

BKP/BKP-UF

Bale clamps



BKP-UF



BKP





English

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1. To the user

1.1 Introduction

The aim of this manual is to inform users about the commissioning, use and maintenance of their new WIFO hydraulic bale clamp. Also included in this manual are a number of safety instructions to create a safe working environment.

At WIFO-Anema B.V. we aim to continuously improve our products. WIFO-Anema B.V. reserve the right to introduce any changes and improvements deemed necessary without prior notice.

Please read the manual thoroughly and observe the safety procedures before putting the unit into operation. Contact your dealer for any further questions or concerns you may have.

We hope you will enjoy working with your WIFO bale clamp.



ATTENTION:

Carefully read this manual before you put the machine into operation and act upon all directions that are given. This is to guarantee its safe, trouble-free operation.


Keep this manual in a safe place for future reference!


WIFO-Anema B.V.

Dealer:

1.2 Safety precautions and warnings

Please read this manual before you put the machine into operation for the first time, and observe the safety instructions at all times. The most important instructions are marked with a symbol.

| | |
|---|--|
|  | <p><i>This symbol is used for all important safety instructions throughout this manual. Carefully observe the instructions and be very cautious.</i></p> |
|---|--|

| | |
|---|---|
|  | <p><i>This symbol is used for all important actions that should not be carried out under any circumstances. Carefully observe these prohibitions.</i></p> |
|---|---|

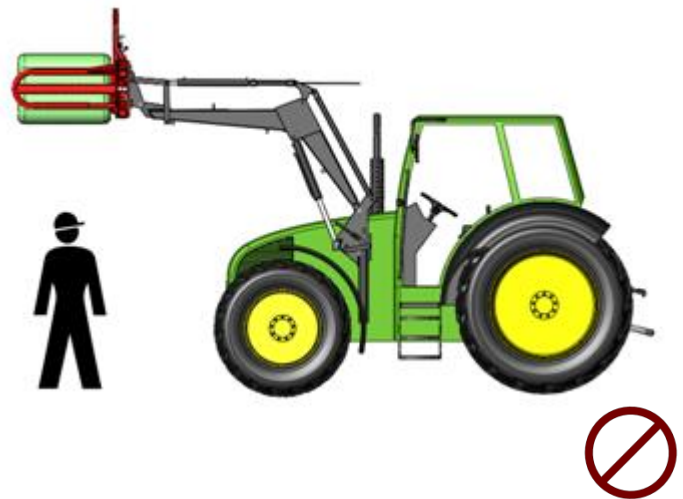
Any person in charge of the commencement of operation, the operation itself or the maintenance of the machine is urged to carefully read and observe the following instructions.

1.2.1 Safety regulations

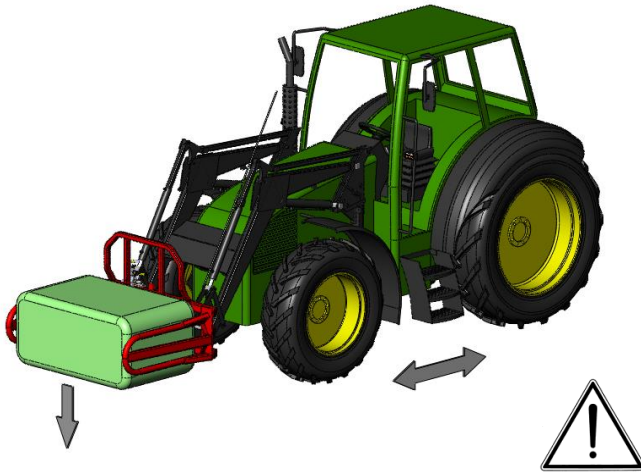
The following safety instructions apply to all types of WIFO bale clamp. It is not necessary to make any distinction here between the lifting vehicle used, or whether the bales are round or rectangular.




Do not allow anyone to hitch a ride.




Persons must not stand below the bale clamp. Remember that bales may fall from the clamp.




Bales should be transported in the lowest possible position, to provide maximum stability to the lifting vehicle.

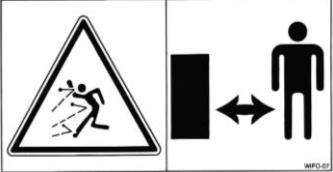
| | |
|---|---|
|  | <p><i>The clamp must only be operated from the driver's position in the lifting vehicle. Make sure the operator has full view of the work to be carried out.</i></p> |
| | <p><i>Ensure that the cylinder control lever cannot be confused with other controls, in order to prevent unintended operation.</i></p> |
| | <p><i>Ensure that the hydraulic hoses and any electrical cables cannot be trapped, and that the grabs are able to move freely.</i></p> |
| | <p><i>The bale clamp must be placed in the lowest position when parking the lifting vehicle. Ensure that the clamp/vehicle combination cannot make any unintended movements while the vehicle is not in use. Disconnect the hydraulic hoses if necessary. When the bale clamp is removed from the lifting vehicle and parked it should be placed on a level and stable substrate.</i></p> |

1.2.2 Safety stickers and warning signs

| | |
|---|---|
|  | <p><i>A safe working environment also requires personnel to be well-informed about the various safety stickers on the machine. Be aware of the hazards they warn you to look out for.</i></p> |
| | <p><i>Replace any loose, illegible or missing stickers.</i></p> |

Several safety stickers have been put onto the machine. The meaning of the stickers on this machine is as follows:

| | | |
|---|--|----------|
|  | <p><u>N.B.:</u> <i>Please read the instruction manual prior to any maintenance to the machine. Turn off the engine and remove the key from the ignition while maintenance is carried out on the machine!</i></p> | <p>1</p> |
|---|--|----------|

| | | |
|--|---|----------|
|  | <p><u>Danger:</u> <i>Always keep at a safe distance from the machine!</i></p> | <p>2</p> |
|--|---|----------|

1.2.3 Location of safety stickers on the machine

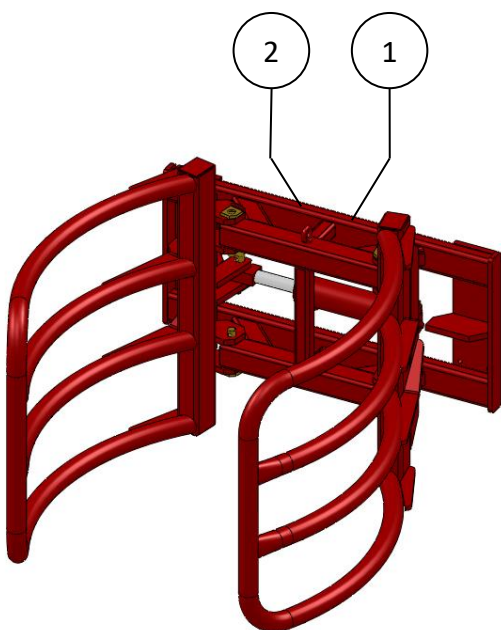


Figure 1.2.1-Location of safety stickers for BKP

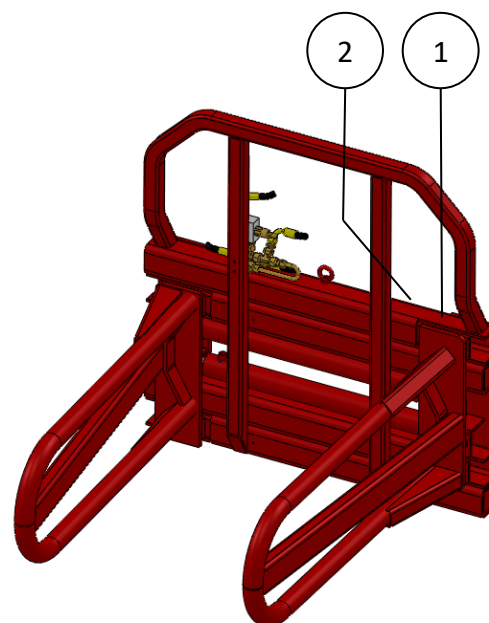


Figure 1.2.2-Location of safety stickers for BKP-UF

1.3 Purpose of use

The WIFO bale clamp is suitable only for the transport of film-wrapped round or rectangular bales. Several types of bale clamp are available, and a variety of models of each type can be supplied to allow attachment to different types of vehicle. See the technical data below for the appropriate type and model for your application.



The nominal capacity of all bale clamps is 1500kg. The capacity of the lifting vehicle must exceed the total weight of the bale clamp plus the load. The lifting vehicle must be equipped with a double action hydraulic connection, in close proximity to the bale clamp attachment to the lifting vehicle.

This bale clamp is intended for the transport of film-wrapped round or rectangular bales, and must in no circumstances be used for the carriage of persons!

1.3.1 Instructions for picking up a round bale

1. Drive towards the round bale with the main frame held vertical and the grabs apart.
2. Ensure that the frame comes up against the rear of the bale.
3. The bale must be located centrally in front of the clamp. The grabs must be to either side of the bale.
4. Once the clamp is correctly positioned the cylinder may be operated so that the grabs close and the bale can be picked up.

1.3.2 Instructions for picking up a rectangular bale

1. See instructions for picking up a round bale, substituting "rectangular" for "round" as appropriate.

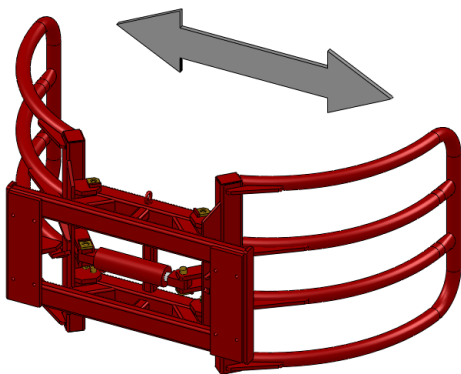


Figure 1.3.1-Illustration instruction 1

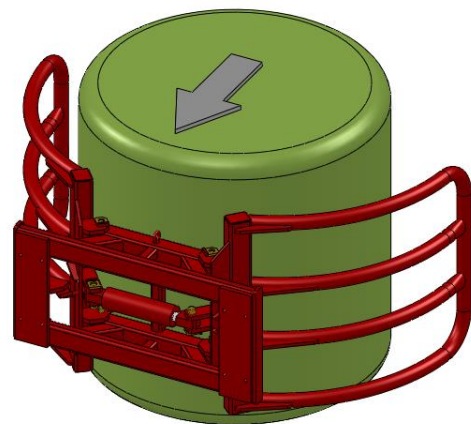


Figure 1.3.2-Illustration instruction 2

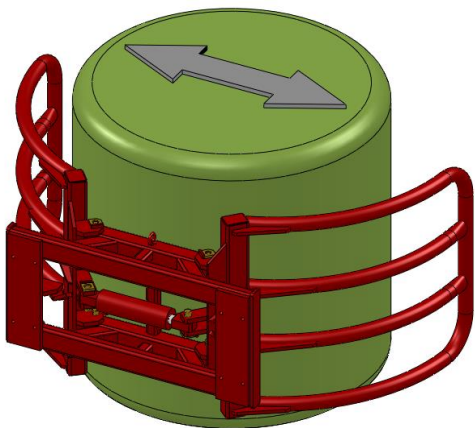


Figure 1.3.3-Illustration instruction 3

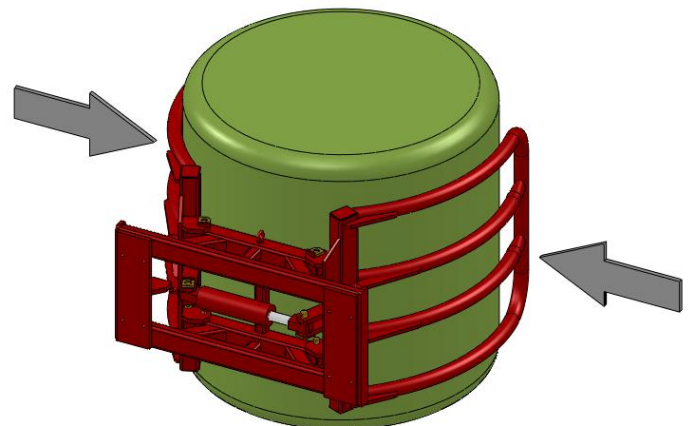


Figure 1.3.4-Illustration instruction 1



ATTENTION:

Ensure that the bales are securely located or stacked, so that they cannot roll or be displaced unintentionally.

1.4 Liability

Any person working with or on the machine must have read this manual. The machine is to be used for its intended purpose only. Included in the intended purpose are, among other things:

1. Work must be carried out in accordance with the directions and within the functional restrictions (e.g. maximum hydraulic working pressure) as outlined in the regulations. Use only sound and appropriate tools.
2. Electric/electronic equipment and accessories (e.g. cables) must be treated in accordance with the general accepted policy for using non-waterproof portable electric and electronic equipment, such as:
 - a) Storing and keeping in a clean, dry environment away from rodents and the like; and
 - b) Protecting the equipment against severe, uncushioned shocks and water (precipitation).
3. Use only original or compatible spare parts. Such parts must be assembled as directed (e.g. by observing the recommended tightening moments). Spare parts (as well as lubricants) are considered compatible only if explicitly approved by WIFO or in the event that the customer is able to prove they possess the required properties for the purpose(s) they are used.
4. Use only lubricants that meet the specifications as described in the directions.
5. Always observe the local regulations in terms of accident prevention, safety, traffic and transport.
6. Only trained personnel with knowledge of the possible hazards have permission to work with/on the machine.
7. WIFO-Anema B.V. will assume no liability in any shape or form for losses or damage caused following modifications to the machine, which have not been explicitly approved by WIFO.



Noncompliance with the rules and directions from this manual will be considered as serious negligence, for the consequences of which WIFO-Anema B.V. accepts no liability whatsoever. In such cases, the user will bear the full risk of his actions.

WIFO-Anema B.V. is continuously working on the improvement of its products. For that reason, WIFO-Anema B.V. reserves the right to introduce any changes and improvements deemed necessary without prior notice. However, it does not imply an obligation to make any such changes or improvements to machines bought by customers in the past.

1.5 Warranty

WIFO-Anema B.V. guarantees the soundness of its products in terms of materials used and/or structural defects. However, in any event this warranty is limited to the free-of-charge replacement or repairs of the defect product, or part thereof. WIFO-Anema B.V. assumes no liability for any loss or damage arising from faulty deliveries and/or the breakdown of purchased goods before the warranty period has expired. **The warranty period for this product is twelve months.**

2. Technical details

2.1 General technical data

| Type | BKP | BKP-UF |
|--------------------------|----------------|-------------------|
| Max. carrying capacity | 1500 kg | 1500 kg |
| Weight ¹ | 250 kg | 325 kg |
| Max. working pressure | 18Mpa (180bar) | 14Mpa (140bar) |
| Frontal extension length | 250 mm | 170 mm |
| Clamp capacity | 900 – 1300 mm | 750 – 2050 mm |
| Min. machine width | 1140 mm | 1150 mm |
| Bale type | Round | Round/Rectangular |

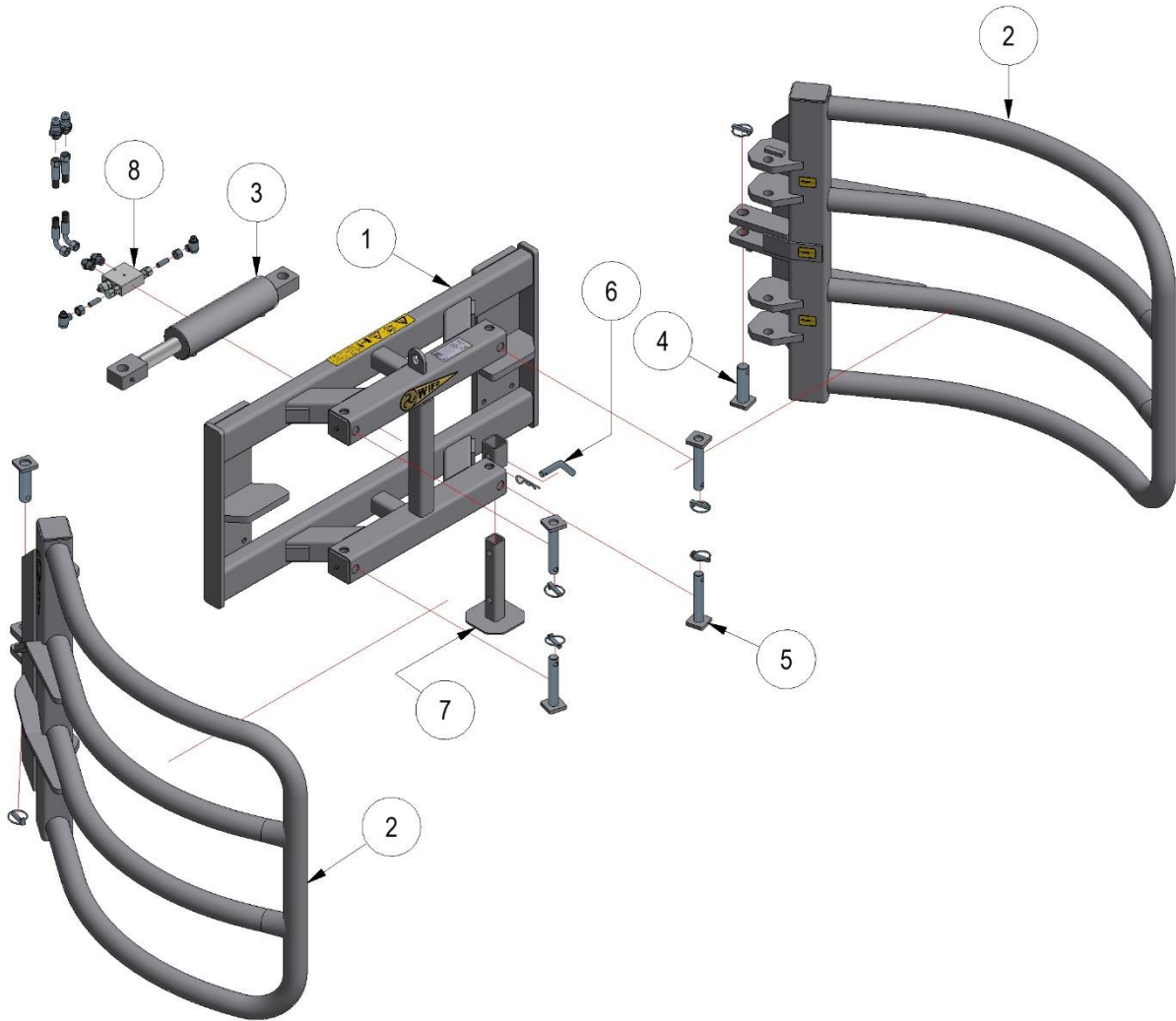
Table 2.1.1-Wifo bale clamp models

¹ Weighting excluding add-on components

A variety of accessories for fitting on the lifting vehicle are available for each type of bale clamp. This depends on the type of vehicle in use with the WIFO bale clamp.

2.2 BKP

2.2.1 Parts list



| Number | Description |
|--------|---------------------------------|
| 1 | BKP main frame |
| 2 | BKP clamp |
| 3 | BKP clamp cylinder DW 80-40-200 |
| 4 | Cylinder pin |
| 5 | Hinge pin |
| 6 | Support leg pin |
| 7 | Support leg |
| 8 | Overpressure/non-return valve |

Table 2.2.1-BKP parts list

2.2.2 Commissioning the BKP

1. The method of attaching the film-wrapped round bale clamp depends on the format of the clamp. Descriptions of the methods for the different formats are provided below:
 - a) **Three point (cat. II) linkage**

Check that the drawbars of the power lift of the tractor are at the same level. Couple the clamp to the category II three point linkage. Use the appropriate pins and retaining clips. Adjust the top link so that the bale clamp is horizontal. Only very little lateral play of the bale clamp in the power lift is allowed. Make the adjustments via the stabilizers of the power lift.
 - b) **Front loader, reach truck and shovel linkage**

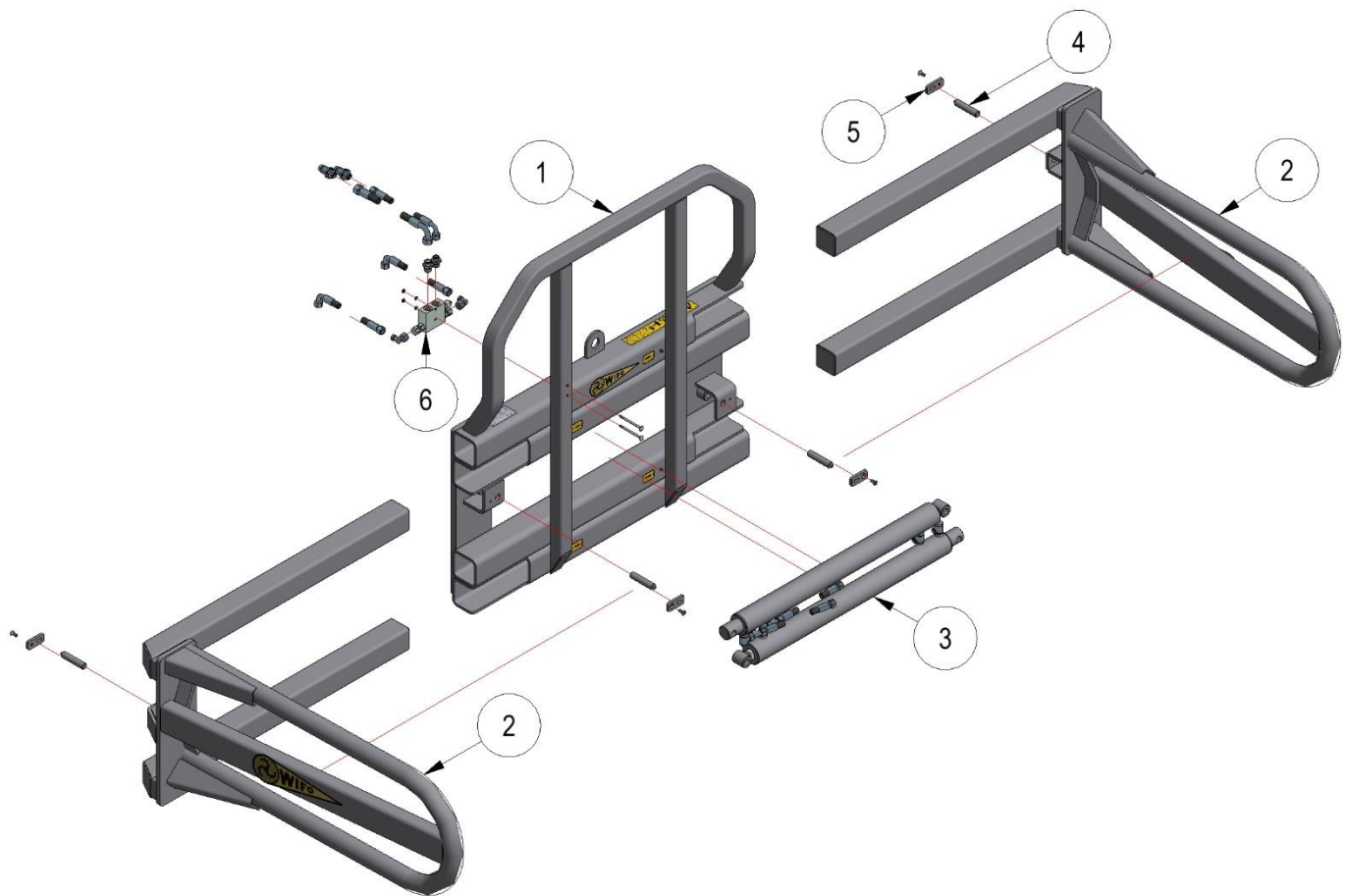
Unlock the quick attachment frame. Tilt the frame forward using the tilting cylinders. Hook the bale clamp onto the front loader, reach truck or shovel. The hooks must engage between the quick attachment system guide strips. Now tilt the frame to the rear using the tilting cylinders and lock the quick attachment frame so that the clamp is firmly attached.
 - c) **Lifting mast**

Remove the pins. Hook the bale clamp onto the lifting mast so that the clamp sits centrally behind the mast. Replace the pins so that the clamp is firmly attached. Use appropriate pins, nuts and bolts.
2. Connect the hydraulic hoses and ensure that the quick connectors are clean so that no contamination is introduced to the machine's hydraulic system.
3. Subsequently check that the hydraulic hoses can move freely and check that the system is not leaking oil.
4. Check the operation of the bale clamp using the hydraulic controls.

The WIFO bale clamp is now ready for use.

2.3 BKP-UF

2.3.1 Parts list



| Number | Description |
|--------|--------------------------------|
| 1 | BKP-UF main frame |
| 2 | Clamping cylinder DW 60-35-665 |
| 3 | BKP-UF clamp |
| 4 | BKP-UF pin |
| 5 | BKP-UF locking plate |
| 6 | Overpressure/non-return valve |

Table 2.3.1-Parts list for BKP-UF

2.3.2 Commissioning the BKP-UF

1. The method of attaching the film-wrapped rectangular bale clamp depends on the format of the clamp. Descriptions of the methods for the different formats are provided below:
 - a) **Three point (cat. II) linkage**

Check that the drawbars of the power lift of the tractor are at the same level. Couple the clamp to the category II three point linkage. Use the appropriate pins and retaining clips. Adjust the top link so that the bale clamp is horizontal. Only a very small amount of lateral play of the bale clamp in the power lift is permissible. Make the adjustments via the stabilizers of the power lift.
 - b) **Front loader, reach truck and shovel linkage**

Unlock the quick attachment frame. Tilt the frame forward using the tilting cylinders. Hook the bale clamp onto the front loader, reach truck or shovel. The hooks must engage between the quick attachment system guide strips. Now tilt the frame to the rear using the tilting cylinders and lock the quick attachment frame so that the clamp is firmly attached.
 - c) **Lifting mast**

Remove the pins. Hook the bale clamp onto the lifting mast so that the clamp sits centrally behind the mast. Replace the pins so that the clamp is firmly attached.
2. Connect the hydraulic hoses, ensuring that the quick connectors are clean to prevent contamination entering the machine's hydraulic system.
3. Check that the hydraulic hoses and electrical cables are able to move freely throughout, and check the system for oil leaks.
4. Check the operation of the bale clamp using the hydraulic controls.


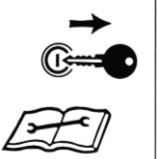
The WIFO bale clamp is now ready for use.

2.4 Replacement components

| Type | Accessories | Component number |
|--------|--------------------------------|------------------|
| BKP | Overpressure/non-return valve | 419058 |
| | Clamping cylinder DW 80-40-200 | 4190701 |
| | Clamping cylinder seal kit | 779288 |
| BKP-UF | Overpressure/non-return valve | 419058 |
| | Clamping cylinder DW 60-35-665 | 419066 |
| | Clamping cylinder seal set | 779284 |

Table 2.4.1- Replacement components for WIFO bale clamps

3. Faults and maintenance

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|   | <p><i>N.B.:</i> <i>Please read the instruction manual prior to any maintenance to the machine.</i> <i>Turn off the engine and remove the key from the ignition while maintenance on the machine is carried out!</i></p> |
|---|--|

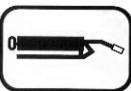
The bale clamp and its grabs must be brought fully together and placed in the lowest position during repairs or maintenance to the bale clamp. Prevent any unintended operation of the cylinder(s) or motion of the bale clamp during maintenance activities by switching off the lifting machine's engine and removing the ignition key. Ensure that the clamp is properly supported.


A further precaution is to disconnect the hydraulic hoses.


3.1 Preventive maintenance and lubrication

After the first 8 working hours:

- Check the connections and turnbuckles of the hydraulic hoses.

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|  | <p><i>This sticker shows the position of a grease nipple on the machine. Lubricate the machine after every 10 working hours. Recommended lubricants include SAE 30 oil and Grade 2 lithium-based grease.</i></p> |
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|  | <p><i>Regularly check the hydraulic system for any leaks. Never try and search for leaks or stop a leak by hand. Liquid under high pressure can easily penetrate skin and clothing, and may cause serious injuries. Replace any damaged hydraulic hoses to prevent bursting and subsequent injury.</i></p> |
| | <p><i>Regularly check the oil level of the hydraulic system of your forklift truck / tractor.</i></p> |

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|  | <p><i>Please contact your dealer for any further concerns you may have. He will be pleased to assist.</i></p> |
|---|--|

3.2 Work to be carried out by a competent mechanic



Always use original WIFO parts for replacement in order to comply with the warranty terms and conditions.

EG-VERKLARING VAN OVEREENSTEMMING VOOR MACHINES
EC-DECLARATION OF CONFORMITY FOR MACHINERY
EG-MASCHINENÜBEREINSTIMMUNGSERKLÄRUNG
DÉCLARATION DE CONFORMITÉ "CE" POUR MACHINES

Fabrikant/Manufacturer/Fabrikant/Fabricant:

WIFO-Anema B.V.

Adres/Address/Adresse/Adresse:

Hegebeintumerdyk 37
9172 GP Ferwert
The Netherlands

Verklaart hiermede dat /Herewith declares that/Erklärt hiermit, daß/Déclare ci-après que

Serienummer/Serial number/Serienummer/Numéro de série:

Uitvoering/Model/Ausführung/Modèle:

- Voldoet aan de bepalingen van de Machinerichtlijn (Richtlijn 2006/42/EG, zoals laatstelijk gewijzigd) en de nationale wetgeving ter uitvoering van deze richtlijn;
- Is in conformity with the provisions of the Machine Directive (Directive 2006/43/EC, as amended) and with national implementing legislation;
- Konform ist min den einschlägigen Bestimmungen der EG-Maschinerichtlinie (EG-Richtlinie 2006/42/EG), inclusive deren Änderunge, sowie mit dem entsprechenden Rechtserlaß zur Umsetzung der Richtlinie in nationales Recht;
- Est conforme aux dispositions de la Directive "Machines" (Directive 2006/42/EC telle que dernièrement modifiée) et la législation nationale adoptée en application de ladite directive.

Ferwert, January 2020



Wytze Anema
(Director)