



Kellfri®

20-BG2000 BALE GRAPPLE



**READ THIS MANUAL CAREFULLY 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

Kellfri's BG2000 Bale Grapple has a unique design which eliminates unnecessary damage to plastic-wrapped round bales. The grapples have been designed using tubular pipes without joints and the frame attachment has been manufactured using hot-rolled profiles with rounded corners. This design means that the bale is exposed only to rounded material, thus protecting the bale from unnecessary damage. The grapple arms work in unison, which makes the tractor operator's loading work easier. The clamping force has been adapted to manage even the heaviest of bales, and the parallel rod enables the two grapple arms to clamp together with the pressure evenly distributed over the bale. The bale grapple requires a double-acting hydraulic outlet on the tractor. The bale grapple is supplied with two hydraulic ½ inch, quick coupling male hoses

NOTE! DELIVERED UNASSEMBLED

APPLICATION AREA

Intended for handling bales.

TECHNICAL DATA

Article NO:	Mount
20-BG2000E	Euro
20-BG2000T	SMS
20-BG2000Å	Ålö
20-BG2000SBM	Large BM
20-BG2000LBM	Small BM
Bale size	800 - 1800 mm
Bale weight	< 1200 kg
Arm height	780 mm
Coupling	½ "
Max. working pressure 175 bar	70/40 - 300
Hydraulic cylinder for lower working pressure	80/40 - 300
Bale weight	max 1200 kg
Weight	216 kg
Motion pattern	Parallel

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:

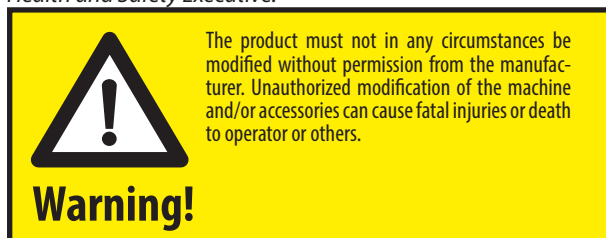
Kellfri AB, Munkatorpsgratan 6, 532 37 SKARA

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.

When using machine in a company, the employer has the responsibility to ensure that the user of the machine has theoretical and practical knowledge of the machine and that the work is done safely. Follow the country's Health and Safety Regulation. For more information, pls. contact your Health and Safety Executive.



PRODUCT SAFETY INFORMATION

- Read the instruction manual carefully before using the machine.
- Never overload the equipment!
- When lifting the load, be careful of falling hazard.
- The equipment is always operated from the tractor cabin. Never leave the tractor before the equipment is unloaded and the tractor braked.
- Keep distance within risk area. No one other than the operator may be present within the danger zone during work. Nobody is allowed to stay underneath suspended load.

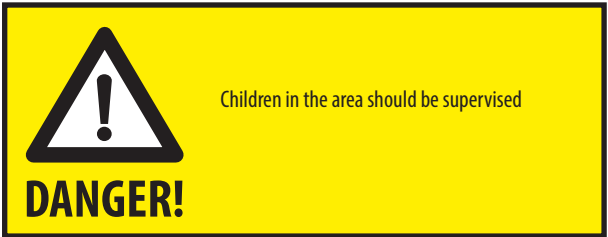
INSTRUCTION FOR EMERGENCIES

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 accessible during all work, maintenance and service. To perform an emergency stop, turn off the tractor.

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 equipments/products. Never have junk/debris lying in your work area. Have workspaces clean. Always respect the risk zone.



WARNING LABELS

Make sure that the warning labels are always visible, clean the warning labels if necessary. Do not wash with high pressure washer directly on the warning label. If any part of the decal is worn or label becomes frayed or otherwise unreadable, order new decals.

	Warning! Crushing Hazard: None is allowed to stand under a suspended load
Riskzon 5 m	Warning danger zone 5m
	Warning! Risk of Child Accident! Children are not allowed to be anywhere near the equipment.
	Warning! Prohibition to Stay on the Machine
	CE mark - The equipment is CE labeled

PERSONAL PROTECTION

Always use appropriate protective equipment. Do not wear loose clothing or jewelry when working with the equipment. Remember to put up long hair when working with equipment that rotates.



BEFORE USING

Read the instruction manual carefully. Be sure that you understand the safety information, instruction manual and warning labels. Use common sense during operation and use the appropriate personal protective equipment. Always check the performance and the machine combination that are used. It's highly important these matches in a satisfactory manner. This is to ensure the product or the function and most important yours and others safety. Do visual inspection of equipment or product before use.

Lubricate moving parts and check that all screw-nuts and bolts are tightened. 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.



Warning!

For safety, this product should only be used in the manner described in this manual. The user is responsible for the instruction to be read through and followed.

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 equipment or product in the manner described in this manual. Avoid the use of the equipment at lower temperatures than -20°C and higher temperatures than $+30^{\circ}\text{C}$.

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.



Warning!

Never use a tool or product with defect safety equipment.

Due to a hydraulic system is never 100% tight, a hydraulic system control should be performed before the equipment is operated. Leakage can occur due to internal leakage in the tractor's valve, internal leakage in the equipment's hydraulic cylinder etc. Check the extent of the leak by running the equipment's cylinder in end position and keep up the pressure for 1 min. If the cylinder begins to "wander" to the other direction there is a leakage in the gasket. Gasket or cylinder must be replaced.

Always work alone with the equipments that are defined as single porpose equipments. Never overload the trailer. Respect the equipment's danger zone.

COUPLING AND UNCOUPLING

Read the tractor's manual before using the equippmnt. The machine is connected to the tractor's front loader, secured with locking pins. Connect hydraulic hoses to the tractor's third function.

AFTER USE

Parking is not allowed with load above ground but is done with the equipment resting on the ground. The equipment with water if necessary.

TRANSPORT AND STORING

Make sure the area is clear of people, children and objects prior to transportation. Always be extra careful during transport and movement. Ensure that the equipment or product is well anchored and that existing transport safety devices are installed. Always place the load as low as possible. Respect the risk zone even in the transport and movement. When lifting, never stand under a suspended load. Trailers used to transport should have functioning brakes.

Always keep the equipment or product in a dry place, preferably under cover when not in use. Make sure that the equipment or product is stable and not likely to tip over. Never let children play at the storage site. Keep in mind the risk of tipping!

MAINTENANCE AND SERVICE

Visually inspect / check the equipment and its equipment regularly. The tractor engine must be switched off and the equipment is lowered to the ground position before service begins. Make sure the equipment is stable and not likely to tip over during maintenance and service. Replace damaged and worn parts immediately to reduce the risk of injury. Lubricate all moving parts and grease fittings and check hoses regularly. The hydraulic system is not adapted to the environmental friendly oil. Use only spare parts with equivalent performance to reduce the risk of damage and failure. All repairs and connections with electricity must be performed by an authorized person. Check all bolts and nuts are tightened after use, maintenance and / or service. Always test the machine before work is started.

RECYCLING

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

ASSEMBLY:

Prepared all parts. Be careful during assembly, there is always a risk of crushing.
It is recommended that installation is carried out by at least two persons due to its weight.



Bracket suitable for Trima



Make sure that all parts are included:

- 2 Grapples (left and right)
- 2 Welding attachment (EURO / SMS attachments)
- 1 Pc frame - for the installation of brackets
- 1 Pc hydraulic cylinder
- 2 Hydraulic hoses
- 1 Pc stabilizer bar
- 2 Shafts (long) for mounting the grapple
- 1 Set of mounting components

INSTRUCTION

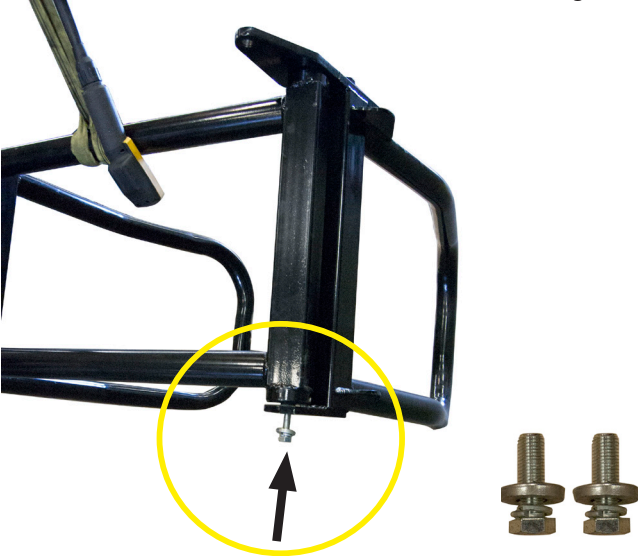
Place all parts to be assembled on the floor to get a better overview. Warning!
Risk of crushing! Make sure that the grapples cannot tip over during assembly.



Assemble the frame behind the grapples, when lifting, use only suitable lifting equipment. The parts are assembled with 2 shafts.



Raise the frame in order to mount the bolt on the shaft. Tighten.



Mount brackets on the frame. Check the CC measurement
CC dimensions: center to center distance between The bracket hook
Bracket suitable for TRIMA CC dimensions: 690 mm
EURO-mount CC dimensions: 790 mm

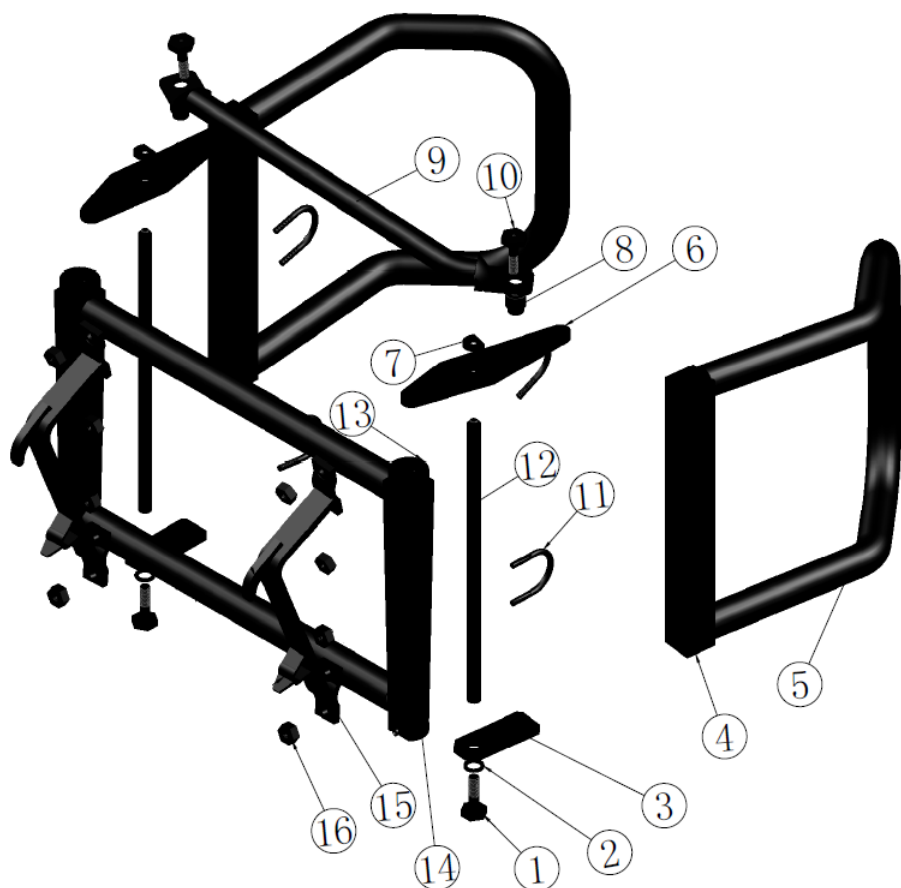


Install the stabilizer bar as shown below.



Install cylinder and hydraulic hoses, sometimes it can be difficult to pull out the piston rod from the cylinder. Mount the hydraulic hoses and connect them to the tractor hydraulic outlet and then press out the piston rod. Secure with pivot pins and lubricate all lubrication points. Check and tighten all bolts. Ready for use. Good luck!





NO.	DESCRIPTION	QTY.	NO.	DESCRIPTION	QTY.
1	Bolt	2	9	Stabilizer	1
2	Flat Washer	2	10	Bolt	2
3	Mounting plate	2	11	U-bolt	4
4	Square Profile	2	12	Shaft	2
5	Grapple	2	13	Bushing	4
6	Mounting Plate	2	14	square Profile	2
7	Bushing	2	15	Mounting plate	4
8	Nut	2	16	Nut	8

WARRANTY TERMS AND CONDITIONS

Validity of the warranty - Kelfri'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 due to 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

CE 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: 20-BG2000T 20-BG2000Å 20-BG2000SBM 20-BG2000LBM

Type: Bale Grapple

Complies with all applicable provisions of the Machinery Directive 2006/42/EC.
Other equipment must meet the hardware requirements of the Directive.



Tina Baudtler, CEO 2015-09-08

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 further notice.

CUSTOMER SERVICE

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

Kelfri AB

Phone: 0046 (0)511 - 242 50

Fax: 0046 (0)511 - 168 33

E-mail: info@kelfri.se

Kelfri®