

23-TV07PRO

TIPPING AND FORESTRY

TRAILER ATV PRO



Kellfri

Carefully read the operating instructions
before using the product!
Operating instructions translated from Swedish

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Kellfri designs and supplies efficient, affordable machinery and components for forestry, agriculture, construction and gardening in Sweden, the rest of the Nordic region and Europe.

We recommend that you always read and follow the safety instructions and the instructions in the product's operating manual.

Kellfri is not liable for any errors in this document.

INTRODUCTION

Thank you for choosing a product from Kellfri AB. Compliance with the safety instructions, operating 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, horse enthusiasts and other country-dwellers who have stringent performance demands.

PRODUCT INFORMATION

- Removable insert floor
- Powder coated
- 4 x fold-down bolsters
- 2 adjustable side stabilisers for use during loading
- 1 parking jack for tow bar, adjustable by means of crank
- Crane tower attachment can be adjusted

Removable insert floor

2 mm galvanised tread plate floor. Eyelet in front edge of floor for tiltable floor with a winch. Front side and tailgate are removable.

AREA OF USE

Intended for transporting timber, but can also be used to transport loose materials such as hay, leaves, single items, earth, etc. in compliance with set load-bearing capability, safety regulations and recommendations.

TECHNICAL DATA	23-TV07PRO
Width	1250 mm
Weight	320 kg
Length	3400 mm
Sheet thickness	1,5 mm
Load capacity (Max load) Load on tippable floor (Max load)	700 kg 250 kg
Wheels	22 x 11-10
Tyre pressure (Maximum pressure must not be exceeded!)	See info on the sidewalls of the tyres
Ground clearance	300 mm
Tow bar	50 mm ball

Kellfri AB has a policy of continuous product development and therefore reserves the right to make modifications, e.g. to the design and appearance of the product, without prior notice.

SAFETY INSTRUCTIONS

Before using the equipment or product, and for the safety of yourself and others, you must read the safety instructions and instruction manual and understand their contents. Always keep the safety instructions and operating 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 the operating manual are damaged, or become unusable for any other reason, new copies may be ordered from: Kellfri AB, Munkatorpsgatan 6, SE-532 40 SKARA, Sweden. Tel.: +46 511 242 50

The safety instructions can also be downloaded from Kellfri's website: 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, or suffering from severe depression or mental illness. Always comply with general rules of the road and applicable rules stipulated by animal welfare legislation. People under the age of 15 are not allowed to use the equipment.



Warning!

The original design of the machine must not, under any circumstances, be modified without the approval of the manufacturer. Unauthorised modifications and/or accessories may cause life-threatening injuries or death to users and others.

Kellfri is not liable for any modifications, changes or rebuilds carried out by customers.

Where the machine is used professionally, employers are responsible for ensuring that users of the machine have theoretical and practical knowledge of the machine and that work is performed in a safe manner. Stay informed by complying with work environment legislation; contact your local work environment authority.

INSTRUCTIONS FOR EMERGENCY SITUATIONS

In case of emergency, call 112.

Always have a mobile phone or emergency phone available when working alone. A first-aid kit and fire extinguisher must be kept in an easily accessible location when carrying out any work, maintenance or service.

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 with equipment that has moving parts. Use protective gloves to avoid the risk of burns if hot surfaces such as exhaust pipes are touched, and to avoid oil and petrol getting in contact with the skin. Ear defenders must be worn whilst the engine is running.



SURROUNDINGS

Check that the work area is free from bystanders and objects before hitching or using the equipment. Otherwise, there is a risk of serious injury. Be extra careful if there are children in the vicinity of the area where the equipment or product is used or stored. Check that there are no low-hanging electrical cables within the work area. Exercise caution when working on slopes and close to ditches.

Always work alone with equipment or products that are made for working alone. Never leave rubbish in the work area, and keep work surfaces clean. Always respect the equipment's risk zone.



BEFORE USE

Carefully read the safety instructions and the operating manual. Make sure that you understand the safety instructions, the operating manual and warning decals. Use common sense and suitable personal protective equipment when using the product. Always check the performance of the machine combination to be used. It is important that these are compatible and work satisfactorily together. This is to ensure that the equipment or product works as expected, and to guarantee the safety of yourself and others. Carry out a visual inspection of the equipment or product before use. Repair or replace damaged or worn parts to reduce the risk of injury. Grease moving parts and check that all nuts and bolts are tightened. Repair if necessary. Learn and remember the correct working method. Beginners must work slowly until they have learned how the machine or product works.

Users/customers are responsible for ensuring users can handle the situation. If a user feels that the machine is dangerous to use, they should not use it until they have received thorough training.



USE

Only those who understand the safety instructions and the operating manual may use the equipment or product. Exercise caution and care when working with the equipment or product and only use it in the way described in the instruction manual.

There is a risk of crushing when working with equipment that has moving parts. Exercise caution when working with equipment with hydraulic hoses, as oil under pressure can penetrate the skin. Immediately seek medical attention if this should occur. Always work alone with equipment that is made for working alone.

Respect the equipment's risk zone.



For further information about your machine, read the machine's operating manual.

Warning symbols identify important safety aspects in this manual in order to help you and others avoid dangers and accidents. When using the machine: Be extremely careful!



This symbol indicates that a serious accident will occur if the directions in the operating manual are not followed. The accident will lead to serious injury, possibly death, or serious damage.



This symbol indicates that an accident will occur if the directions in the manual are not followed. The accident will lead to serious injury or damage.



This symbol indicates that an accident may occur if the directions are not followed. The accident will lead to injury or damage.



NOTE indicates the risk of a breakdown if the directions are not followed.

Where the machine is used professionally, employers are responsible for ensuring that users of the machine have theoretical and practical knowledge of the machine and that work is performed in a safe manner. Stay informed by complying with work environment legislation; contact your local work environment authority.

AFTER USE

- Ensure that the equipment/product is standing on level ground when it is disconnected. Use stabilisers, if included with the product/tool.
- Wash, rinse with water and dry if necessary.
- Re-lubricate if necessary.

PRODUCT SAFETY INFORMATION

Carefully read the instruction manual before using the product.

Compliance with the safety instructions requires that the forestry trailer/tipping 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 operating manual for the quad bike.
- Always check that the performance of the machine combination to be used with the trailer guarantees safety and functionality.
- Never overload the trailer.
- Never leave the driver's seat until the brakes on the towing vehicle have been engaged.
- The risk area is 15 metres. Only the operator is allowed to be within the risk area while the trailer is in use.
- Under no circumstances are operators allowed to stand under suspended loads.
- Do not leave a loaded trailer parked unsupervised.
- When unhitching the trailer, it must be empty and on a level surface with the trailer wheels secured using suitable brake blocks.
- To stop the trailer moving in the event of an emergency, engage the brakes on the quad.
- Be aware of the crush risk when carrying out winching work.
- As the trailer is not fitted with lights, fit a magnetic rear light or similar where required.
- The trailer is fitted with a ball coupling for a 50 mm towing eye. Max. pulling force 1000 kg. Replace the ball coupling after excess wear.
- EU regulations stipulate how fast a rig with a non-brake trailer is allowed to go. Take care to comply with these regulations. Max 40 km/h. An SMV sign must be attached when travelling on roads. **IMPORTANT!** Adapt the speed when the trailer is fully loaded.
- Keep the workplace clean and free of obstacles in order to minimise the risk of accidents.
- **IMPORTANT!** The operator (the person tipping the floor) must stand behind the crane.
- People must not be in the trailer! The trailer is not intended for transporting people, animals or explosive substances.

HITCHING THE TRAILER

- Read through the operating manual in its entirety.
- Check the ball coupling on the trailer. Then hitch the trailer onto the towing vehicle. Make sure that the trailer cannot come loose while operating
- Operate and carefully check movements of the equipment.
- Check the air pressure in the tyres. See info on the sidewalls of the tyres for exact values. Do not exceed the maximum pressure!

LOAD CORRECTLY

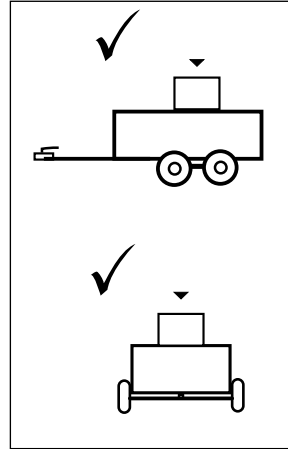
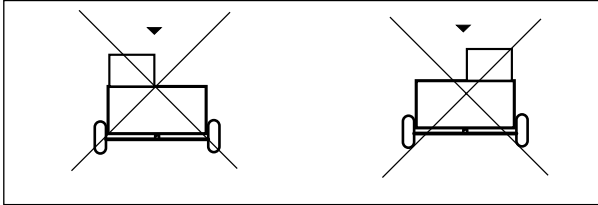
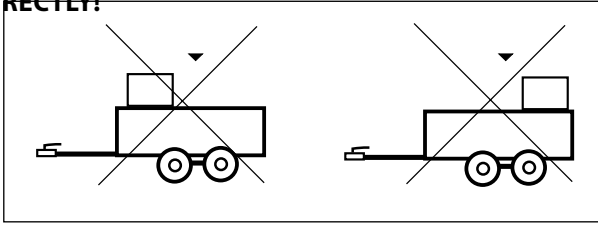
Distribute the load evenly on the trailer. Never exceed the trailer's maximum permitted load and the greatest permitted ball pressure. **WARNING!** Never load above the height of the gates.

Check that the trailer is undamaged before connecting it to the vehicle.

- Loads must be spread evenly across the trailer. All protruding loads should be well anchored.
- Place the stabilisers on the ground for increased stability when loading.
- The brakes on the ATV must be engaged when loading and unloading.
- Point the crane arm in the same direction as the wire rope has to work.
- Calmly and methodically practise the movements used for handling the wire rope crane.

NOTE! Only tip the trailer on a level surface.

LOAD THE TRAILER CORRECTLY!



MAINTENANCE AND SERVICE

- Make sure that the equipment 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 in line with recommendations.
- Only use spare parts with equal performance to reduce the risk of injuries and breakdowns.
- All electrical repairs and electrical connections must be carried out by a qualified person. Check that all nuts and bolts are tightened after maintenance and service work.
- Always test the trailer before starting work.

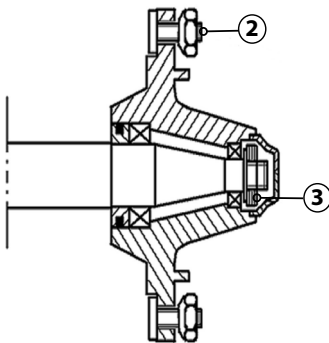
IMPORTANT! Avoid over-lubricating. Dirt collects easily on exposed grease and causes increased wear. After lubrication, wipe excess grease off from couplings.

CARE INSTRUCTIONS

1. Do not overload the tractor and trailer.

2. After wheel replacement, check that the wheel nuts are tightened and repeat when stabilised after a few miles of driving. The tightening torque must not exceed 45 kpm. Use a torque wrench if possible.

3. Check that the bearing setting is correct to prevent bearing play and abnormal bearing wear. The bearing setting should preferably be too loose than too tight.



Spare parts

Inner wheel bearing: **R10-30206**

Outer wheel bearing: **R10-30204**

Service	Interval	Measure
Tyres	Before each use	Check the air pressure in the tyres. It must always be at least the recommended value, see info on the sidewalls of the tyres for the exact value. Do not exceed the maximum pressure!
Max. 1.6 bar	Before each use	Check that all cables and hoses are intact.
Wheel nuts	Perform an initial check after 2-3 hours of operation and subsequently 2-3 times a year	Retighten all the wheel nuts, 80 Nm
Trailer parts	Regularly, at least 3 times a year,	Check by performing a visual inspection of the brakes, lights, SMV signs, towing eye, axles, bogie eye, hinges and turntable bearings, if installed. Replace worn and damaged parts.
Trailer	After each use	Wash down with water if required.



Important!

The grease must be topped up before using the trailer, see illustration.
NOTE! This operation must be carried out on all four wheels.

TRANSPORTATION AND SET-UP

- Check that the work area is free from bystanders, children and objects before driving off.
- Always observe additional caution during transport and moving.
- Ensure that the equipment or product is well anchored and that available transport lashings are fitted.
- Always position the load as low as possible. All protruding loads should be well anchored.
- Respect the risk zones even during transport and moving.
- Do not permit anyone to walk under suspended loads when carrying out lifts.
- Trailers used for transport should have brakes that work.
- An SMV sign must be attached when travelling on public roads.
- Check tyre pressure - see information on the sidewalls of the tyres. Do not exceed the maximum pressure!
- Always store the equipment or product in a dry place, preferably under a roof, when not in use.
- Ensure that the equipment or product is stable and cannot tip over.
- Never permit children to play at the storage site.
- Be aware of the tipping risk!










RECYCLING

For scrapping, the equipment/product must be dismantled and transported to a recycling station designated by your local authority. Contact your local authority for further information.

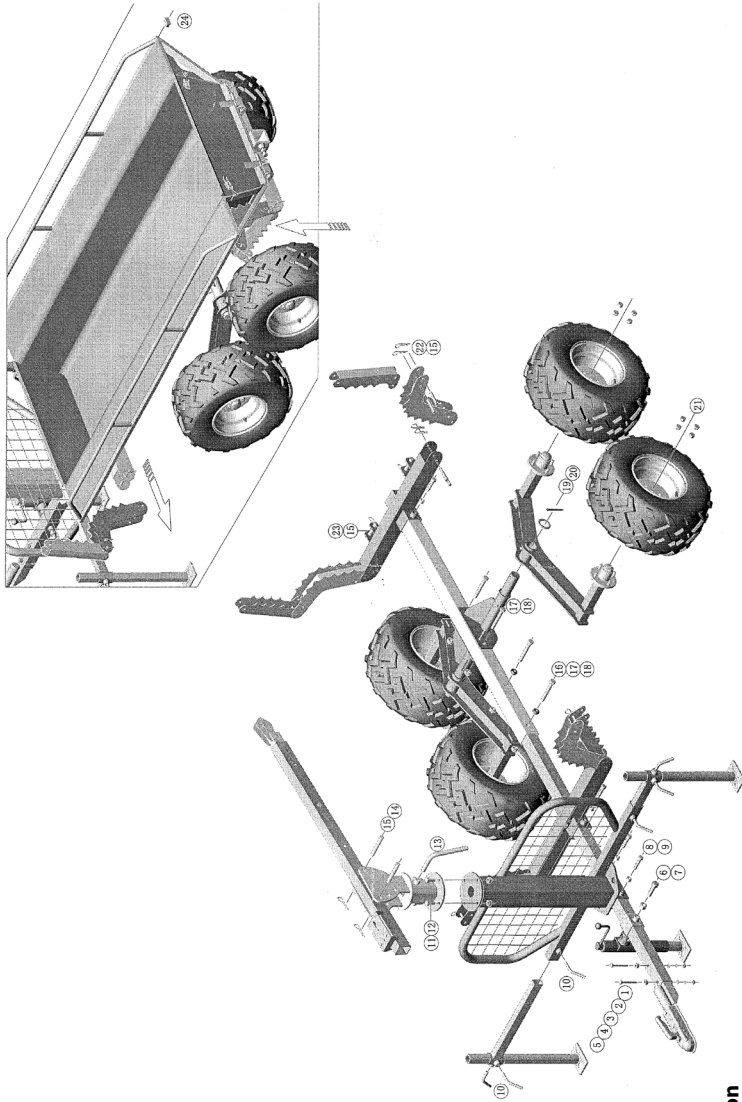


WARNING DECALS

Make sure warning decals are always visible and clean them when necessary. Do not use a high-pressure washer directly on the warning decal. If apart with a decal is replaced, or the decal becomes worn or in any other way unusable, order a new set of decals.

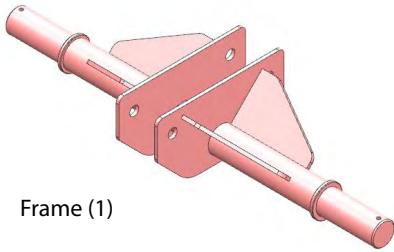
SYMBOL	EXPLANATION
	<p>Read the operating manual! Before carrying out work. Warning! Prior to performing maintenance, servicing, hitching and unhitching the trailer, the engine of the towing vehicle must be turned off and the ignition key removed.</p>
	<p>Warning! Risk of crushing!</p>
	<p>Risk area of 15 metres. Respect the equipment's risk zone!</p>
	<p>WARNING! Risk of crushing! Do not permit anyone to stand under suspended loads! Risk zone! Keep your distance!</p>
	<p>Always use stabilisers when loading/unloading. Retighten all bolts and connections.</p>
	<p>Warning! Keep off the trailer!</p>
	<p>Warning! Accident risk for children! Children are not allowed in the vicinity of the trailer.</p>
	<p>Always store the product on a dry surface, preferably under a roof, when not in use.</p>
	<p>The product is CE-labelled</p>

1. Bolt – 2 pcs, M10x90
2. Bolt sleeve – 2 pcs, Ø10
3. Nut – 2 pcs, M10
4. Washer – 2 pcs, Ø10
5. Spring washer – 2 pcs, Ø10
6. Bolt M16x50
7. Nut - M16
8. Bolt – 6 pcs, M12x50
9. Nut – 6 pcs, M12
10. L-bolt – 6 pcs, M12
11. Bolt – 4 pcs, M12x35
12. Nut – 4 pcs, M12
13. Bolt - Ø20
14. Stub axle – 2 pcs, 18x110
- 15 R-pins – 20 pcs.
16. Bolt sleeve - 2 pcs, Ø16
17. Bolt – 4 pcs, M16x120
18. Nut – 4 pcs, M16
19. Washer – 2 pcs, Ø45
20. Split pin – 2 pcs, Ø6x60
21. Wheel hub nut – 16 pcs, M1
22. Stub axle – 16 pcs, 12x70
23. Stub axle – 2 pcs, 18x80
24. Tubular plug – 4 pcs, 20x40



Spare part no.	Designation
TV07.008	Wheel, right
TV07.009	Wheel left
TV07PRO.010	Slewing house TV07PRO
TV07PRO.011	Crane holder TV07PRO

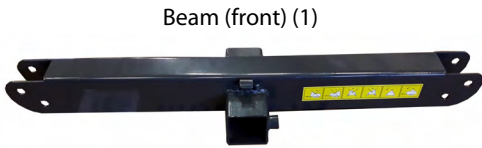
PARTS – TRAILER



Frame (1)



2 pcs – Bogie with wheel hub



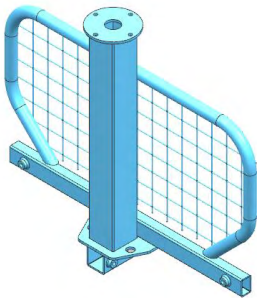
Beam (front) (1)



Beam (rear) (1)



Bolsters



Headboard (1)

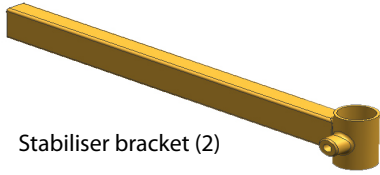


Wheels (4)



Center beam(1)
(R23-TV07.006)

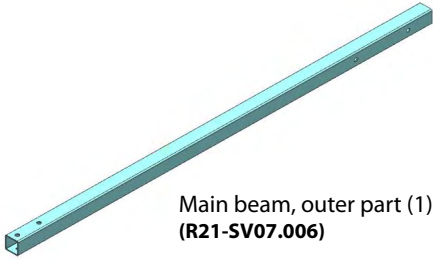
PARTS – TRAILER



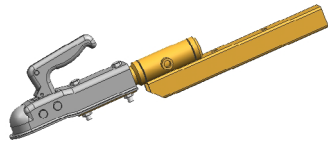
Stabiliser bracket (2)



Stabilisers (2)



Main beam, outer part (1)
(R21-SV07.006)



Tow bar with ball coupling (1)



Height adjustable foot (1)



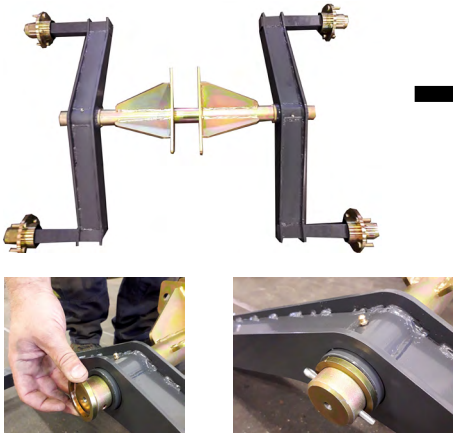
Rear flap



Floor (1)

ASSEMBLY – TRAILER

1. Fit the bogie axles on the right and left side of the frame. See illustration below:



2. Now fit all the wheels. Note: The wheel tracks must point in the direction of travel, there is an arrow on the tyres indicating the direction of travel.

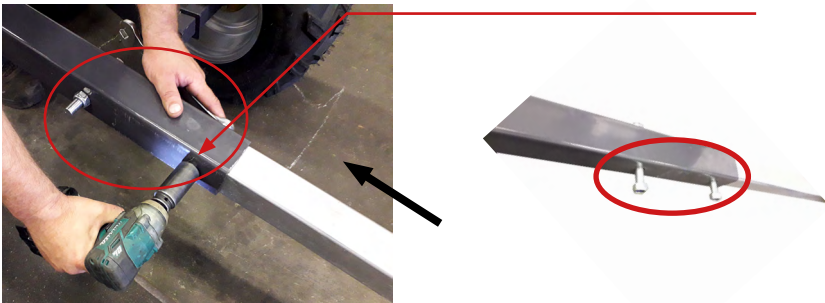


Wheels, 2 left and 2 right

2. Assemble, Main beam outer part, with two bolts.



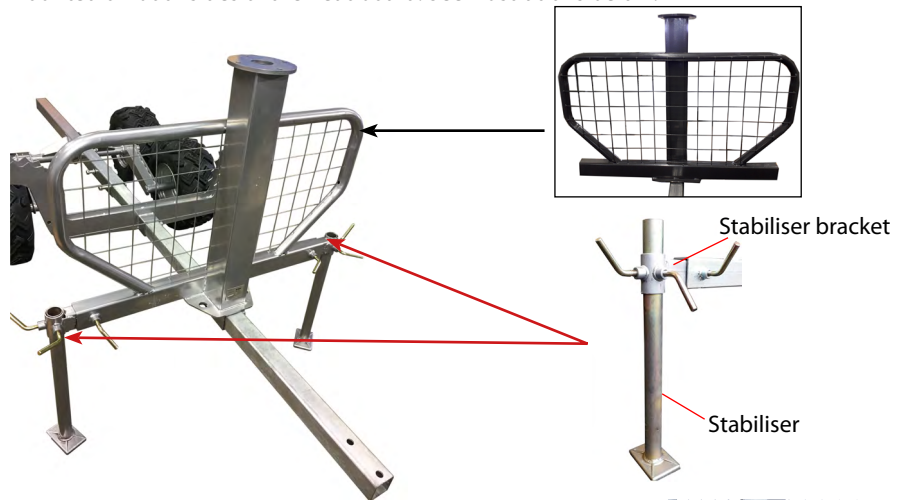
3. Now assemble, the Tow bar beam inner part, in the Main beam outer part.



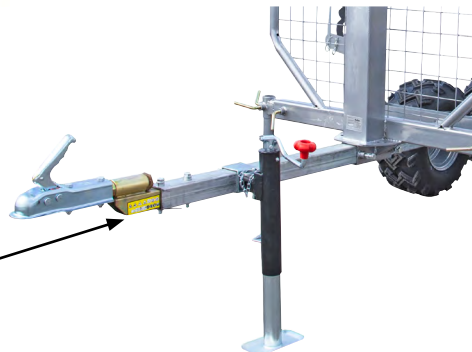
4. A beam (front) is fitted before the headboard.



5. Mount the headboard, stabiliser brackets and stabilisers.
Mounted on both sides of the headboard. See illustrations below:



6. Fit the ball coupling and the height-adjustable stabiliser, tighten all bolts.



7. Fit the rear beam.



8. Fit the floor on the trailer.
Carefully lift the floor onto the trailer and secure with pins.



Rear flap, from inside the floor.

ASSEMBLY THE CRANE



Mount the slewing house on the headboard, tighten all bolts. Now mount the crane holder. Mount the crane's outer tube in the desired position and then mount the inner tube.



Slewing house (1)

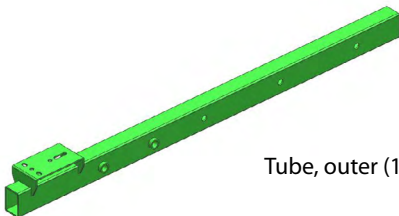


Crane holder (1)

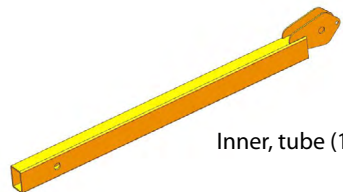


Cog wheel

Lock handle



Tube, outer (1)



Inner, tube (1)

BOLSTERS



Bolsters are used when the floor is not installed.
The bolsters are fitted with pins on the front and rear beams.



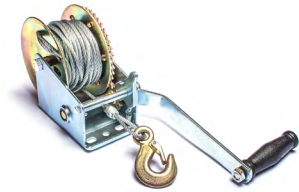
RECOMMENDATIONS:

A winch is required to tip the floor. This winch can be a manual winch or an electrically powered winch.

Important! The winch used must have a wire rope with a diameter of at least 4.5 mm.

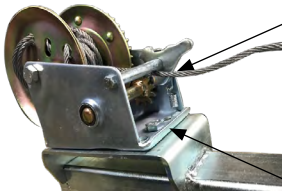
Wire rope length: 10 m

Capacity: up to 630 kg



Important information about the winch! The winch must never be used as a lifting tool to lift loads. The winch is only intended for pulling loads!

The trailer is equipped with a boom prepared for a winch. It's important that the winch is mounted correctly on the boom and that all fastening bolts are tightened.



IMPORTANT!

Make sure that the wire rope runs correctly, the wire rope should run under the guide pin – as illustrated.

IMPORTANT!

Check that the bolts are tightened before use.

Safety information concerning the winch:

- The winch must not be used to lift loads or people and animals.
- A winch may only be used to pull loads – not lifting!
- Never attach the hook around the wire rope as this can damage the wire rope! Use a sling.
- When winching loads, wind in slowly so that the wire rope is tensioned. Before continuing to winch, check all wire rope connections and that the hook is attached securely.
- Do not move the trailer to move or pull the load, e.g. when the wire rope is attached to a log. It can overload the wire rope and damage the wire rope or winch.
- Keep your hands and other body parts away from the drum and wire rope during winching.
- Warning! Respect the risk zone, no one other than the operator may be in the immediate vicinity during the operation of the winch.
- When winching the floor, make sure that the hook is correctly installed and cannot come loose.
- Do not disengage the wire rope when it's under load.
- Important! Check the condition of the wire rope regularly. A damaged wire rope must never be used!
- Use personal protection when working with a winch. Gloves and safety goggles are recommended!
- It's absolutely forbidden to weld on any part of the winch. This can weaken the winch and lead to a risk of injury to people and damage to property.
- Relieve the tension on the wire rope after winching is completed.

INSTRUCTIONS FOR TIPPING THE FLOOR:

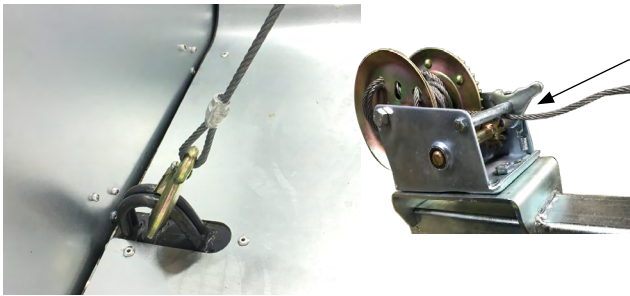
In order to tip the floor, the trailer must be equipped with a winch – see previous page for information about the winch!

The trailer can be unloaded manually or by tipping the floor backwards.

Observe the maximum permitted axle load!

- **Important!** If the floor is to be unloaded by tipping, the floor must not be loaded more than 250 kg!
- Only load the floor when the trailer is connected to the vehicle and is parked on level ground.
- Distribute the load evenly over the entire floor area.
- Always load by weight not by volume!
- **IMPORTANT!** The operator (the person tipping the floor) must stand behind the crane.
- People must not be in the trailer!

Make sure that the hook is hooked onto the floor's towing eye – see illustration below:



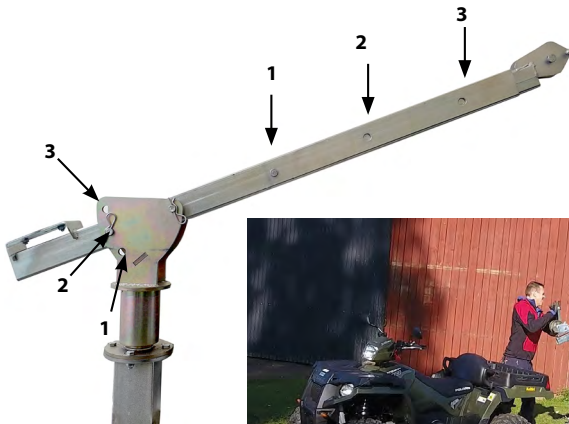
IMPORTANT!

Make sure that the wire rope runs correctly before winching, the wire rope should run under the guide pin – as illustrated.

Wind slowly so that the wire rope becomes taut, check that the hook is securely attached and cannot come loose. Continue cranking the winch until the floor is at the right angle.

The height and length of the boom can be adjusted in 3 different positions

- Be aware of the crush risk when carrying out winching work.
- Always watch out for a misaligned wire rope!





NOTE! The rig is extra equipped with a bolster kit.

Pull the log to the trailer using a winch.

WARNING! Never attach the hook around the wire rope as this can damage the wire rope!
Use a sling.

- When winching loads, wind in slowly so that the wire rope is tensioned. Before continuing to winch, check all wire rope connections and that the hook is attached securely.
- Do not move the trailer to move or pull the load, e.g. when the wire rope is attached to a log. It can overload the wire rope and damage the wire rope or winch.
- Keep your hands and other body parts away from the drum and wire rope during winching.
- Warning! Respect the risk zone, no one other than the operator may be in the immediate vicinity during the operation of the winch.

DEVIATION FORM

We are grateful for your help in pointing out any defects in the product supplied to you by Kellfri. Before making a claim, read Kellfri's general purchase terms and conditions in our catalogue or on our website www.kellfri.co.uk, and in the operating manual if supplied. The manual can also be downloaded from manual.kellfri.co.uk

Please fill in the details below and attach photos as documentation so that we can process your case optimally. In order for us to get as good an understanding as possible of any faults, please take at least 3 photos of the defective part of the machine/equipment and 1 picture on the type plate. (NB! Do not forget to attach the pictures to the e-mail when you send the form!)
If the product was purchased from a dealer, please contact the dealer in the first instance.

Purchaser**:	Customer number**:
Address**:	Invoice number:
E-mail**:	Daytime telephone**:

When was the product supplied?	When was the product put into operation?	Was the product working on delivery? YES NO
--------------------------------	--	--

Product name/article number**:
Serial number:

REASON	YES
11) Transport damage*	<input type="checkbox"/>
(09) Product complaint*	<input type="checkbox"/>
(04) Wrong goods delivered	<input type="checkbox"/>
(03) Wrong quantity	<input type="checkbox"/>

REASON	YES
(05) Wrong price	<input type="checkbox"/>
(02) Ordered by mistake/Charge-back	<input type="checkbox"/>
(99) Other reason*	<input type="checkbox"/>

* Fill in form below

Required fields**

Description of fault**:

Describe the course of events:

Miscellaneous:

Customer's signature:	Date:
-----------------------	-------

To be filled in by the dealer

Dealer:	Invoice number:
----------------	------------------------

Signature:	Date:
-------------------	--------------

Kellfri

Send the claim form and photographs to:
 Kellfri AB
 Service department
 Munkatorpsgatan 6
 SE-532 40 Skara, Sweden

Or e-mail Service:
service@kellfri.co.uk
 KELLFRI AB
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 E-mail: info@kellfri.co.uk
 Edition: 20201221

WARRANTY TERMS AND CONDITIONS

- Validity of warranty** - Kellfri's warranty is valid for 12 months from the date of purchase.
- The warranty covers** - Reimbursement for parts replaced after a material fault or manufacturing fault has been verified.
- The warranty does not cover**
- Labour costs
 - Travel costs
 - Machines on which the purchaser has made or commissioned modifications.
 - Any additional costs arising as a result of damage to the machine.
 - Damage due to normal wear and tear of the machine, substandard servicing, the user's inexperience or use of spare parts that are not original.
 - Wear parts such as hoses, seals, oil and belts.

EC DECLARATION OF CONFORMITY FOR MACHINERY, ORIGINAL



In accordance with 2006/42/EC, Appendix 2A
Kellfri AB
Munkatorpsgratan 6
SE-532 40 Skara, Sweden

Hereby declares that the machine

Name: 23-TV07PRO

Type: Tipping and forestry trailer ATV PRO

Conforms with all applicable requirements in the Machinery Directive 2006/42/EC.
Other equipment must comply with the Machinery Directive's requirements.

Kjell Johansson
Product Development Manager

CUSTOMER SERVICE

You are always welcome to give feedback or ask us about our equipment and products. Kellfri AB has a policy of continuous product development and therefore reserves the right to make modifications, e.g. to the design and appearance of the product, without prior notice.

Latest change 09/01/2023

Kellfri

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