



# **Kellfri<sup>®</sup>**

## **28-RBH220 PADDOCK HARROW 3-POINT LINKAGE**



**CAREFULLY READ THE OPERATING INSTRUCTIONS BEFORE USING THE PRODUCT!!**

**TRANSLATED FROM THE ORIGINAL**

<b>TABLE OF CONTENTS</b>	<b>PAGE</b>
Introduction	3
Product information	3
Intended use	3
Safety instructions	4
Product safety instructions	4
Instruction for emergencies	5
Warning decals	5
Personal protective equipment	6
Surroundings	6
Before using	6
Connecting the machine	7
Operating the machine	7
Transport and storing	8
Maintenance and service	8
After use	8
Assembly: List of all parts	9-11
Assembly instructions	12-16
Complaint form	19
Warranty and EC declaration	20

## 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

Paddock harrow for tractors with 220 cm working width.

Fitted with a row of spring tines and a row of rake tines, with mesh roller with spiral and side scraper to collect material pushed out from the track. The rear rake tines, the roller and the side scraper are height-adjustable. The mesh roller can be removed with a simple manual operation. The 20 spring tines in the front row are 40 cm long and 10 mm in diameter. The 36 rear rake tines are 20 cm long and 8 mm in diameter. Smooth-acting hitch design in working mode.

## INTENDED USE

The product is intended to be used on gravel paths, riding tracks.

Always handle the harrow correctly, in inexperienced hands the equipment can be dangerous.

ART. NO	28-RBH
Width	2380 mm
Length	2200 mm
Height	1100 mm
Weight	251 kg

## 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:

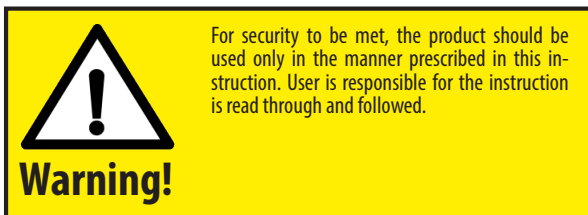
Kellfri AB, Munkatorpsgatan 6, 532 37 SKARA

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.

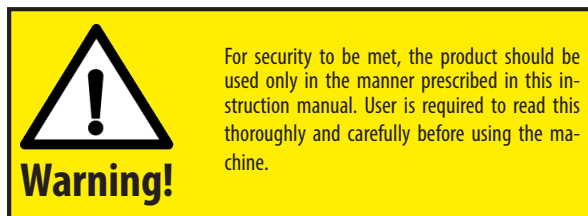


**Kellfri disclaim any responsibility for self-made modifications, changes or alterations.**

## PRODUCT SAFETY INSTRUCTIONS

Please read the operators manual. Always check the performance and the combination of the machine to be used together with the harrow.

- Be careful at road transport and follow traffic rules. Make sure that the tractor has sufficient weight on the front for safe driving. Avoid sharp turns.
- When servicing, place the equipment on level ground.
- Only the operator is allowed to be within the vicinity of the equipment during operation.
- Do not let anyone ride on the paddock harrow!
- The harrow is operated from the driver's seat.
- Danger zone 5 meters.
- No one other than the operator may be present within the danger zone during work.
- Parking is done with the implement resting on the ground.
- To stop the harrow movement, in an emergency, stop the tractor.








### 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.To stop winch movements, release the starter cord.

### WARNING DECALS

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 instruction manual carefully before using this product!
	WARNING! Risk of accident! Danger Zone 5m
	WARNING! No standing under the load! Do not use the cable for lifting!
	WARNING! Risk of pinching!
	Warning! Prohibition to Stay on the Machine.
	Warning! Accident risk for children! Children may not be near 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.

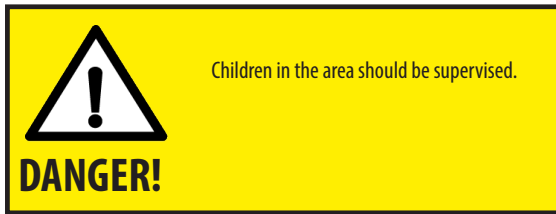


## SURROUNDINGS

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.

## CONNECTING THE MACHINE

- Check that if the product is damaged before connecting it to the vehicle.
- Connect the harrow onto the tractors 3 point hitch. Check that the machine does not come loose.
- Set the desired angle on the different functions; road drag, harrow pins and roller.
- Drive and check the machines movement.



## OPERATING THE MACHINE

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. Always work alone with the tools that are defined as single purpose tools. Respect the equipment's danger zone.

- Check the surface of the ground/working area before driving.
- Reduce speed when working on slopes and uneven terrain.
- Operation is done from the towing vehicle's cabin.
- Practice the movement pattern calmly and methodically by raking the gravel paths / gravel fields.
- Maximum speed when driving is 10 km / h.
- Adjustment of the various tools is done with adjusting levers.
- The machine is equipped with side scraper (plow) with the steering wheel towards the rim to pull the material or pushed out from the groove.

## **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 an authorized person.

- Regularly check the condition of the harrow before the failure is a fact. When cracks, twisting, bending, glitches or fatigue of parts are discovered, stop the operation and rectify the error. Worn parts shall be replaced. Disconnect the machine from the vehicle when repairing faults.
- Rinse the machine with water if necessary.

## **AFTER USE**

When the machine is not in use, store it under cover. It'll extend the life of the product.

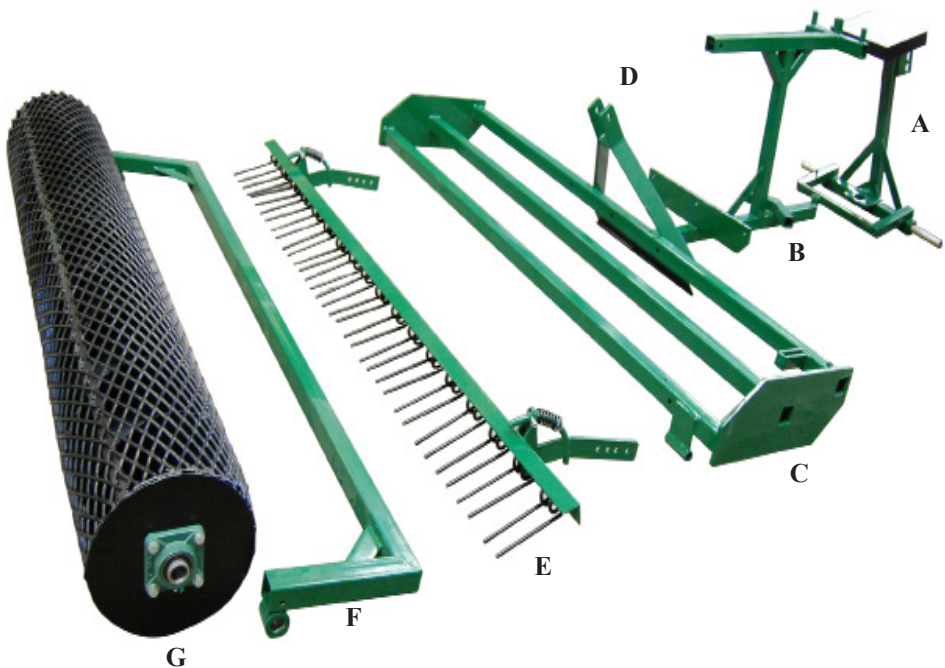
For parts: Contact Kelfri Service



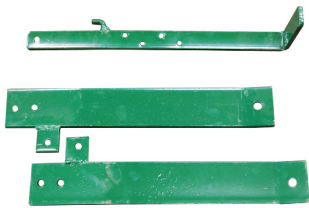
## ASSEMBLY INSTRUCTION

List of all parts:

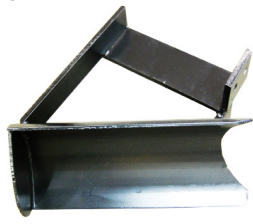
A	1st	Three-point frame
B	1st	Swing frame
C	1st	Frame for the front tines
D	1st	Triangle bracket
E	1st	Rear bar with harrow tines
F	1st	Roller holder
G	1st	Roller
H	1set	Adjusting Lever- consist of two falt bars and handles
I	1st	Side plow
J	1st	Steering wheel against the rim
K	10st	Tines
L	10st	Bracket with U clamp - for mounting of the tines
M	2p	Pivot - lower three point
N	1st	Stabilizer bar center
O	1st	Flat iron - transport lock
P	2st	Mounting bracket with spring between the tine frame and roller
Q	1st	Cover for three-point hitch
R	1 set	Bolt set



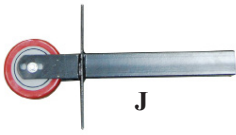
ASSEMBLY INSTRUCTION



H



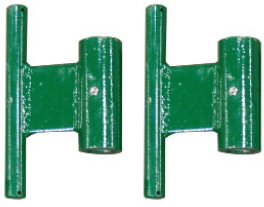
I



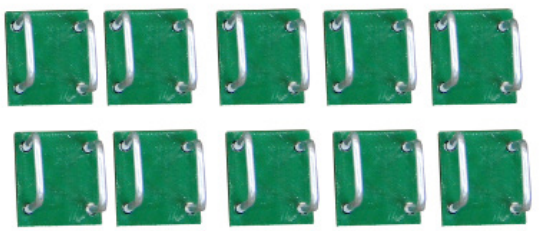
J



K



M



L



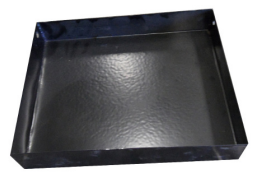
N



O

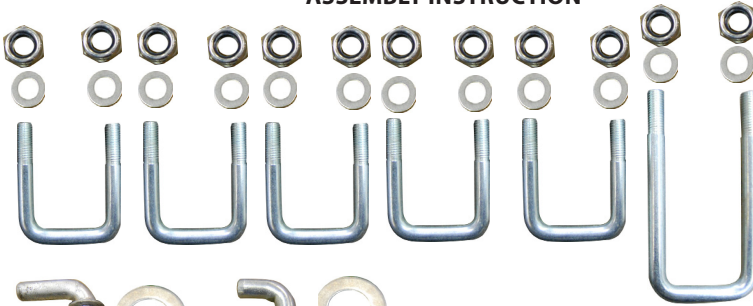


P



Q

## ASSEMBLY INSTRUCTION

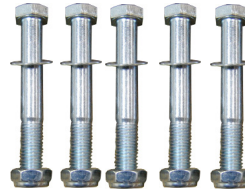


5p U-bracket (short)  
1st big U-bolt  
12 M12 Nut  
12st M12 Washers

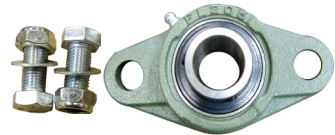


Pin (130 mm) for the height  
adjustment of the plow.  
Washer (60mm) and large  
R sprint

Pin (110 mm)  
Washer (D60mm)  
Large R-pin to the tower



5 pcs - M12x100



Bearing housing + 2 - M16x40 bolts  
with washers and lock nuts



7 pc - M12x45

1st - M12x35



2st -M16x60  
Swivel- limiter



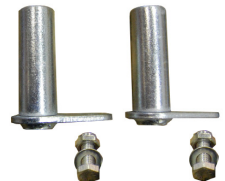
2st -Bult M12x70 to  
the triangular bracket



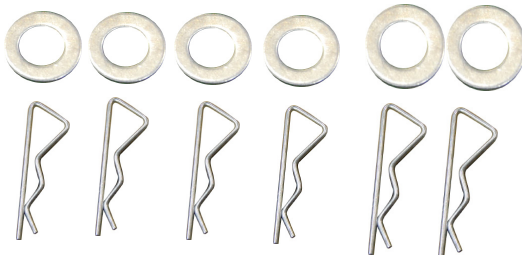
3st - M12x50



R-pins +Washers for  
transport safety



2st stock Print + 2 M8x20 with  
lock nuts and washers



Washer D50 + pins to 3 point

Washer D60 + Pins



Large Sprint + 1st M20 nut



2x lock knob



Screws for 3 point cap

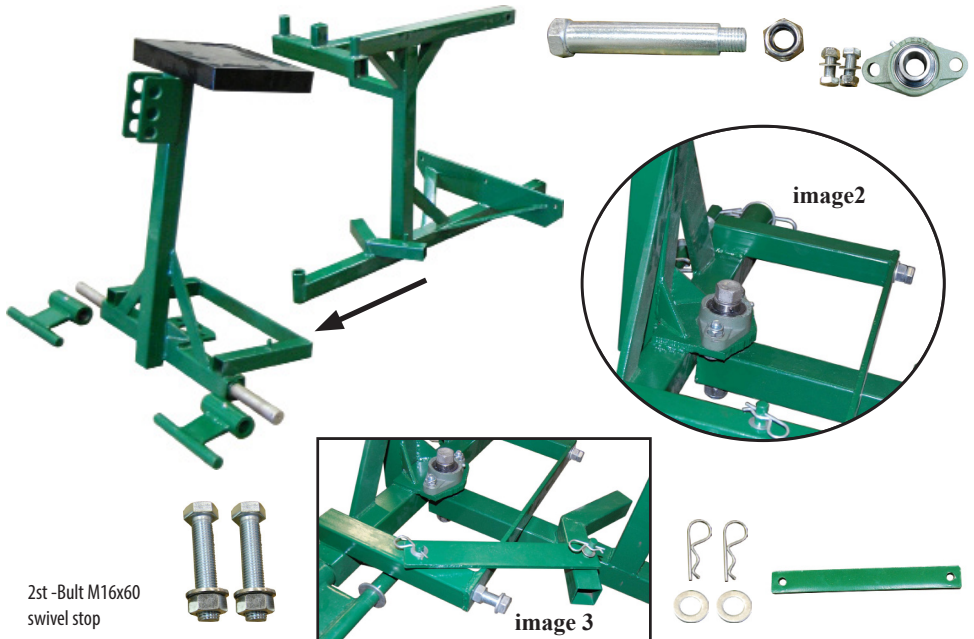
## ASSEMBLY INSTRUCTION

Prepare all parts. Be careful during assembly, there is always the risk of crushing.  
It is recommended that installation is carried out by at least two persons due to its weight.  
1.) Set the parts to be assembled on the ground to get a better overview.(image1)



image 1

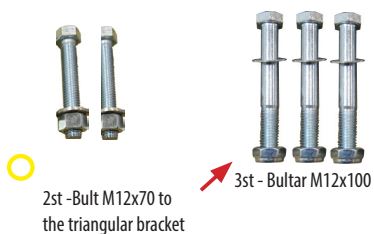
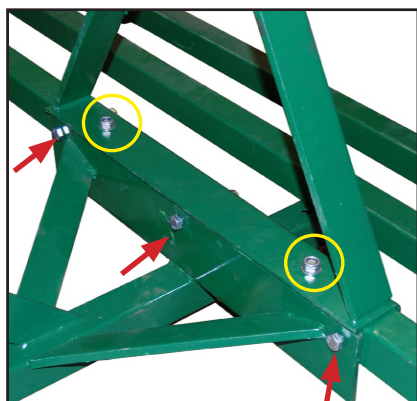
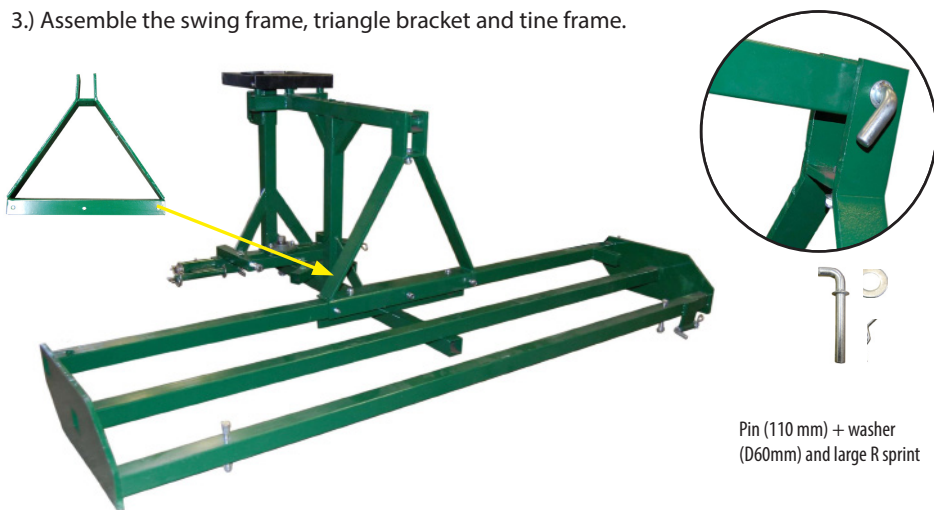
2.) Install bearing housing (image 2) on the three-point frame, then lift the frame and mount the swing frame. Attach the transport lock (image3) between 3-point bracket and frame. Do not forget to lubricate the bearings.



2st -Bult M16x60  
swivel stop

image 3

3.) Assemble the swing frame, triangle bracket and tine frame.

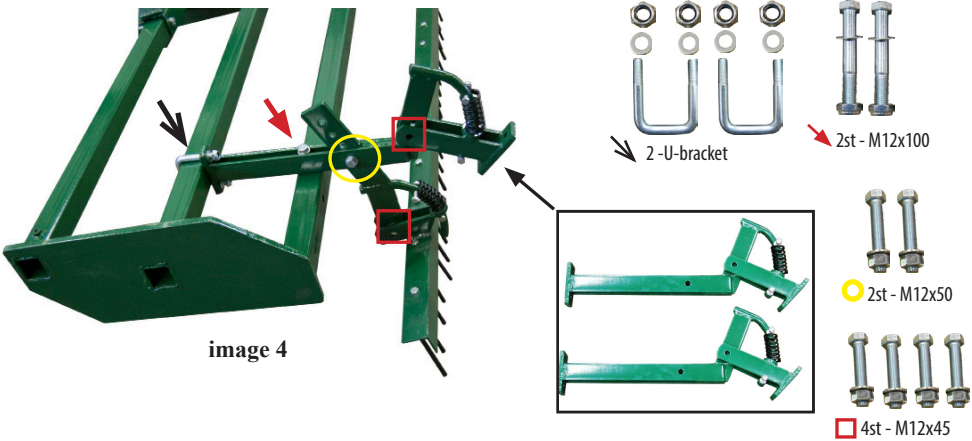


4.) Assemble the roller and the roller holder, lubricate the bearing with grease.





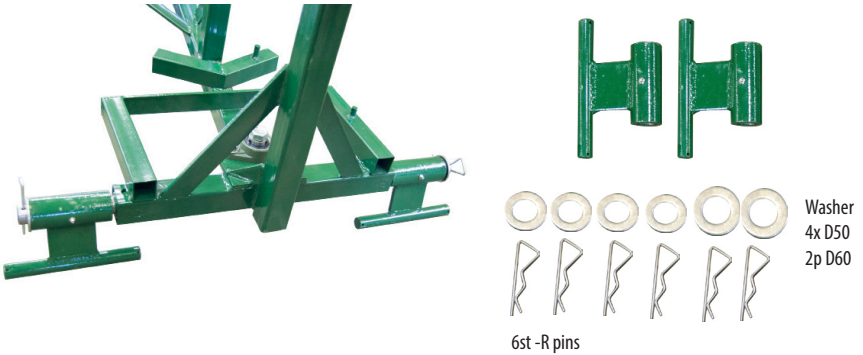
5.) Assemble the rear of the paddock harrow (image 4) perform the same procedure on the other side.



6.) Fit the roller.



7.) Fit and lubricate pivots with universal grease



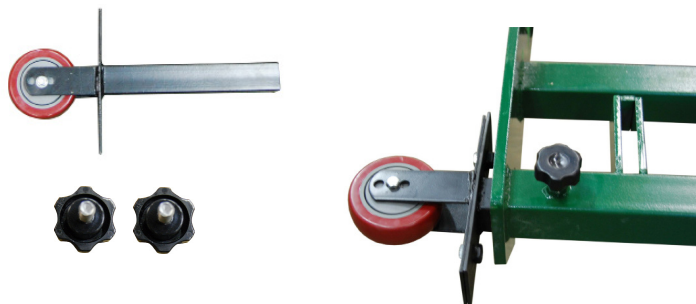
8.) Fit the plow and height adjustment lever. Note the right and left bracket, the lever screwed on the bracket ears, see images below. The plow is mounted between lever bracket.



9.) Mount the tines, distributed throughout the bar. Tines should be fitted every two sticks in different directions for better result.



10.) Install the steering wheel either on the right or left side of the machine.



11. Fit stabilizer bar.





12. Lubricate all lubrication points and check that all bolts / nuts are tightened.





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.

<b>Buyer:</b>	<b>Customer number:</b>
<b>Adress:</b>	<b>Invoice number:</b>
<b>E-mail:</b>	<b>Phone nr:</b>

<b>When was the product delivered?</b>	<b>When was the product taken into operation?</b>	<b>Did the product functioned as it should upon the first operation?</b>
--	---	--

<b>Defect product / part:</b>
-------------------------------

<b>Problem description:</b>
-----------------------------

<b>Describe the sequence of events:</b>
---

<b>Other:</b>
---------------

*Submit Complaint form and photo to:*

**Kellfri AB**

*Division of Services : Contact Kellfri retailer*

*Munkatorpsgratan 6*

*532 37 Skara*

*Or e-mail service.*

*info@kellfri.se*

<b>Signature:</b>	<b>Date:</b>
-------------------	--------------

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**

## 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 | <ul style="list-style-type: none"><li>• Labour costs</li><li>• Travel expenses</li><li>• Any modification that the buyer himself has/had made.</li><li>• Any consequential damages that occurred out of damage to the machine.</li><li>• Damage due to normal deterioration of the machine, inadequate: service, user inexperience or use of spare parts which are not original.</li><li>• Wear parts such as hoses, seals, oils, and mechanical belts</li></ul> |

## 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: Paddock harrow

Type: 28-RBH220

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 2015-07-15

*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*

Latest version: 2015-10-09

---

### CUSTOMER SERVICE

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

**KELLFRI AB**  
**Telefon: 0511 - 242 50**  
**Fax: 0511 - 168 33**  
**E-post: [info@kelfri.se](mailto:info@kelfri.se)**

