



Order No.9900.00.37GB01

Operating Instruktion

***Front Tyre Packer***  
***FRP***





## EC Declaration of Conformity

according to Directive 89/392/EEC

We

**RABEWERK GmbH & Co.**

Am Rabewerk, D-49152 Bad Essen

declare under our sole responsibility, that the product

Front Pyre Packer FRP

to which this declaration relates corresponds to the relevant basic safety and health requirements of the Directive 89/392/EEC.


"The Supply of Machinery (Safety) Regulations 1992 as amended" have been respected.

For the relevant implementation of the safety and health requirements mentioned in the Directive, the standard EN 292 has been respected.

Bad Essen,

19.06.96

  
Friedrich Gerdorf,  
Director of design

  
Stefan Reker,  
CE-Officer

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# Operating Instruction

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## FOR FRONT TYRE PACKER

### FRP

#### **Before Use**

Ensure operators have read and are familiar with the instructions contained in this manual, and the tyre packer is not operated by untrained persons.

The tyre packer is an implement mounted in the front 3-point-hydraulic linkage of a tractor and is designed for normal agricultural work. Use the tyre packer only for the purpose for which it was designed and tested and in accordance with the instructions contained in this handbook.

**Caution.** Warranty will be invalid if the machine is improperly used, arbitrary changes are made, the HP. limits are exceeded, or non-genuine parts are fitted.

For damages resulting out of misuse or above mentioned reasons liability cannot be claimed.

Only authorized and skilled Rabe dealer technicians, national distributors or our own factory service engineers are allowed to undertake repairs under warranty.

#### **Safety Precautions**

**Warning.** Ensure that the tyre packer is standing on firm, level ground with the parking stand in lowered position and the work area is clear of bystanders.

#### **Brief description of the front mounted tyre packer**

The RABEWERK tyre packer is designed to be mounted and used in the front 3- point linkage of a tractor.

**Model FRP 140 or 300:** This type can firm the soil by its own weight only. Therefore the tyres are filled with water to increase the overall weight.

But if the tractor front 3-point linkage is suitable to be used double acting the pressure on the soil can be increased by operating the spoolvalve in the 'Lower' direction.

**Model FRP 140D or 300 D:** This type is equipped as standard with an double acting ram and an adjustable pressure valve .

The front 3- point linkage of the tractor is for attachement only and is always kept in the raised position. As required the weight can be in- or decreased by operating the double acting ram on the tyre packer.



Due to the individual axles which are connected by means of steering rods the tyre packer can be steered very easily.

### **Waterfilling**

The overall weight and the press action is considerably increased by filling with water. Take care and consider the total permissible front axle load of the tractor.

The tyres are equipped with valves suitable for water filling.

Use special filling devices which are offered by your agricultural dealer or by the tyre trade.

The water contents should not exceed approx. 75 % of the volume.

The recommended tyre pressure is the same with or without water:

TYRE PRESSURE approx. 1,0 bar

Note. Tyre packers supplied with water are not supplied with ANTI - FREEZE!  
In danger of frost the freezing of the water can be prevented by using suitable ANTI- FREEZE.  
But take care of the instructions of the tyre manufacturer.

**WARNING.** Never use the Tyre Packer with frozen water in the tyres.

### **Preparing for Work**

Consult the tractor manufacturer's manual for instructions on mounting implements and safe working methods.

**Warning.** Never leave the tractor seat or carry out work unless the implement is fully lowered to the ground, the gear shift in neutral, the hand brake applied, the engine stopped and the ignition key removed.

### **Mounting** (Fig. 3 & 4)

The implement is suitable for attachment to tractors with Cat II front 3- point linkage.

**FRP 140 or 300:** The top link should be fitted to the headstock so that, when the Tyre Packer is in work, it slopes downwards from the implement to the tractor and insure that the packer is level to the ground.

**FRP 140 D or 300 D:** The correct height of the cross shaft must be checked first.  
In fully raised position of the front 3- point linkage the cross shaft must be in the same height.  
Re-position the cross shaft bracket (3 Fig. B) or use one of the three hole positions 3 Fig. A).  
In parking position when the Tyre Packer is resting on the stand the implement can be easily picked up because of the forward tilt of the packer (Fig. 4).  
Adjust the top link so that the headstock is in a vertical position.

Connect the hydraulic couplings. In case there are no extra hydraulic connections available for front attachment the two hydraulic hoses (approx. 2 x 3,5 m length also available from the factory) to the rear couplings.

The the link arms of the front linkage should be fixed.

### **Operation** (Fig. 1, 2, 6)

Raise the parking stand and disengage the transport lock (2 Fig. C).  
At the headland the front Tyre Packer must always be lifted.

**FRP 140 or 300:** If the tractor is equipped with single acting controls, keep the spoolvalve in 'Lower/ Float' position. In case of double acting controls the load can be increased as required. But still allow play between coils on spring (1 Fig. D).

**FRP 140 D Or 300 D:** Keep front linkage always in raised position. Load can be in- or decreased by means of the hydraulic ram on Tyre Packer. Lifting out of work is done by operating the ram. Keep the spool valve whilst in work in the NEUTRAL position.

**Pressure valve:** The required load can be pre- selected on valve (6 Fig. E). But steering stability must be preserved. The valve is set by the factory at 40 bar. To adjust the cap (6 Fig. E 1) must be removed. Turning the adjustment screw in, the pressure will increase.

### **Transport position (Fig. 1, 2, 5)**

FRP 140 or 300:	Raise front 3- point linkage
FRP 140 D or 300 D:	By operating hydraulic ram (Fig. 5)

Engage transport lock with pin (Fig. 1 & 2) and do not forget to raise stand.

### **Maintenance**

All hardware must be checked for tightness periodically, particularly during the first hours of operation.

All grease nipples must be greased regularly. The wheel bearings must be lubricated once a year. Remove wheel cap. In case of play the tapered roller bearings can be re-tightened.

Tyre pressure: 1, 0 bar

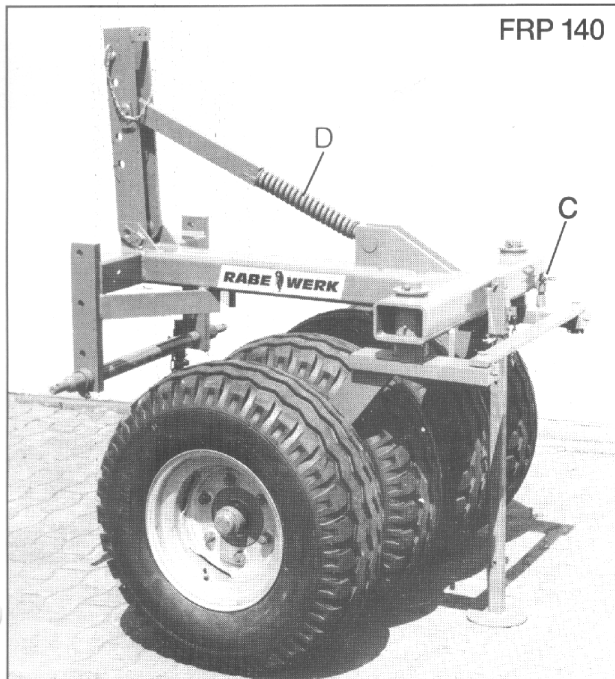


Fig. 1



Fig. 2

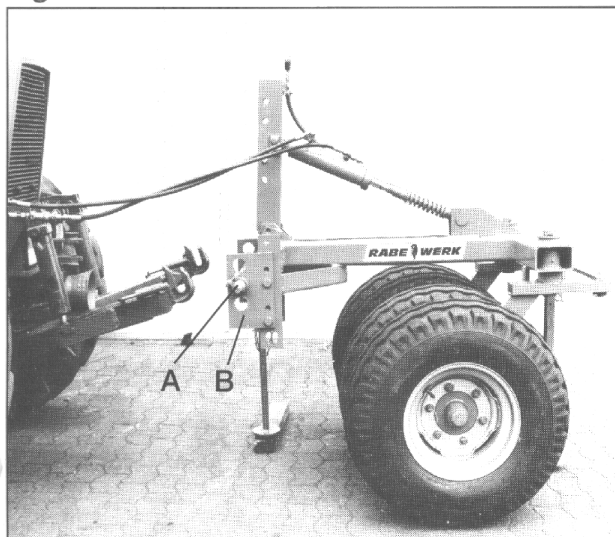


Fig. 3

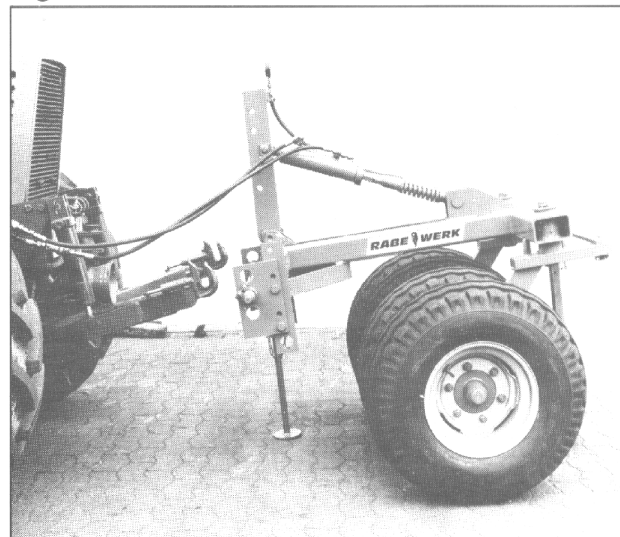


Fig. 4

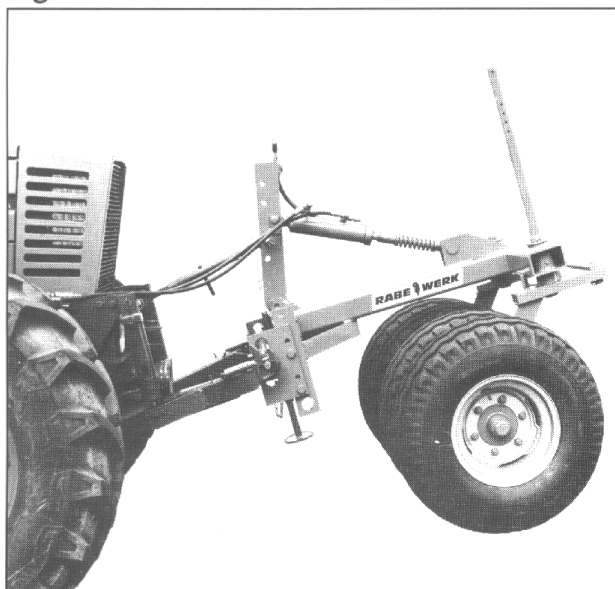


Fig. 5

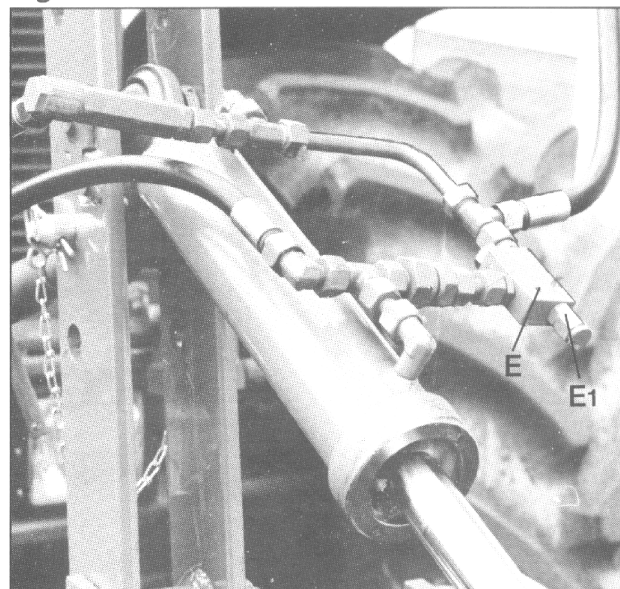


Fig. 6