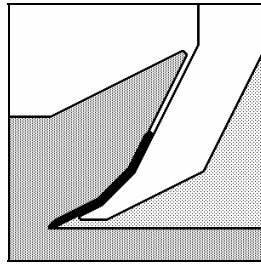
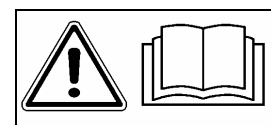




SUPER CRAKER KFR



USER AND MAINTENANCE MANUAL



Consult this manual carefully before using the machine. Knowing in detail the machine is essential for safe usage.

Thank you for choosing Alpego, you have purchased a top quality product that is guaranteed by a decade of experience.

Before leaving the factory, each machine is accurately inspected to guarantee that it is in perfect condition.

Should you however, find any faults in the material, please contact your retailer immediately.

Please do not hesitate to contact us should you need further information or assistance, our aim is to constantly improve the product, keeping it at top level.



LOOK OUT FOR THE TRIANGLE. IT INDICATES DANGER



THE TERM MACHINE REPLACES THE COMMERCIAL DESCRIPTION OF THE ITEM DESCRIBED IN THIS MANUAL

ALL DATA AND DESCRIPTIONS REPORTED IN THIS MANUAL ARE TO BE CONSIDERED INFORMATIVE. THE PRODUCER IS NOT BOUND TO MAINTAIN THESE CHARACTERISTICS WHICH COULD BE VARIED WITHOUT FOREWARNING.

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- 1.2 DOCUMENTS THAT COME WITH THE MACHINE
- 1.3 MACHINE IDENTIFICATION

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12 SUPER CRAKER KFR WITH FRANTER ROLLERS



1 GENERAL INFORMATION

1.1 PURPOSE OF THE MANUAL

This manual has been prepared by the machine manufacturer and it is an integral part of the documentation that comes with the machine.

In this manual you can find detailed and precise explanations regarding the correct use of the machine and it also establishes correct machine application and its limits.

To guarantee the safety of persons using the machine; working economy and longer duration, you must follow the indications given in this manual at all times.

This manual has been divided into various sections. Consulting the index makes searching for specific topics easier.

The illustrations in this manual are indicative. Even if you notice a difference with the machine you possess, safety and information are still fully guaranteed.

In order to follow a policy of constant development and updating, the manufacturer can make modifications without forewarning.



LOOK OUT FOR THE TRIANGLE. IT INDICATES DANGER

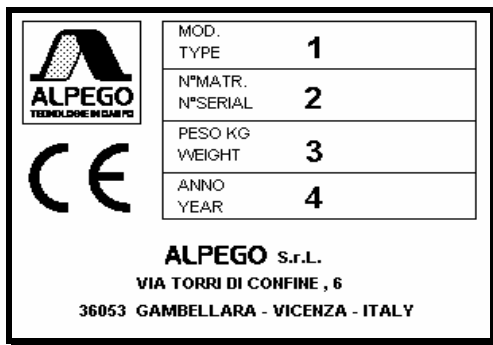
1.2 DOCUMENTS THAT COME WITH THE MACHINE

The following documents must be supplied with the machine:

- User and maintenance manual
- EC declaration of conformity
- Spare parts catalogue

1.3 MACHINE IDENTIFICATION

The machine identification plate gives the following information and it can be found near the 3 point hitch:



1- Machine type

2- Serial number

3- Maximum weight of the machine with roller

4- Year of production

2 GUARANTEE

On arrival of the machine, make sure that machine and accessories have not been damaged during transportation. **Any complaints must be made in writing within 6 days from delivery date.**

2.1 GUARANTEE FORFEITURE

The guarantee is rendered null and void immediately if:

- there is a manoeuvre error
- the shank safety screw that is used does not correspond to the one indicated by the manufacturer.
- the consented power limits are exceeded (see table 2.3)
- the instructions described in this manual are not followed
- original spare parts are not used
- any modification is made to the machine without prior authorisation by the manufacturer

3 TECHNICAL SPECIFICATIONS

3.1 MACHINE DESCRIPTION

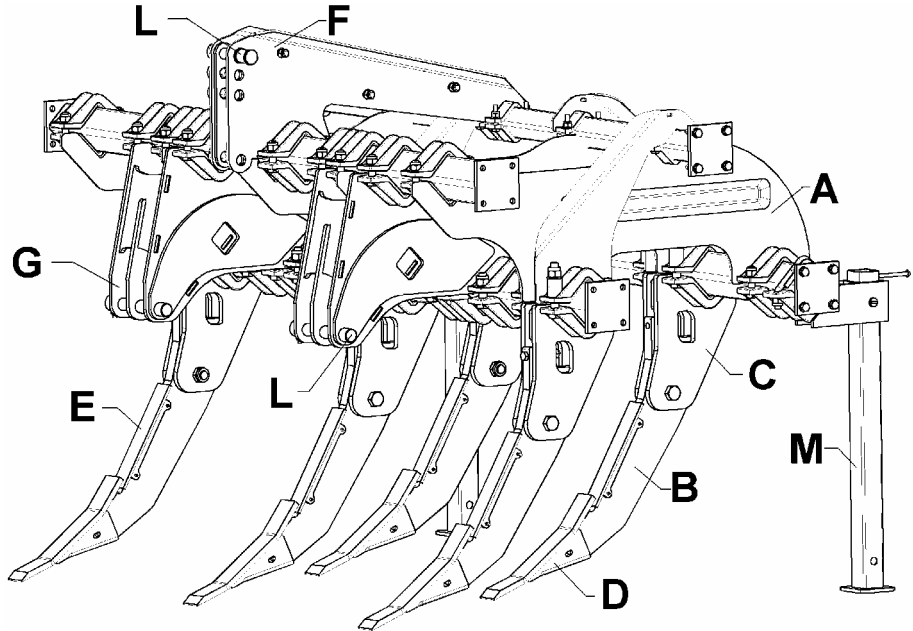
The machine should be used to work agricultural soil. It breaks the soil deeply without remixing the layers and is a valid alternative to ploughing.

The machine can only be used while the soil is flaky enough to obtain sods that pass through the shanks without causing clogging.

It should be applied to agricultural tractors equipped with a three point hitch that is compatible with the characteristics indicated in CHART 3.2 in the technical information section.

The main parts are:

- A) Main frame
- B) Shank body
- C) Shank support
- D) Quick ploughshare
- E) Shank protection
- F) 3rd point hitch
- G) Tractor lower hitches
- L) Category 3 pin
- M) Supporting leg



3.2 TECHNICAL INFORMATION CHART

| model | tractor power KW | max. working depth mm. | working width mm. | transport width mm. | weight kg. | tractor hitch category | n. of shafts |
|---------------|------------------|------------------------|-------------------|---------------------|------------|------------------------|--------------|
| KFR 5 | 80-191 | 650 | 2400 | 2200 | 1100 | 3° | 5 |
| KFR 7 | 101-191 | | 3300 | 2950 | 1510 | | 7 |
| KFR 9 | 101-191 | | 4000 | 3800 | 1940 | | 9 |
| FKFR 5 | 80-191 | | 2500 | 2500 | 1410 | | 5 |
| FKFR 7 | 101-191 | | 3000 | 3000 | 1850 | | 7 |
| FKFR 9 | 101-191 | | 4000 | 3800 | 2550 | | 9 |

FKFR is made up of KFR with a set of **FRANTER** rollers

4 SAFETY PRECAUTIONS

4.1 SAFETY REGULATIONS



Read the user and maintenance manual carefully before starting-up, before using the machine and before carrying out maintenance on the equipment.

The manufacturer cannot be held responsible for injuries caused to people and animals, or damages caused because the safety regulations have not been observed by the user.

The machine cannot be used for different purposes other than those expressly indicated in this manual. Examine carefully the adhesive labels on the machine and make sure you follow their indications. People or animals should never approach the moving area of the machine while it is manoeuvring.

When you are at work, do not allow people, animals or things to approach the working range of the sods and the stones that are ejected by the machine.

4 SAFETY REGULATIONS

When carrying out any operation on the machine, make sure that NOBODY gets into the tractor.

Always remain seated in the tractor driving seat and get off only when the handbrake is pulled up.

During working pauses switch off the motor, place the machine onto the ground and pull the tractor handbrake up.

Do not use machine if protections have been removed.

Do not use the machine as a means of transportation for people, animals or things.

Do not work on soil or in places that could compromise machine stability.

When circulating on the road, it is necessary to follow the Highway Code of the country where the machine is being used.

Do not allow unauthorised people to carry out maintenance or any other type of intervention on the machine.

Maintenance and repairs should be carried out in suitably equipped workshops.

Make sure you always use original accessories and spare parts respecting manufacturer requirements. If you do not follow this important notice, you can cause operational defects that would prejudice machine safety and your guarantee will be considered null and void.

4.2 CLOTHING

You should always wear clothes protecting the body with no hanging parts that could get stuck in the moving components. Remove watches, rings, necklaces, etc. that could cause dangerous situations. Pull up long hair into a ponytail.

The machine user may have to wear suitable safety-wear (glasses, gloves, helmet, shoes, etc.) Check and follow safety rules in your country.



4.3 ECOLOGY

Regulations in your country regarding the use and disposal of lubricating products; maintenance operations and cleaning of machine must be respected. Observe carefully the indications given on the packaging of the products used.



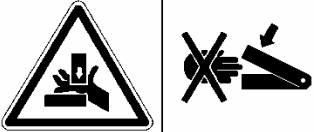
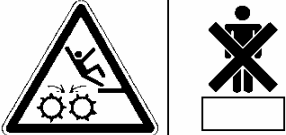
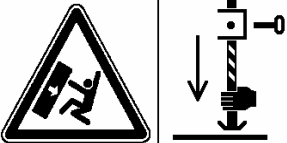
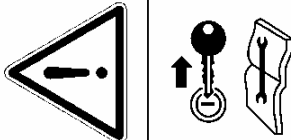

Respect current norms also for scrapping of machine.



4 SAFETY PRECAUTIONS

4.4 EXPLANATION OF THE SYMBOLS ON THE LABELS

A good number of labels on the machine point out the sources of danger. Observe them carefully and follow the indications for a safe use of the machine. These stickers should be kept clean and legible; if damaged they should be replaced.

| LABEL | code | INDICATION |
|--|---------------|--|
|  <p style="font-size: small;">(i) PRIMA DI USARE L'ATTREZZATURA E' OBBLIGATORIO LEGGERE IL LIBRETTO USO & MANUTENZIONE ED I CONSIGLI SULLA SICUREZZA DA OSSERVARE TUTTE</p> | D02612 | It is a MUST to read the user and maintenance manual and safety instructions before using the equipment. These must be followed during use. |
|  | D02627 | Indicates hooking point for machine transportation |
|  | D02613 | Indicates the danger of shearing while the machine is working |
|  | D02609 | It is forbidden to get on the machine while working. |
|  | D02617 | Indicates where the supporting leg should be positioned when the machine is not being used. This guarantees stability |
|  | D02615 | Indicates the need to switch off the tractor and remove the ignition key during maintenance operations |
|  | D02624 | Indicates danger caused by pressurised oil should the hydraulic pipes break. Consult the instruction manual before repairing hydraulic systems |

5.1 LIFTING

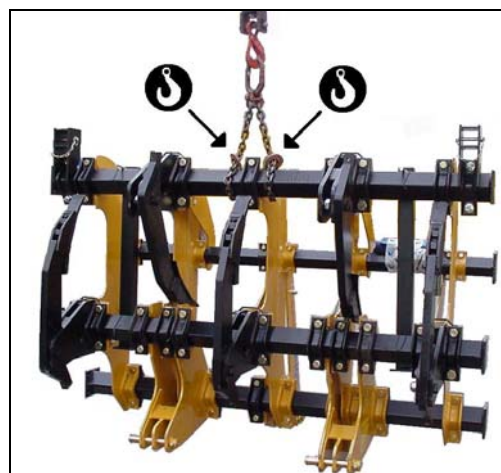
The machine should be lifted and transported using the right means, suitable for its weight, and by personnel that is trained in this kind of work.

Hook the machine in the two points indicated in the figure below and go ahead. The loads should not be raised by more than 200 mm from the ground while carrying out these operations.

Already set up



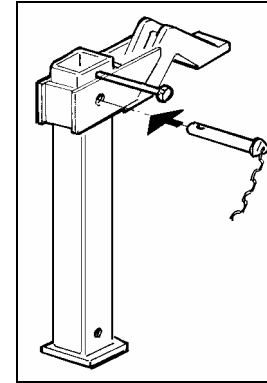
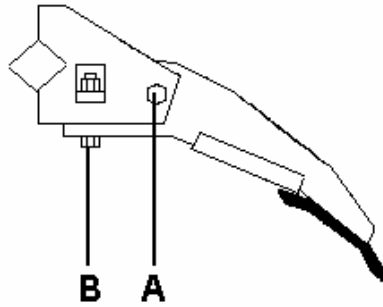
Ready for shipment position



5 INSTALLATION

5.2 PREPARATION BEFORE USE

Should the machine be delivered in a "ready for shipment" position, the shanks should be removed and placed in the correct working position. Tighten the articulation bolt **A** (so that it rests against the shank) and the safety bolt **B** (which should be fully tightened). Place the supporting leg in its correct position and fasten it with the pins.



At this point, place the machine in a normal working position, and without lifting it, use a sling to turn it 90°.

This is a dangerous operation, you have to be very careful when doing this! Keep unauthorised people away from the area, and check suitability of your means. Do not touch hanging loads and keep the necessary safety distance.

5.3 CONNECTION TO THE TRACTOR

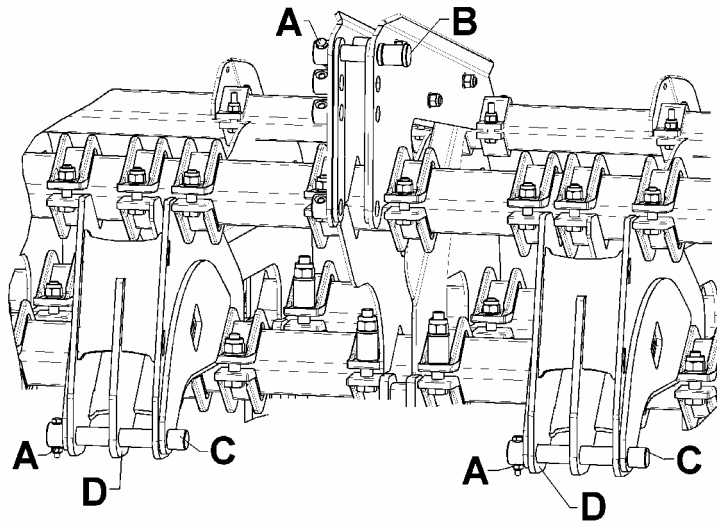
The machine is set for category 3 hitches. Make sure you check the weight on the axes and, if necessary, ballast the tractor at the front.

After checking that the tractor can be connected to the machine, move it closer to couple the three points. Switch off motor, pull up handbrake, get off the tractor and prepare connection of the three points.

5.4 CONNECTION TO THE TRACTOR

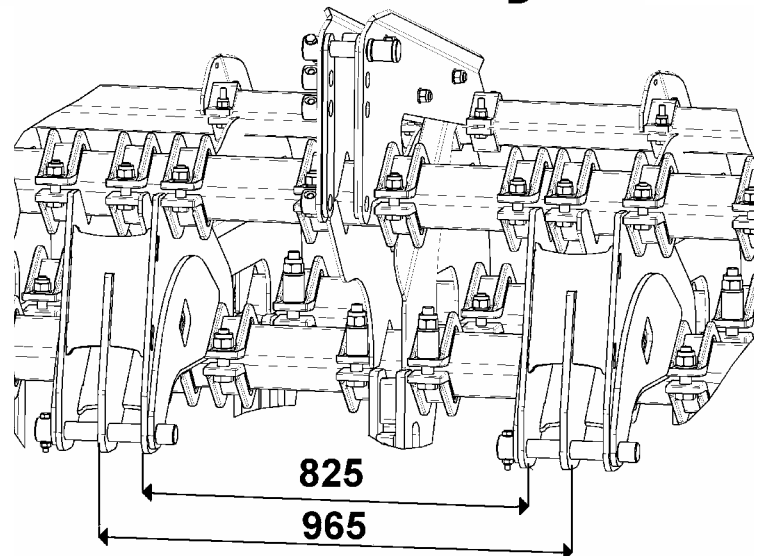
Connect the lower arms and the third tractor hitch as follows:

- Remove nuts and bolts **A**
- Remove pins **B** and **C**
- Insert detent of the lower tractor arms into the lower sockets **D**
- Insert pins **C**, nuts and bolts **A**,
- connect tension rod to the third point of the tractor in the same way. Thread pin **B** and nuts and bolts **A** into one of the three holes. The hole should be selected according to the tractor lifting force.



5.5 POSITIONING THE LOWER ARMS

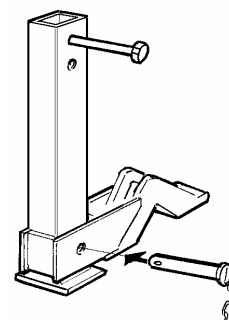
The lower arms can be positioned at 825 mm, or at 965 mm if dealing with category 3 hitches.



6 USE



Follow all the safety regulations described in section 4 of this manual and consult the documentation regarding tractor use carefully. With the machine is connected to the tractor, start lifting procedures, raise the supporting leg as indicated in the diagram (do not move machine while leg is in resting position).



6.1 USE WITH TRACTORS **HAVING** CONTROLLED LIFTER STRESS

Start working by moving forward at a slow speed and lowering the shanks slowly until you reach the working depth needed.

Select working speed according to the soil and the power you have. Keep in mind that the faster the speed forward, the better the soil breaking effect is.

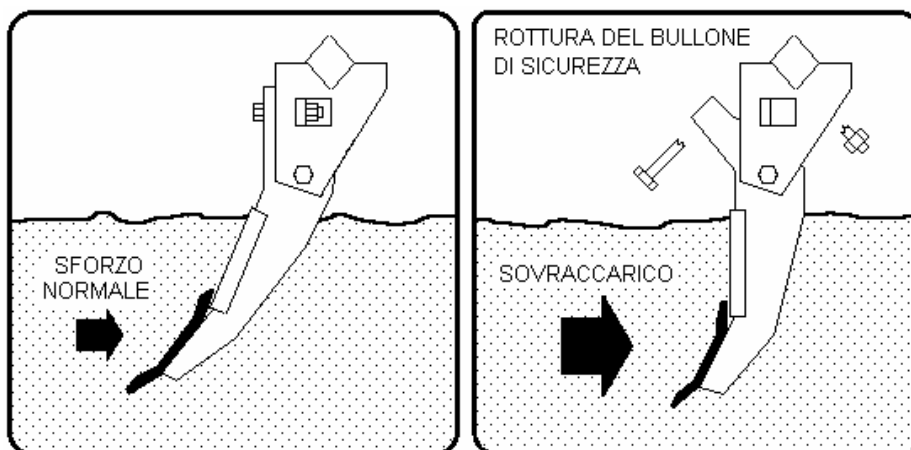
6.2 USE WITH TRACTORS **WITHOUT** CONTROLLED LIFTER STRESS

If you are working with a tractor that does not have a controlled lifter stress device, the working depth can be regulated with the right accessories that can be supplied upon request, such as a SET OF FRANTER ROLLERS or a set of rear wheels.

These accessories support the machine and regulate the working depth. It is advisable to start working at minimum depth then to lower gradually until you reach the required working depth.

7 SAFETY

As well as being equipped with a hydraulic safety device, each machine shank has a bolt that breaks by traction each time there is a force above the machine capacity. This safeguards machine structure from excessive forces. In addition, to guarantee structure resistance, do not make turns and do not change direction while shanks are underground because you would modify the safety devices effect.



8 CHECKS AND CONTROLS

During the first **50 working hours** it is a good idea to check the tightness of all the bolts, because the power generated while working creates structure movement. If necessary, tighten as indicated in the chart below. Repeat this operation on a regular basis, every **200 working hours**.

DRIVING TORQUE RECOMMENDATIONS FOR BOLTS AND SCREWS

| nominal diameter | M8 | M10 | M12 | M14 | M16 | M20 | M22 | M24 |
|--------------------|----|-----|-----|-----|-----|-----|-----|-----|
| hexagon wrench mm. | 13 | 17 | 19 | 22 | 24 | 30 | 32 | 36 |
| driving torque Kgm | 3 | 6 | 10 | 14 | 21 | 40 | 54 | 70 |
| driving torque Nm | 30 | 59 | 98 | 137 | 205 | 390 | 350 | 685 |

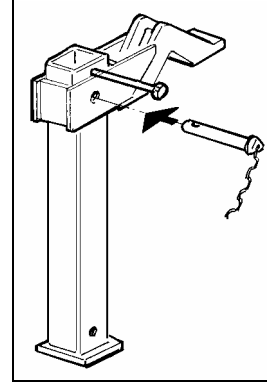
8.1 LUBRICATION

There is no need for lubrication in this machine since there are no moving parts, however, for the models that come with Franter rollers, lubricate roller supports through greasing holes. Lubricate every 8/10 working hours.

9 UNCOUPLING AND END OF SEASON OPERATIONS



When working time is over, lower the supporting leg and lock it with its pin. The machine can be unhooked from tractor, but it **should be positioned on a ground which is solid enough to guarantee its stability.**

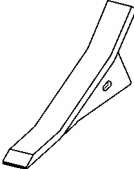
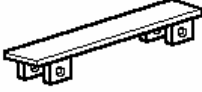
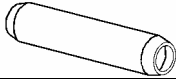



10 SPARE PARTS

The ploughshare on the shank point is the part that is most subject to wear and tear, therefore it should be rotated before the shank body wears out. If both extremities are worn out, the shank should be replaced. Please see chart for spare parts codes.

Other components which can be requested as spare parts are the shaft wearproof protection, and the safety bolts of the shafts, that should be exactly as shown in the chart.

SPARE PARTS CHART

| Item code | Figure | description |
|---------------|---|---|
| E05610 |  | QUICK PLOUGHSHARE (width 70 mm. standard mounted) |
| E01506 |  | WEARPROOF PROTECTION (for shank) |
| C04664 |  | SPIROL SOCKET D.12X60 (for quick ploughshare) |
| CF1065 |  | PACK 10 BOLTS TE 8.8 M16x120 (for shank safety) |



11 ACCESSORIES



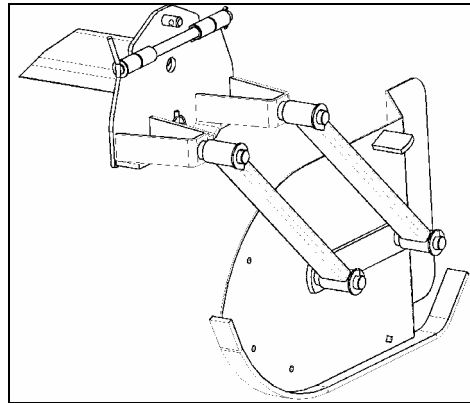
The machine can be equipped with various accessories. As the machine weight varies each time an accessory is added to the tractor, make sure that tractor stability is not compromised.

ACCESSORIES AVAILABLE FOR SUPER CRAKER KFR

| code | description | weight kg. |
|----------------------------|---|------------|
| S12002 | Sod containing kit | 106 |
| S13003 | Winged soil sweep | 7 |
| S13007Rx2 +KFR7 4+3 | Shank kit for Hydr Franter roller S14019 (4m) | 200 |
| S13014x2 +KFR7 4+3 | Shank kit for Hydr Franter roller S14103 (4m) | 200 |

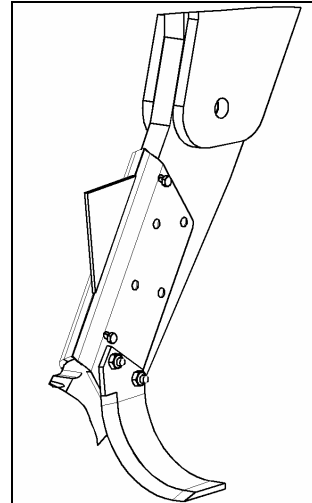
11.1 SOD CONTAINING KIT

This device holds sods inside the working width of the machine, keeping them from falling on the freshly-worked soil or the soil still to be worked. It should be applied as shown in the figure.



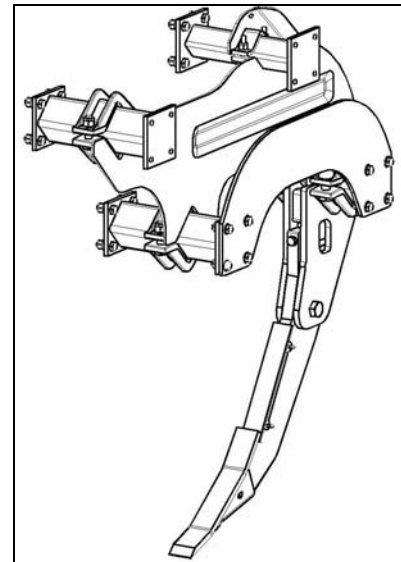
11.2 WINGED SOIL SWEEP

This device is ideal for controlling soil explosion because it has various regulation holes. It should be applied directly to the shank replacing the protection.



11.3 SHANK KIT

This device transforms a KFR 5 into a KFR 7 with the addition of 2 SHANK KITS



12 SUPER CRAKER KFR WITH FRANTER ROLLERS

This machine is a combination of a SUPER CRAKER KFR and a set of FRANTER rollers. The rollers, which can be requested separately and applied to a SUPER CRAKER KFR, should be positioned behind the SUPER CRAKER in order to support the machine and regulate the working depth by way of a series of holes. This guarantees good soil levelling and preliminary refining of the surface sods. The rollers should be assembled at the rear of the SUPER CRAKER as shown in the figure. Sizes of 250 for assembly on KFR 5 and 300 for assembly on KFR 7 are also available.



To regulate better ploughing depth, it is possible to have a set of FRANTER ROLLERS with hydraulic regulation, made also in sizes of 4 metres for KFR-9.



USATE SEMPRE RICAMBI ORIGINALI
EMPLOYEZ TOUJOURS LES PIÈCES DE RECHANGE ORIGINALES
IMMER DIE ORIGINAL-ERSATZTEILE VERWENDEN
MAKE USE ONLY OF ORIGINAL SPARE PARTS



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