

23-TV06PRO TIPPING TRAILER



Kellfri

Read the operating instructions
carefully 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 machine'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

Tipping trailer for ATVs with floor and space for EU pallets.

- Stable design
- Galvanised chequer plate
- Robust tyres
- Space for EU pallets
- Good ground clearance
- 500 kg load capacity

This trailer is a versatile piece of equipment with tipping function. The trailer is equipped with sturdy tyres and a floor large enough to accommodate EU pallets.

The entire trailer is made of galvanised chequer plate for a longer service life.

The floor is flat with bent inner corners. The entire trailer is made of chequer plate, has a low loading height and removable headboard and tailgate for transporting longer materials such as small logs, branches or fence posts.

The tipping axle is placed centrally, which makes tipping easier. The floor is prevented from tipping backwards during operation with a locking pin at the front. The trailer has good ground clearance, a generous dimension and is equipped with a 50 mm tow bar ball hitch for ball coupling.

The trailer is light, versatile and stable. Thanks to its large load capacity of 500 kg, you can easily transport various materials.

Extension sides are available as accessories, part number: **23-TV06FLPRO** (see pages 15 – 17)

The extension sides make it possible to load bulky material. For example, rubbish bags, leaves/branches and the like. With the extension sides fitted, the trailer holds 1.0 m³

TECHNICAL DATA	23-TV06PRO
Length x width x height	2100 x 1300 x 690 mm
Length x width x height	1270 x 730 x 290 mm
Sheet thickness	1,5 mm incl. pattern 2 mm
Weight	95 kg
Tipping angle	45 °
Tyre pressure (Maximum pressure must not be exceeded!)	1,5 bar (See info on the sidewalls of the tyres for exact values.)
Max. load	500 kg
Volume (without extension sides)	0.3 m ³

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, Storsvängen 2, SE-532 38 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.



Warning!

Children must not be left unsupervised in the area!

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.



WARNING!

Never use equipment or products with defective safety components.

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.

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.

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 off excess grease.

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.



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.

TIPPING TRAILERS

- Carefully read the trailer's operating manual before using the machine.
- Always check that the performance of the machine combination to be used with the trailer guarantees safety and functionality. If cracks, twists, play or fatigue are detected, discontinue use and rectify the fault. Make sure that the towing vehicle to which the trailer is to be connected is suitable for the purpose
- Lubricate moving parts and check that all bolts/nuts are tightened. Repair if necessary.
- Distribute the load evenly over the entire floor area. If material to be transported cannot be distributed evenly due to size or shape (e.g. large stones), bed the floor with thick planks first. This will reduce the load on the floor surface and protect it from damage. Always comply with applicable regulations to ensure the permitted total weight for the vehicle is not exceeded. Protruding loads should be well anchored.
- All operations are performed from the driver's seat.
- Never leave the driver's seat until the brakes on the towing vehicle have been engaged. Risk area 15 metres. Only the operator is allowed to be within the risk area while the trailer is in use.
- Only use the trailer when all necessary safety equipment is connected and secured against unintended disconnection or opening (e.g. hitch and tow bar, couplings, etc.). Before starting work, understand the equipment and all controls, as well as its functions.
- Do not leave a loaded trailer parked unsupervised. In an emergency, use the vehicle's stopping device to stop the movement of the equipment.
- When unhitching the trailer, it must be empty and on a level surface with the trailer wheels secured using suitable brake blocks.
- The parking jack must always be used when carrying out maintenance and service.
- Check that the hitch between the trailer and towing vehicle is locked. When tipping, the trailer must always be connected to the tractor. When tipping, the operator must sit in the driver's seat in the towing vehicle and follow the trailer's movements carefully.
- An SMV sign must be visible and mounted when travelling on public roads. EU regulations stipulate how fast a rig with a non-braked/braked trailer is allowed to go. Comply with these regulations.
- Operators or others should not stand under suspended loads.
- NEVER permit children or an inexperienced person to drive the trailer.
- Never allow anyone to travel on the trailer whilst it is in motion.
- Always check the trailer before use. A damaged or worn tow bar eye and/or hitch must not be used and should be replaced before the trailer can be used. Using a damaged or worn tow bar eye and/or hitch may cause serious damage to the trailer/equipment or death to the operator and other persons.
- 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.
- NOTE! Do not disconnect the hydraulic hoses from the tractor, the tipper ram, couplings when the floor is tipped.
- Never drive with the floor in the raised position. Keep an eye on the trailer, floor, flaps and load when tipping. Stop if anything unexpected should happen or if there is a risk of damage or overturning.
- Check tyre pressure - see information on the sidewalls of the tyres. Do not exceed the maximum pressure!
- Avoid using the trailer at temperatures lower than -20°C and higher than +30°C.
- Brake regulations: If the gross weight of the trailer exceeds the gross weight of the towing vehicle, the trailer must be equipped with a brake. For further information, contact the Transport Administration Agency.

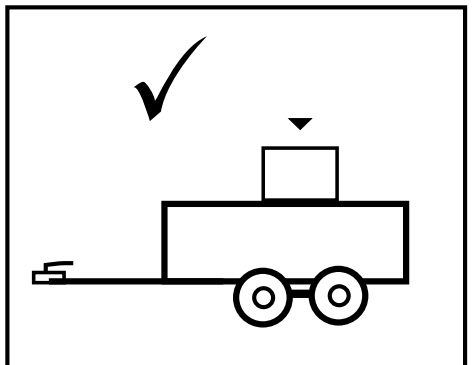
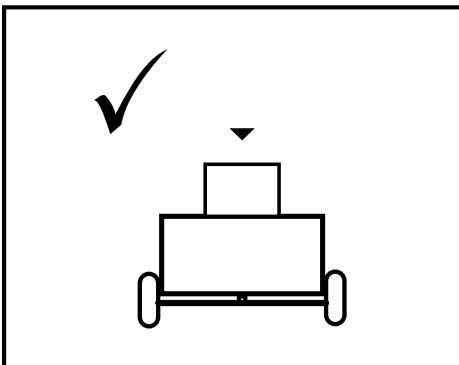
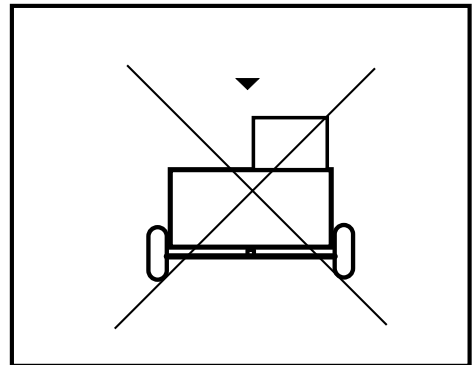
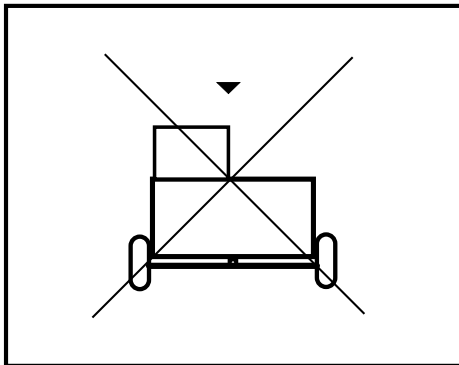
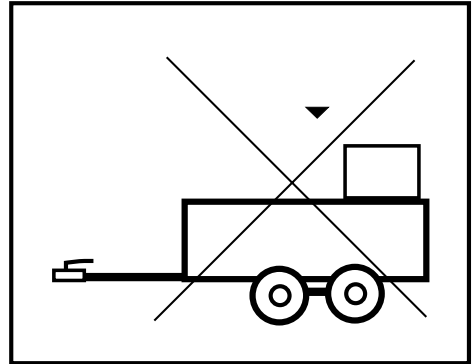
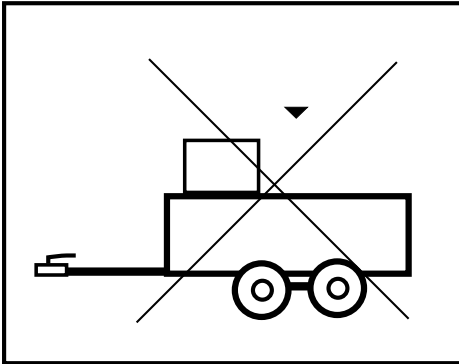


This can cause major damage to the trailer or lead to a serious accident if tipping is not performed correctly. Make sure the hitch is correctly attached and will stay in place during tipping. IMPORTANT! Always load by weight not by volume!



When tipping, the towing vehicle's engine speed must be idling. (However, this may vary between vehicles). Always start at a low speed and tip the floor with care. Make sure the trailer is used as required.





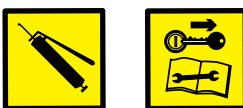



LOAD THE TRAILER CORRECTLY!



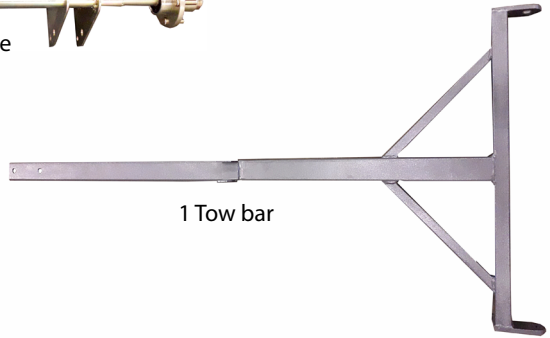
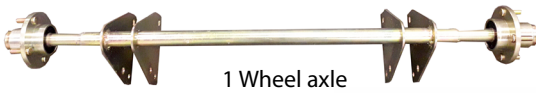
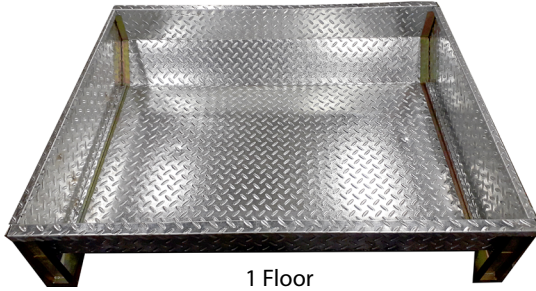
WARNING DECALS

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

An SMV sign must be visible and mounted when travelling on public roads.

SYMBOL	EXPLANATION
	<p>Read operating instructions. Turn off the engine and remove the key from the ignition when carrying out repairs or when you leave the towing vehicle, even for a short period.</p>
	<p>Risk zone 5 m Respect the trailer's risk zone!</p>
	<p>WARNING! Do not use the equipment close to low-hanging power lines. General risk of crushing hands/feet.</p>
	<p>Do not walk under suspended loads. Warning! Moving parts.</p>
	<p>Greasing after 10 hours of operation. Retighten all bolts and connections.</p>
	<p>Accident risk for children! Children are not allowed in the vicinity of the trailer. Keep off 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>

PARTS 23-TV06PRO



Ø16
1 x L65 mm



Ø18
2 x L80 mm

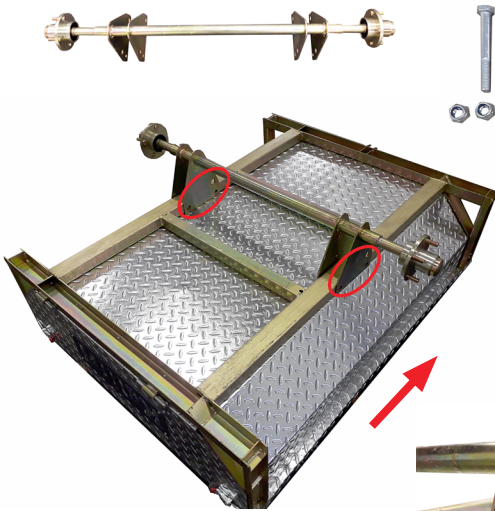
2 Split pins



1 x R-pin



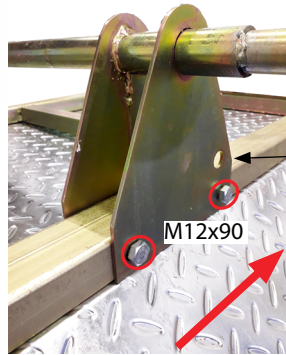
ASSEMBLY 23-TV06PRO



Turn the floor so that the underside faces upwards. *A pair of longer pieces of wood can be placed underneath, for example, to protect the surface from scratches.*

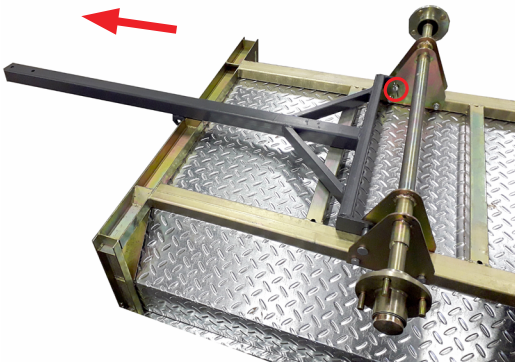
Place the wheel axle in the middle of the floor.

Mounted with M12x90, 2 on each side.



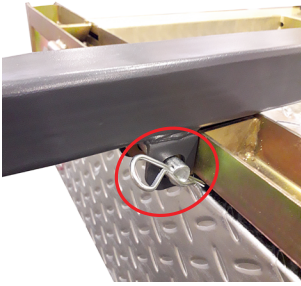
Important!

The hole must be positioned towards the direction of travel.

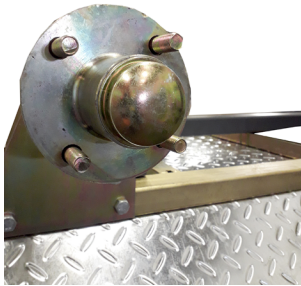
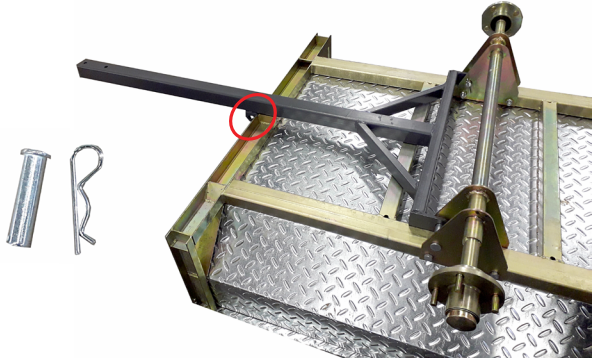


Position the tow bar in front of the wheel axle. Fitted with Ø18 L80 mm and split pin, 1 set on each side.





Lock the tow bar with
 $\varnothing 16$ L65 mm and the R-pin



Fit the wheels.

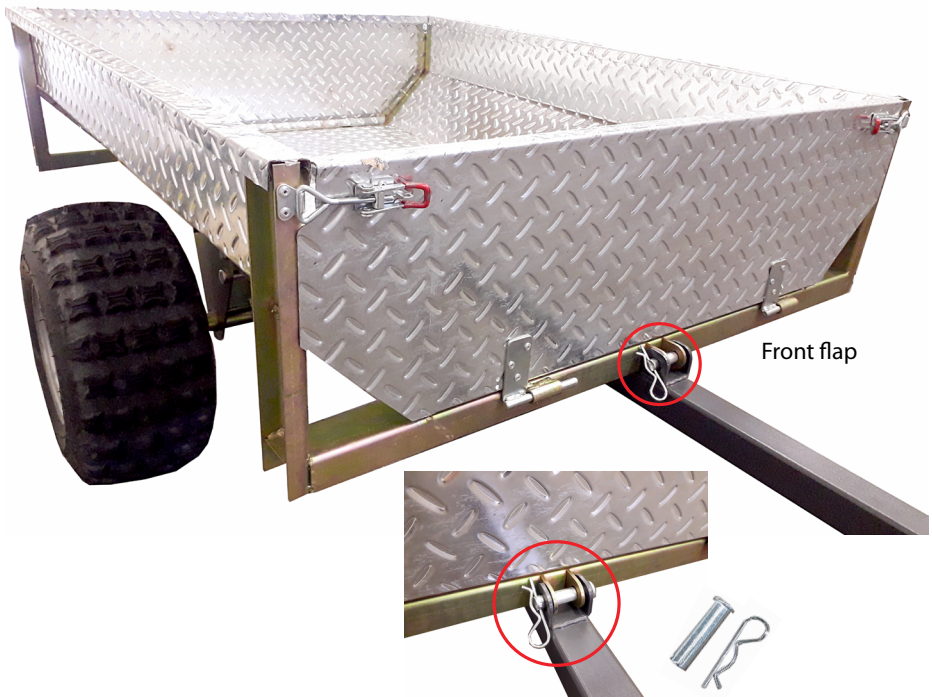
4 wheel nuts per wheel.

Think of! If you are going to remove the wheels, first disassemble the grease nipples.

Lubrication. All commonly occurring lubricating greases can be used.

Turn the tipping trailer to stand on the wheels. *Get help from a friend or use a lifting device.* Mount the ball coupling with 2 x M10x70.





Front flap

The pin prevents the floor from tipping backwards while driving. Remove the pin to make it possible to tip the floor, when unloading and loading.

Front and rear flaps are equipped with floor locks and hinges. This makes it possible to lift off the flaps if desired.



Rear flap

EXTENSION SIDE

Options for tipping trailer, part number: **23-TV06FLPRO**

PARTS



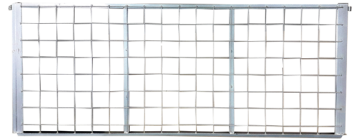
4 pcs



M8x20
6 pcs

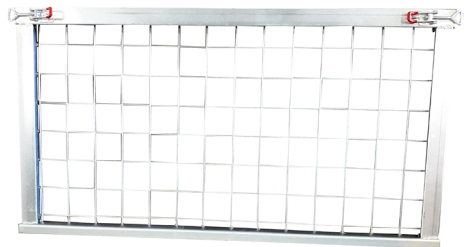
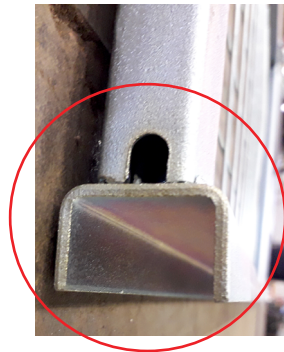
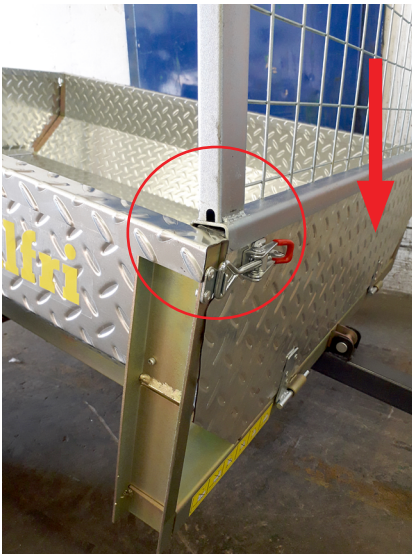


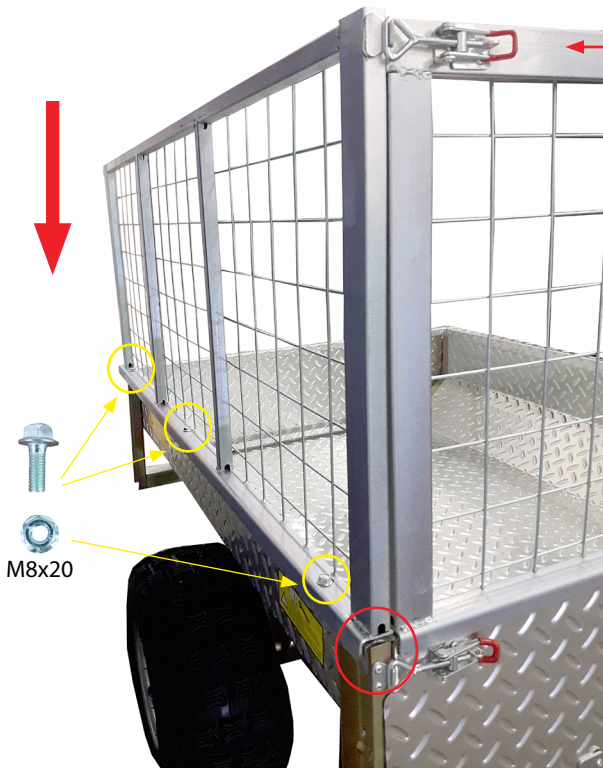
Short side
2 pcs



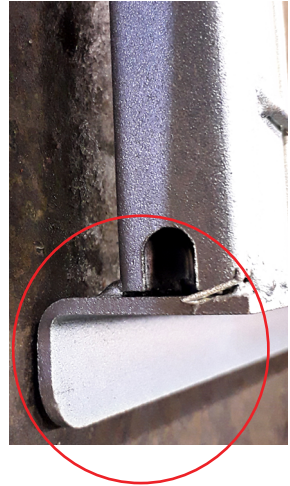
Long side
2 pcs

ASSEMBLY





Floor lock to attach the short sides in the long sides. Adjustable the U-bolt to get the right length and good locking.



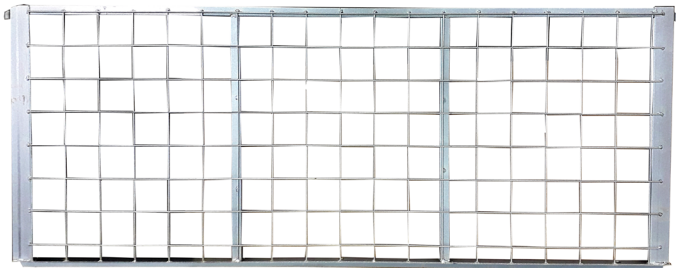
Prior to mounting the long sides, you need to drill holes in the trailer to be able to screw in the bolts.

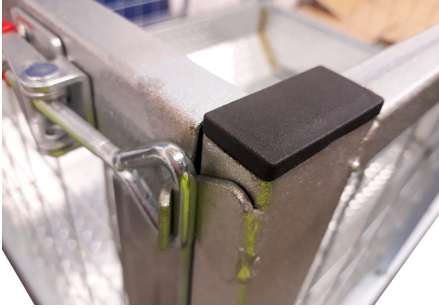
Lift up one trailer flap, the angle should be at the edge of the trailer, see illustration. Use a marker pen or similar to mark where the holes are to be drilled.

Lift down the flap and drill 3 holes per long side. **Use a 10 mm drill bit.**

Lift up the flap again and secure it with the bolts.

Repeat the steps on the other long side.





A protective plug is fitted at the top of each corner.



The trailer holds 0.3 m³
The trailer + flaps, hold 1.0 m³

IMPORTANT! Always load by weight not by volume!
Max. load 500 kg



Case number:

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 obtain as good an understanding as possible of any faults, please take at least four photos of the defective parts of the machine/equipment; two of the entire equipment from two different angles and two close-ups of the actual damage from two different angles. (Feel free to attach photos on the next page.)

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
(1) Transport damage*	
(09) Product complaint*	
(04) Wrong goods delivered	
(03) Wrong quantity	

REASON	YES
(05) Wrong price	
(02) Ordered by mistake/ Charge-back	
(99) Other reason*	

* Fill in form below

Required fields**

Description of fault**:

Describe the course of events:

Miscellaneous:

Customer's signature:	Date:
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To be filled in by the dealer

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

Signature:	Date:
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Kellfri

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
Storsvängen 2
SE-532 38 Skara, Sweden

Hereby declares that the machine

Name: 23-TV06PRO

Type: Tipping trailer

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 10/06/2024

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