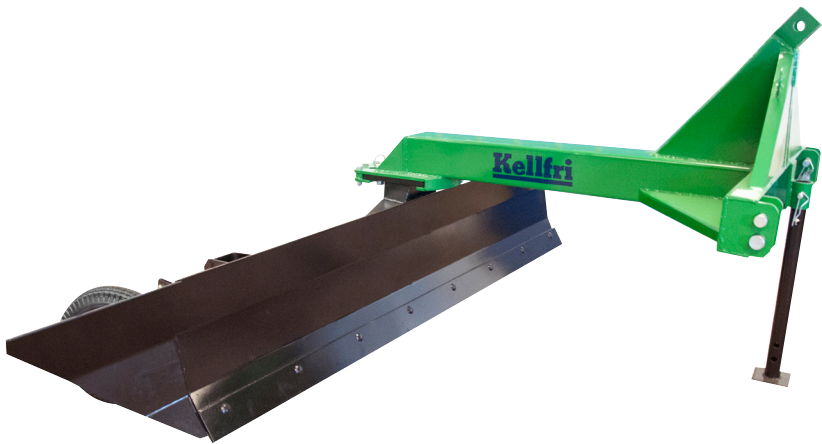




Kellfri[®]

37-230S DOZER BLADE



PLEASE READ ALL INSTRUCTIONS BEFORE USING THE PRODUCT !!!

TRANSLATED FROM THE ORIGINAL

INTRODUCTION

Thank you for choosing a product from Kellfri AB. By following the general safety information, instruction manual and common sense, you will get many years of enjoyable use of the product. Kellfri’s tools and machines are aimed for farmers with high demands on functionality.

PRODUCT INFORMATION

Kellfri’s 230S dozer blade is a large mid-range blade with a very powerful design and a total working width of 2.75 metres including a side wing which helps to push the snow out into ditches. The wing is easy to put on and take off for different tasks. The working width without the wing is then 2.3 metres. The support wheels are easy to fit with a pin and adjust for the correct working height and blade angle when clearing snow on unfrozen ground, dragging gravel roads and other adjustment work. The blade can be set easily and quickly by pulling out a pin and turning the blade to a choice of five different working angles. It rotates through 360 degrees when used on a tractor. This enables front and rear ploughing. Facilitates, for example, working in reverse at crossroads, in courtyards and parking areas where snow must be cleared and piled up. The blade is equipped with replaceable wear steel, a side wing, support wheels and lifting arm pins

TECHNICAL DATA	37-230S
Working width	2 300 mm
Blade height	500 mm
Expansion wing	450 mm
Wheel	Standard
Weight	233 kg

INTENDED USE

The equipment is intended for land planning, snow removal, handling loose material such as manure, sand, gravel, grain, etc.

BASIC SAFETY INSTRUCTIONS

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.

Kellfri disclaim any responsibility for self-made modifications, changes or alterations.

PRODUCT SAFETY

Read the instruction manual carefully before using the machine. Always check the performance of the machine combination to be used to ensure the safety and functionality. Visually inspect the equipment before use.

- 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.
- Only the operator of the tractor must be in the vicinity of the machine during work.
- Do not climb on the dozer blade.
- Never leave the gear retracted. The hydraulics can lose pressure and tool can fall down.
- Make sure that all guards are always correctly mounted and can not come loose.







Warning!

The product must not in any circumstances be modified without permission from the manufacturer. Unauthorized modification of the machine and/or accessories can cause fatal injuries or death to operator or others.

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.

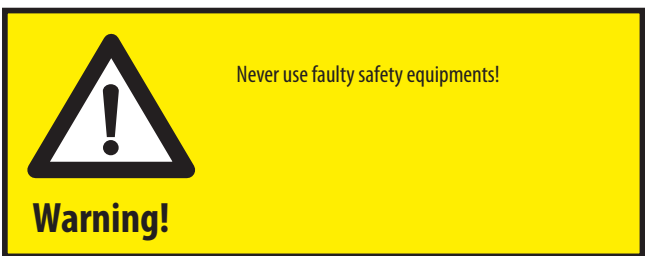
Symbol	Explanation
	Read the operating manual before carrying out work. Warning! Before maintenance, servicing, connecting and disconnecting the machine, the tractor must be turned off and the ignition key removed.
	Risk zone 5 m Respect the danger area of the implement! Warning! Risk of crushing! Do not permit anyone to stand under suspended loads.
	Warning! Accident risk for children! Children are not allowed in the vicinity of the machine Prohibition to stay on the machine
	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. 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.

INSTRUCTION FOR EMERGENCIES

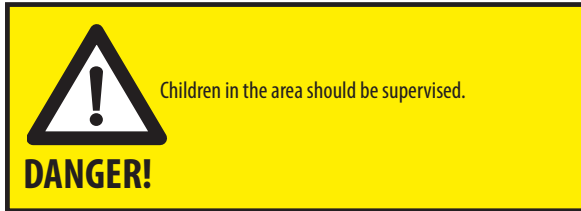
In case of an emergency please dial 112.
Keep cell phone or emergency phone available specially when working alone. First aid kit and fire extinguishers must be kept easily accesable during all work, maintenance and service.



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 used 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. DO NOT allow anyone to ride on the blade!



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 used. It's highly important these match 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 and worn parts immediately to reduce the risk of injury. Lubricate moving parts and check that all screws, nuts and bolts are tightened. Clearing when necessary.

Learn and remember the correct working method. 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.

- Ensure that all nuts, bolts and fittings are securely attached, that all packing / shipping supplies such as tape, steel tape, rope, etc. are removed.
- Check that the reinforcing bars are not broken, replace if necessary.

OPERATION

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. Reduce speed when working on slopes and uneven terrain

CONNECTING THE MACHINE

- Connect the implement to the tractor's rear three-point hitch.
- Do not forget to install all the safety pins.
- Ready for use.

Be careful when connecting the blade onto the tractor. Always keep an eye over the tractors working area during all work with the blade. During operation, pay particular attention so that the blade do not hit any external obstacles, especially when swinging the blade. Before leaving the tractor cabin, lower the dozer blade on the ground.



AFTER USE

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

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!

MAINTENANCE AND SERVICE

Make sure the product is stable and not likely to tip over during maintenance and service. Replace damaged and worn parts immediately to reduce the risk of damage. 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. Always follow the safety regulations according to maintenance schedule. Especially pay attention to the safety of knives, danger occur if they come loose during operation.

- Regularly check the condition of the product before the failure is a fact. Discovered cracks, twisting, bending, glitches or fatigue stop work and rectify the fault. Worn parts should be replaced.
 - Re-tighten all nuts and bolts after a few hours of driving.
 - Disconnect the equipment from the tractor when the fault remedied.
 - Check all nuts and bolts are tightened after performing maintenance and service.
- Always test the machine before using it.

For spare parts: Contact Kelfri Service

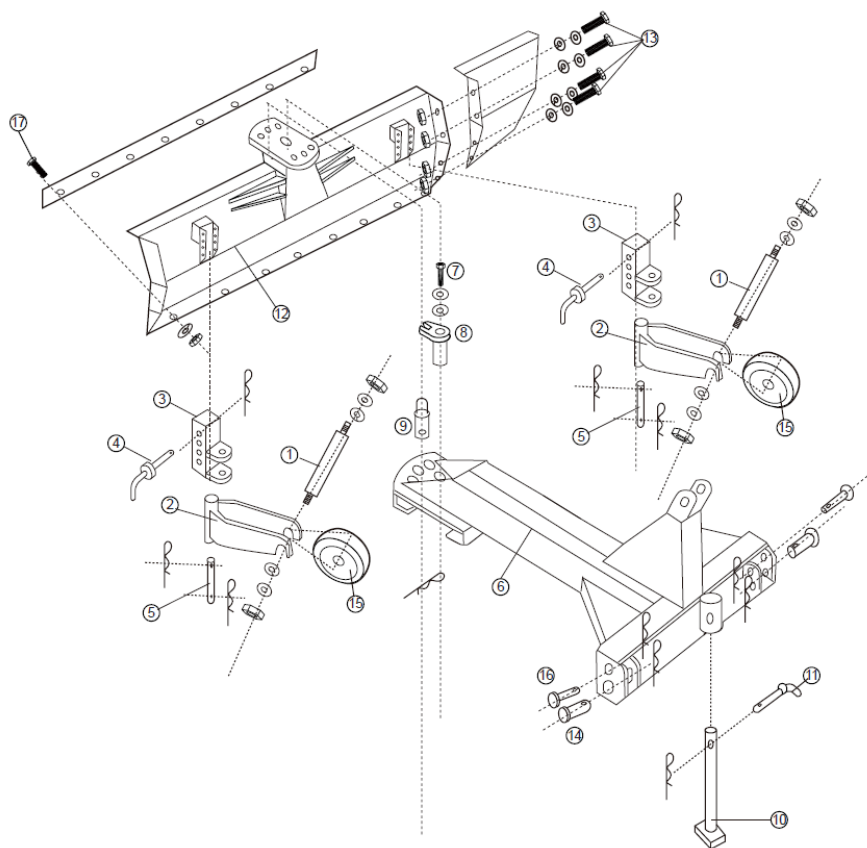
RECYCLING

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



WARNING !!! To avoid mechanical damage to the blade, always have in mind that when driving with the blade turned from the tractor (reversing the tractor), the blade does not have the ability to go over obstacles and unevenness compared to when the blade is turned towards the tractor. Some dozer blade is possible to side shift and to change the angle of the blade. This is done by adjusting the position of pin that holds the blade and boom angle.

The dozer blade is intended to be used on gravel or tarmac. Max speed: 20km / h



SPARE PARTS

1. Wheel shaft 20x186 + M12 nut	7. M8x20	13. M12x30
2. Wheel Carrier	8. Route Sprint 22x105	14. Sprint 29x115
3. Suspension	9. Locking pin 34x78	15. Wheel 4.80 / 4.00-8
4. Wheel bracket 16x105	10. Outriggers	16. Sprint 22x117
5. Shaft 20x161	11. L-pin 16x70	17. Bolt M16x40
6. Boom	12. Sheet	

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

Munkatorpsgatan 6

532 37 Skara, Sweden

Declares that the machine

Name: 37-230S

Type: Dozer blade

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 2012-09-13

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

Telefon: 0511 - 242 50

Fax: 0511 - 168 33

E-post: info@kelfri.se



Last Modified : 2014-09-02