



Kellfri[®]

23-D90 DUMP TRAILER



**CAREFULLY READ THE OPERATING INSTRUCTIONS 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

Robust dump trailer with mechanical automatic rear flap, hydraulic brakes for optimum safety and a robust parking jack. Substantial floor with 8 mm plating! The rear flap consists of two section for loading pallets, etc. The rear door opens automatically for tipping. Stable chassis and substantial floor!

DUMPER	23-D90
Volume, m ³	5,3
Dimensions, length, etc.	5280
Dimensions, width, etc.	2200
Platform Dimensions ,Width, mm	2050
Platform dimensions, Length,mm	3675
Platform Dimensions,Height, etc.	700
Side flaps height	700
Overall length, mm	5300
Max.tipping angle	52°
Max.load	9000 kg
Tyres	400/60-15,5
Braked wheels	4
Plating thickness, side, mm	4
Plating thickness,floor, mm	8

INTENDED USE

Intended for transporting grain,but can also be used for transporting loose materials such as hay, leaves, piece goods, soil, etc. when taking into account the pledged viability ability, safety regulations and recommendations.

BASIC SAFETY INSTRUCTIONS

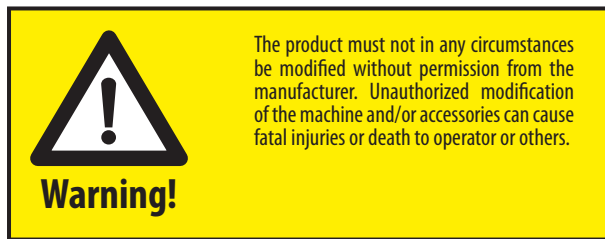
Before using the equipment or product, and for the safety of yourself and others, you must read the safety instructions and the instruction manual and understand its contents. Always keep the safety instructions and instruction manual handy for users of the equipment or product. For the safety of both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



PRODUCT SAFETY INSTRUCTIONS

Compliance with the safety instructions requires that the timber trailer is only used as described in these instructions. It is the user's responsibility to read through the instructions and comply with them. Read the Instruction Manual carefully before using the machine.

- Never overload the trailer! Always follow the regulations in force so that the allowed gross weight of the trailer is not exceeded. The allowed weight and brake of the load must never be exceeded.
- Never leave the driver's seat until the brakes on the towing vehicle have been applied.
- The risk area is 15 metres. Only the operator is allowed to be within the risk area while the trailer is in use.
- Do not leave a loaded trailer parked unsupervised.
- When unhitching the trailer, it must be empty and placed on a level surface with the trailer wheels secured using suitable brake blocks.
- For maintenance and service, outriggers shall always be used.
- When tipping the load, the trailer must always be connected to the tractor. Always follow the rules when driving on any public roads. And an SMV sign must be attached.
- Operator and other people may under no circumstances stay under suspended loads.
- NEVER allow children or inexperienced person use the trailer.
- Never allow anyone to ride on the trailer for transport.
- Always check that the performance of the machine combination to be used with the trailer to guarantee safety and functionality. Using damaged or worn drawbar eye could result in serious injury or death to the operator and others, the trailer and equipment.
- CAUTION! When coupling, the braking system must not be connected to the tractor's hydraulic system!

WARNING DECALS

Make sure that the warning decals 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
  	<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>Risk zone 15 m Respect the equipment's risk zone! Warning! Risk of crushing! Do not permit anyone to stand under suspended loads.</p>
	<p>Max. trailer towbar eye load (3/1.5 tonnes)</p>
   <p>Smörjning efter 10 tim. i drift</p> <p>Använd alltid STÖDBEN</p> <p>Efterdrag samtliga skruvar och kopplingar</p>	<p>Greasing after 10 hours of operation Always use stabilisers—loading/unloading Retighten all bolts and connections</p>
	<p>Warning for power lines!</p>
 	<p>Warning! Prohibition to stay on the machine! Warning! Accident risk for children! Children are not allowed in the vicinity of the machine</p>
	<p>The equipment is CE marked</p>

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.

PERSONAL PROTECTIVE EQUIPMENT

Wear suitable clothing and footwear. Do not wear loose clothing or jewelry when working with the equipment.

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.

USE / OPERATION

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.

- Check that the equipment is undamaged before connecting it to the vehicle. The platform should always be in lowered position when coupling the trailer
- The load should be evenly distributed over the carriage. The allowable load weight may never be exceeded
- All loads that protrudes should be well secured. Make sure that the load is evenly distributed over the body of the trailer.
- All maneuvering is done from the vehicle's driver seat
- An SMV sign must be attached when travelling on public roads.
- The trailer is equipped for driving on public roads. EU regulations stipulate how fast a tractor with a non-brake trailer is allowed to go. Comply with these regulations. (Max 40km / h in Sweden and 30km / h in Norway)
- NOTE! Hydraulic hoses must not be disconnected from the tractor, from the tipping cylinder or connections when the load is raised.
- Check that the towbar between the trailer and the towing vehicle is locked. Towing vehicles must always be connected to the trolley when tipping.
- Make sure that the platform is completely pulled before tipping.
- Tipping should be done on flat, hard ground surface.
- Safety distance when tipping: 15 m radius.
- Never drive with the platform in raised position. Keep watch over the trailer, flatbed, drop sides and load when tilting. Stop immediately if anything unforeseen should occur or there is a risk of injury or overturning.
- Be careful when lowering the platform, especially if it is loaded.
- When working under the platform, the tipping cylinder and the platform must always be mechanically secured.



Warning!

NOTE! Loading and tipping the trailer shall take place on a flat surface

Respect risk zone! No one may be nearby during tipping and loading the trailer



Most accidents happen during tipping. It is therefore important to control the trailer and the towing vehicle before operation. Damaged and worn parts should be replaced. If use incorrectly there is danger of serious damage to both person, trailer and equipment. When tipping the trailer the operator must be on the driver's seat inside the tractor carefully following the trailers movement.

IMPORTANT! It can cause major damage to the trailer or serious accident could occur if the tipping is done incorrectly. Make sure that the hook is mounted correctly and can not come loose during tipping.

IMPORTANT! When tipping the towing vehicle's engine speed to be at idle. (This can vary between vehicles). Always start at low revolutions and move the bed gently. Be sure that the trailer features performed as required.

Remember that the driver is liable for injury to other people or objects.

CONNECTING THE TRAILER:

- Read the instruction manual thoroughly. Be aware of the danger of connecting the trailer.
- Check the towing eye on the trailer, make sure it's not damaged. Connect it there after to the tractor. Check and make sure the trailer is well anchored and safety pins are secured.
- Connect hydraulic hoses to the tractor's hydraulic system.
- Run and check the trailer movements carefully. No hoses must be stretched tight and squeezed against any sharp edges, etc. rectify if necessary. In case any leakage check and retighten all couplings. Do not tighten the couplings more than needed. When overloaded, they can break.
- Always check the tire pressure. Max 4.5 bar
- Connect the trailer brake to the tractor brake outlet, the brake pressure of the tractor must be maximum 150 bar, in order to avoid damage to the cylinder and gaskets.
- When disconnecting, always use the outriggers. Detach the trailer only on flat stable surface.

AFTER USE

- Ensure that the equipment or product is stable and disconnected to vehicle.
- On a slope, secure the wheels using blocks before disconnecting.
- Always keep the equipment or product on a dry surface, preferably under roof.
- Wash down the trailer if necessary.

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!

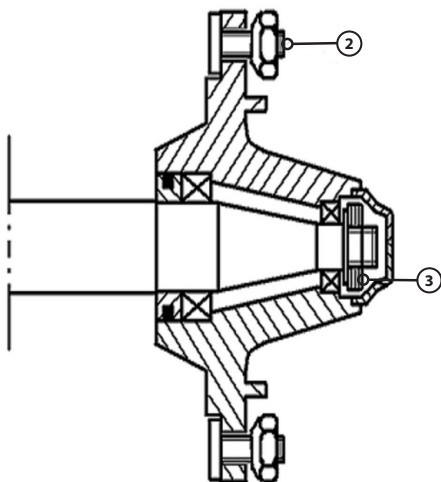
MAINTENANCE AND SERVICE

Ensure that the unit is stable and cannot tip over during maintenance and service. Disconnect the trailer from the tractor when performing maintenance. Replace damaged or worn parts immediately to reduce the risk of abrasion. Use only original replacement parts or spare parts with equivalent performance to reduce the risk of damage. Always perform maintenance, service and inspection, as recommended.

- Regularly check the condition of the trailer. Tighten wheel bolts and nuts as necessary. If cracks, twisting, bending, gaps or exhaustion is detected, stop immediately and rectify the error. Avoid the use of the trailer at lower temperatures than -20°C and higher temperatures than $+30^{\circ}\text{C}$.
- After changing wheels and after some kilometers of driving, check if the wheel nuts are tightened, retighten if necessary. Torque speed must not exceed 250 Nm.
- Grease the wheel bearings regularly.
- Never weld towing eye as it alters the strength!
- Check all bolts and nuts are tightened after maintenance and service.
- Always test the machine before using it.

SERVICE	INTERVAL	
Tires	Before each run	Check the air pressure in the tires. It should always be less than the recommended. (4.5 bar)
Cables and hoses	Before each run	Make sure all cables and hoses are intact.
Wheel nuts	First check after 2-3 hours driving Then 2-3 times / year	Tighten all the wheel nut concentrate 250Nm
Parts of trailer	Regularly at least 3 times per year	Check visually inspect the brakes if there is, the light, SMV sign, tow eye, wheel axle, hinges. Replace worn or damaged parts.
The trailer	After each run	Rinse with water if necessary

Check that wheel bearing adjustment is correct to avoid bearing play or abnormal wear of the bearings. The wheel bearing adjustment should rather be too loose than too hard.

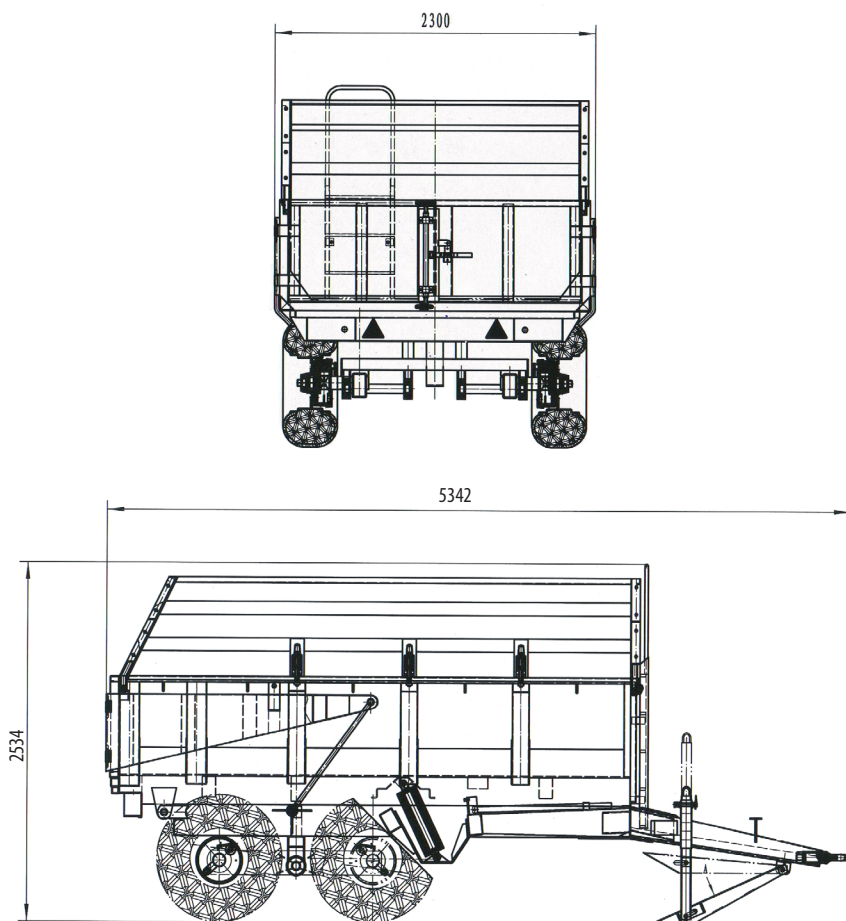


CARE INSTRUCTIONS

1. Do not overload the trailer.
2. After changing wheels, check the wheel nuts after driving some kilometers to make sure that they are tightened. The tightening torque must not exceed 250 Nm. If possible, use a torque wrench.
3. Ensure that the bearing position is correct to avoid bearing gap and abnormal wear of bearings. Bearing adjustment should rather be too loose than too tight.

RECYCLING

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



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?
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Defect product / part:

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Problem description:

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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 Eller maila Service.

Signature: KELLFRI AB Munkatorpsgratan 6 SE-532 37 SKARA Phone: +46 (0)511-242 50 Fax: +46 (0)511-168 33 Web	www.kellfri.se E-mail info@kellfri.se Issue:: 2014-01-01	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

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: Dump Trailer

Type: 23-D90

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

CUSTOMER SERVICE

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

KELLFRI AB

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Kelfri®