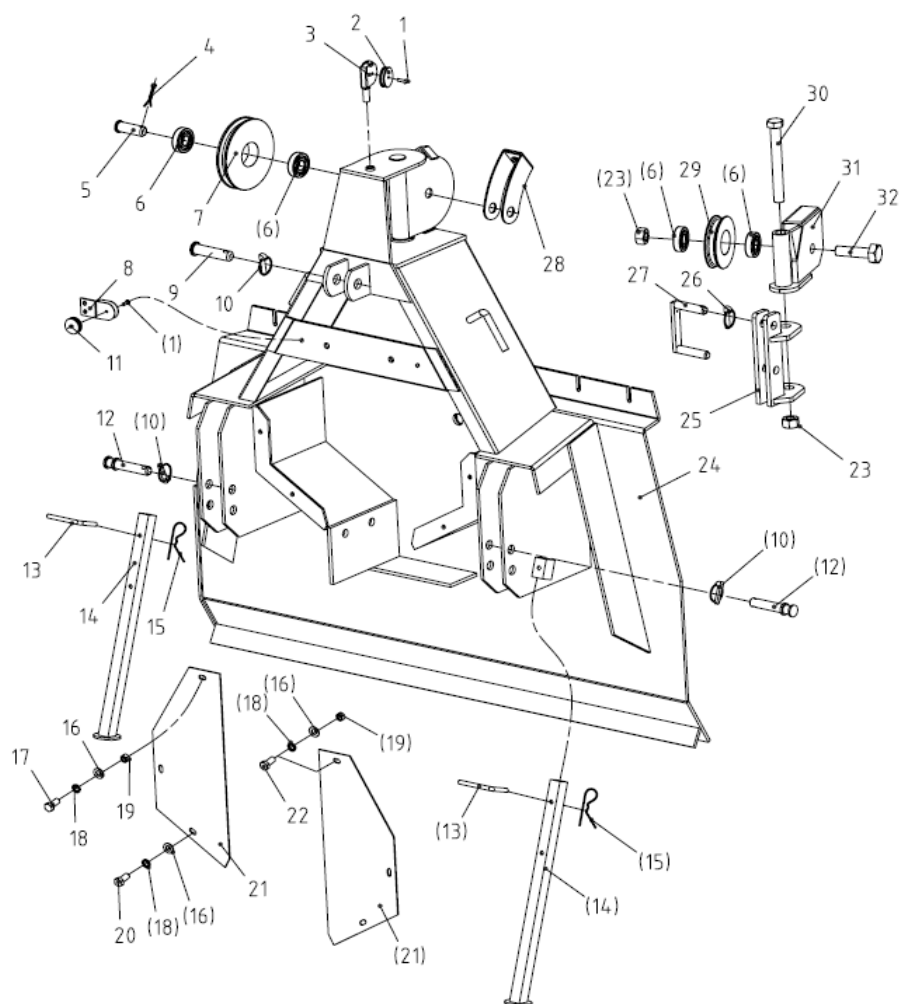
26. Cut of the protector tube to the length of the transmission.



27. Lubricate the transmission shaft and mount the protector.

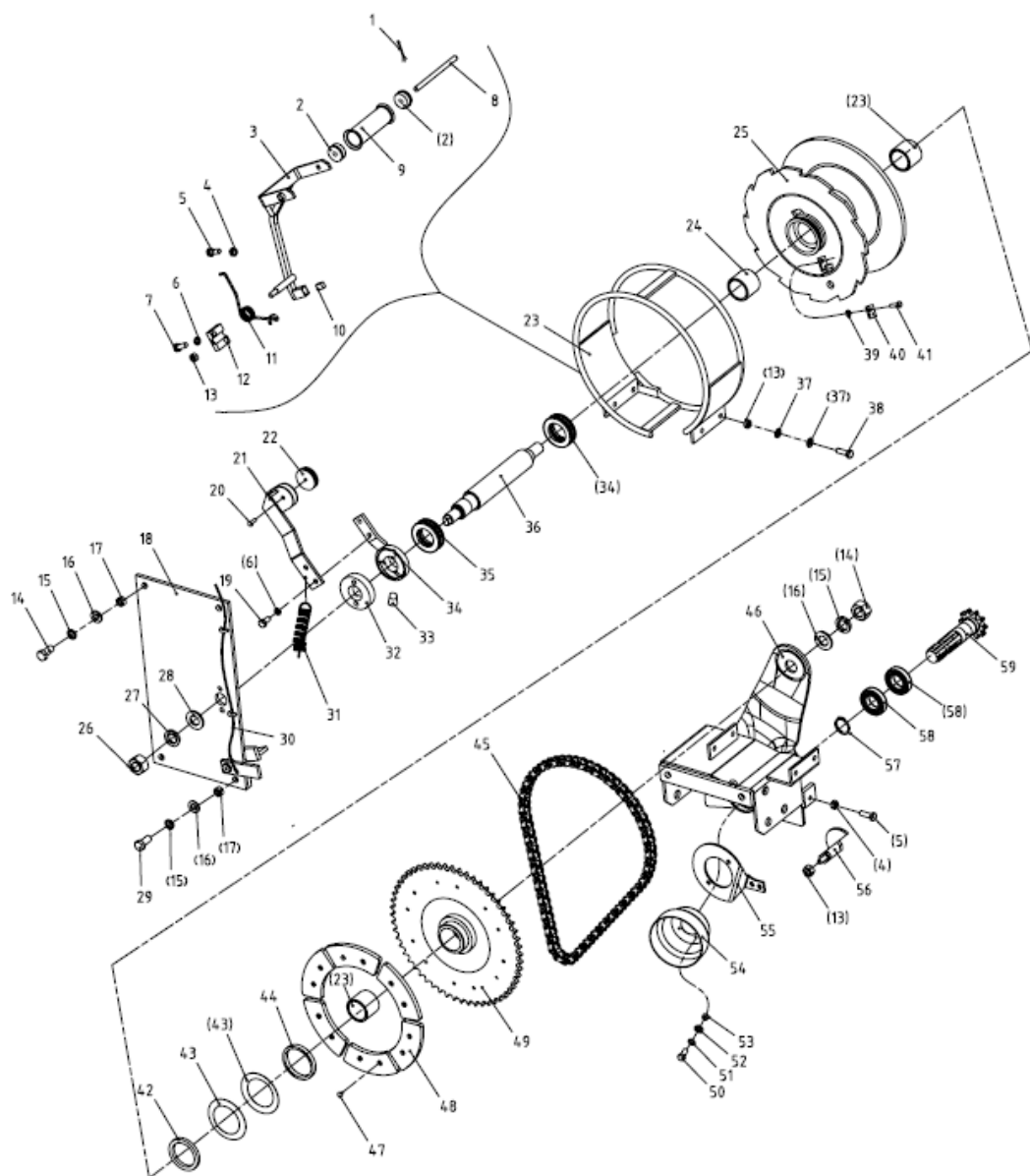


21-LUW50



NO	DESCRIPTION	AMOUNT
1	Rivet 6x21	1
2	Nylon roll	1
3	Holder	1
4	Split pin 6x40	1
5	Sprint	1
6	Wheel Bearing 6305	4
7	Brythjul- upper	1
8	bracket	1
9	Stift	1
10	Locking pin	3
11	Nylon roll	1
12	Sprint - lower part	2
13	L-pin	2
14	outriggers	2
15	R-pin	2
16	Washers 10	6
17	Bolt M10x35	1
18	Lock washer 10	6
19	Nut M10	2
20	Bolt M10x30	4
21	Cover plate	2
22	Bolt M10x30	4
23	Lock nut M24	1
24	frame	1
25	Break the wheel - bottom	1
26	Locking pin 8	1
27	clamp	1
28	Wire Protection	1
29	Snatch block	1
30	Bolt M22x220	1
31	Throw block body	1
32	Sprint	1

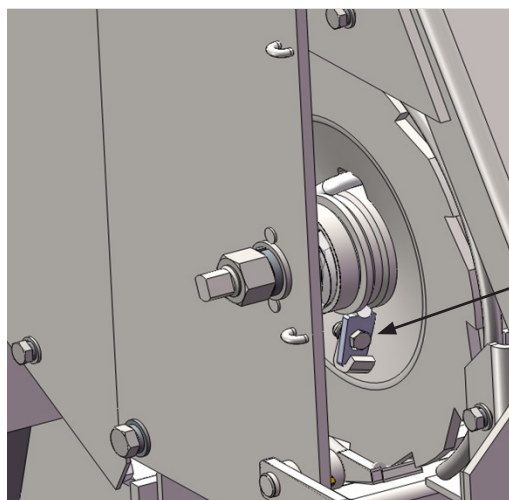
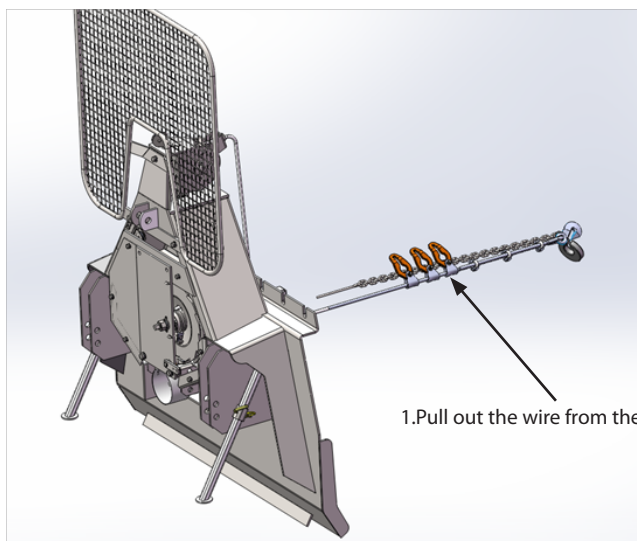
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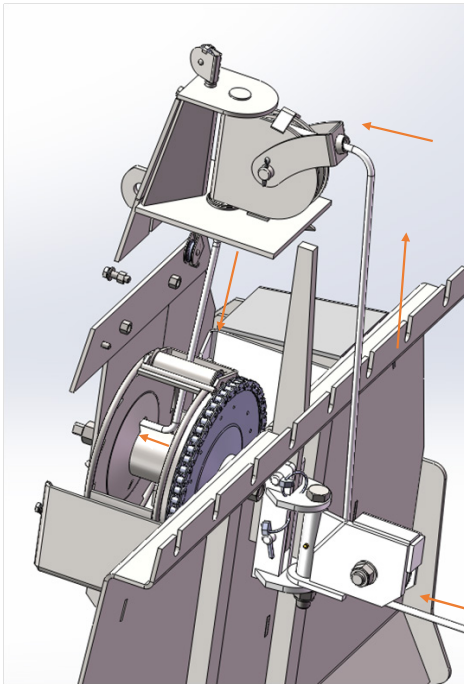


NO	DESCRIPTION	AMOUNT
1	Cotter pin	1
2	Spacers - Nylon	2
3	Drum brake	1
4	Nut M10	2
5	Bolt M10x45	1
6	Spring washer 10	4
7	Bolt M10x25	1
8	Shaft	1
9	Roll	1
10	Brake friction piece	1
11	Pressure spring	1
12	Brake Bushing	1
13	Lock nut M10	7
14	Bolt M14x40	2
15	Spring washer 14	4
16	Washers 14	4
17	Nut 14	4
18	Cover plate	1
19	Bolt M10x20	2
20	Screw 6x21	1
21	Connection Box - coupling	1
22	Roll - Nylon	1
23	Drum Cover	1
24	Bushing	1
25	Drum	1
26	Nut M24	2
27	Spring washer 24	2
28	Washers	1
29	Bolt M14x55	2
30	Rope 6x 3000 mm	1

NO	DESCRIPTION	AMOUNT
31	Pressure spring	1
32	Interventions halves - coupling	1
33	Roll	3
34	Interventions halves - coupling	1
35	Stock 51209	2
36	Shaft	1
37	Washers 10	8
38	Bolt M10x35	4
39	Locking nut M8	1
40	Wedge	1
41	Bolt M10x40	1
42	Filtering	1
43	Washer	2
44	Washers - nylon	1
45	12A Chain	1
46	eccentric	1
47	Rivet 6x18	12
48	Friction plate	6
49	Sprockets - large	1
50	Bolt M8x25	2
51	Lock Washer 8	2
52	Washers 8	2
53	Locking nut M8	2
54	PTO-shaft protection	1
55	Cover mount	1
56	Chain tensioner	1
57	Fixing ring 35mm	1
58	Bearings 6007-2RS	2

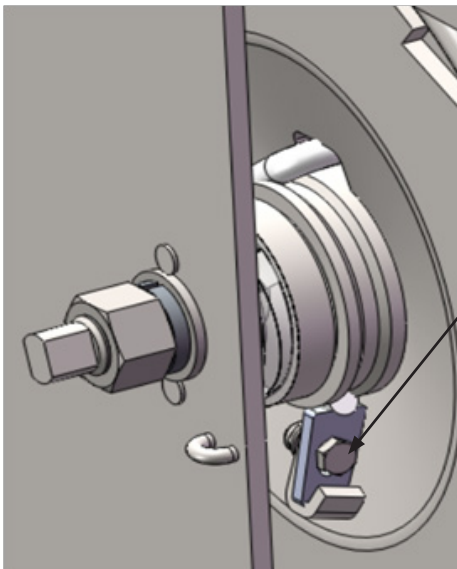
REPLACEMENT OF WIRE IN THE DRUM





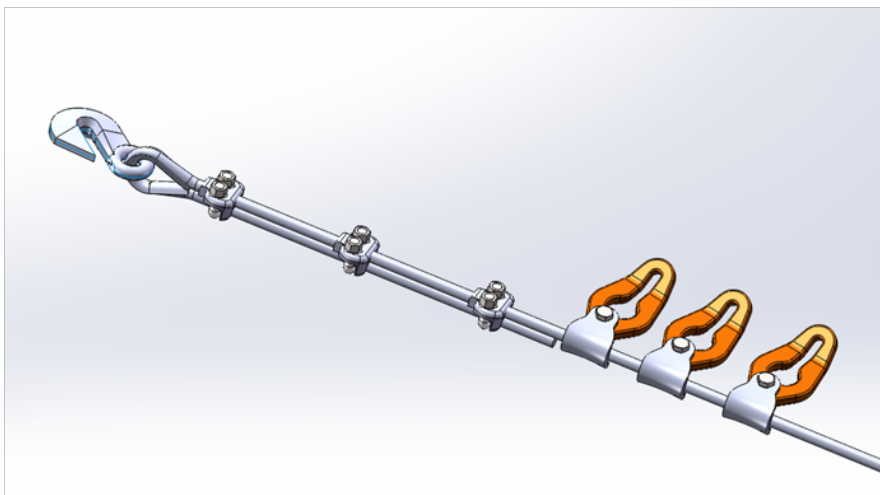
Installation of wire to the drum:

3. Tape the end of the wire to facilitate mounting and to prevent the wires come loose.
4. Insert the wire through the hole in the cable cover in the upper snatch block then into the winch



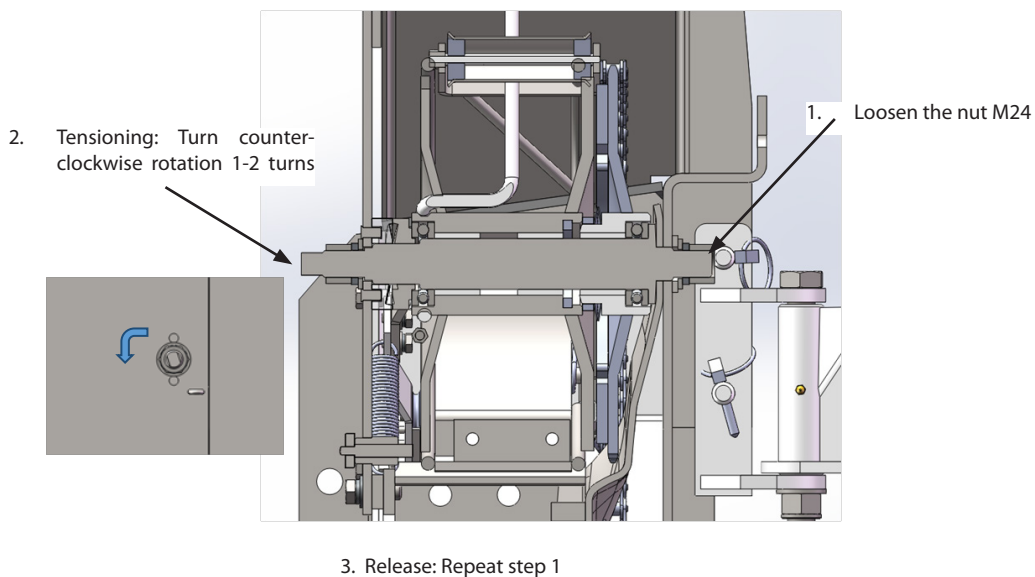
5. Mount the cable on the drum, slide the wire through the hole in the drum plate and secure the wire in the load device, ensure that the cable does not come loose.

6. winch cable on the drum. Remember that when winching the wire back to the cable drum must be loaded heavily to prevent it from tangling inside the drum. New wire length is 50 meters.



7. Remove the hook and accessories from the old cable and mount them on the new. Replace if the parts are worn.

ADJUSTMENT OF DRUM BRAKE



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:
Adress:	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:

.....

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Other:

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.....

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 - Kelfri'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: 21-LUW 50

Type: Log skidder winch

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 2015-03-17

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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

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