

Technik-Plus

**TP-Turbo-Jet Super 6
TP0630IN**



OPERATING INSTRUCTION

*Translation
from original*



TECHNIK-PLUS SÄMASCHINEN E.U.

Industrieparkstr. 6-8

A-8480 Mureck

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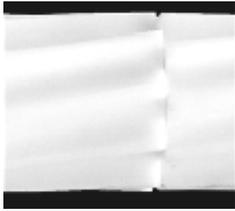
technik-plus@technik-plus.eu

Serial no.: _____

Version 01/11

Mounting the suitable seed roll:

There are different seed rolls. The seed rolls can vary depending on the desired application amount in kg/ha, the driven speed or the working width. (Have a look at the chart below!)

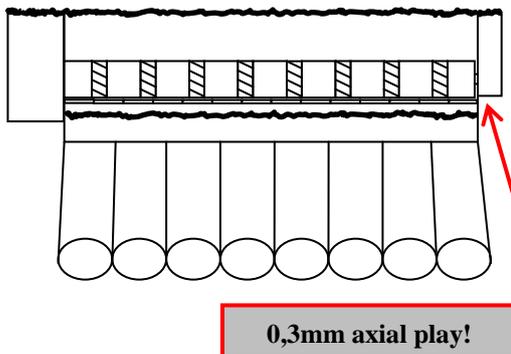
		 Standard seed roll (mustard)		 Grass seed roll (wheat)	
Working width	Km/h	Min. Kg/ha	Max. Kg/ha	Min. Kg/ha	Max. Kg/ha
3m	5	35,00	253,00	35,00	624,00
	10	19,00	126,00	29,00	310,00
	15	12,00	85,00	20,00	208,00
4m	5	20,00	143,00	24,00	469,00
	10	13,00	82,00	20,00	202,00
	15	8,00	42,00	15,00	156,00
6m	5	15,00	126,00	21,00	312,00
	10	9,00	63,00	17,00	155,00
	15	6,00	43,00	13,00	101,00

These are approximate calculated figures and vary due to the different conditions of the seed!

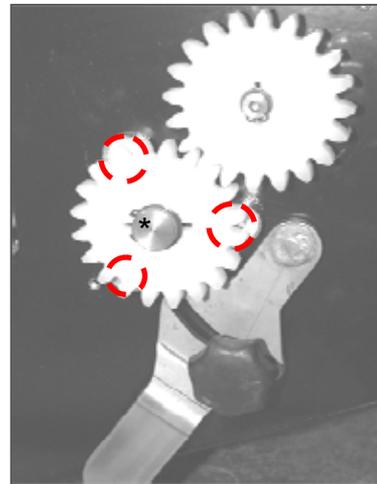
Errors and omissions excepted!

Seed roll change:

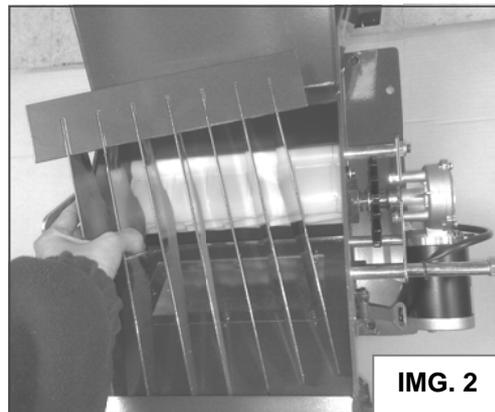
- Disconnect the power supply and put on your personal safety clothes
- Remove the protector for agitator!
- Knock out the roll pin of the seed roll gear and remove the gear wheel! (IMG. 1)
- Remove the bearing bracket.
- Remove the 3 screws (as marked on IMG.1)!
- Open the flaps and put out the lamella (IMG.2)!
- Pull out the seed wheel/metal seed roll from underneath und put in the desired seed wheel/metal seed roll from outside.
- Please note that you have an axial play of 0,3mm, especially when you mount the seed roll for small amounts: (IMG.3)



- Tighten the bearing bracket .
- Put on the gear wheel and knock in the spin ring of seed roll gear.
- Mount the protector for agitator
- Check the screws and the spin ring after a short time!



IMG. 1: Knock out roll pin*!



IMG. 2



IMG. 3

Flaps:



Programming and connection of Profi-Control-unit:

Potentiometer: With this button you can adjust the speed of the seed roll.

You can also change the speed stepless, to get the right output-amount.

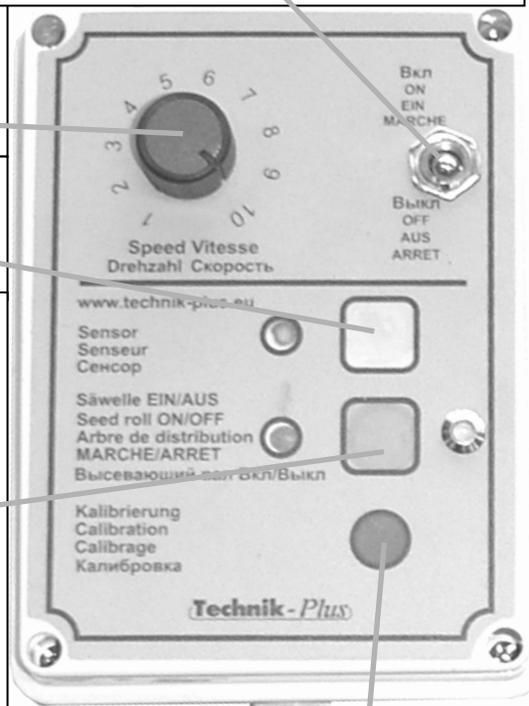
This button activates the ON/OFF-sensor (optional). The LED flashes = sensor is activated!

For turning ON/OFF the seed roll and the fan drive: If you press this button, first the fan drive is turned on and after a few seconds also the seed roll is turned on. For turning off again: Push this button! Now, first the seed roll is turned off and after a few seconds the fan drive is turned off. With this method the plugging of the hoses is avoided.

Left LED flashes = seed roll and fan drive ON.

Right LED flashes = seed roll runs.

Main switch: With this switch the functions of the control unit are released. **FOR WORKING ON THE MACHINE, PLEASE DISCONNECT BATTERY CABLE!!!**



Calibration:

This button only turns the seed roll ON/OFF. Only to use with calibration! Not to use in regular working operations, because the hoses can be plugged!

The control unit shall be fitted in the cab. Velcro fastening must be used for fixing it and it must be stuck on a smooth surface. The console can also be bolted to a place. The cable must be connected direct to the battery. This is important for a good and stable electrical supply. Use a 15A-fuse on the plus pole.

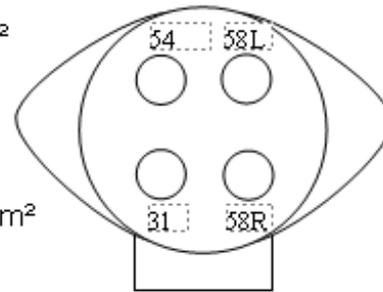
At the model with 2 x double fan blower a provided socket is to mount on the tractor. Please connect it as follows.

no. 54 minus
no. 58 L plus use cross section 4 mm²

On Plus – use fuse 30A.

no. 31 minus
no. 58 R plus use cross section 2,5 mm²

On Plus – use fuse 15A

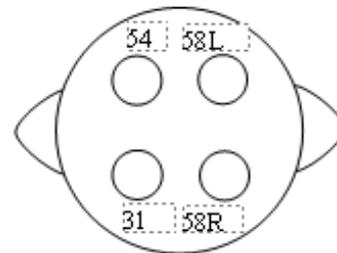


Connections have to be clean!
(NO PROTRUDING WIRES!!!!) !

If wires are project to other poles, this can result in damages on the electroic system. The planting attachment is often exposed under difficult conditions. (dust formation)

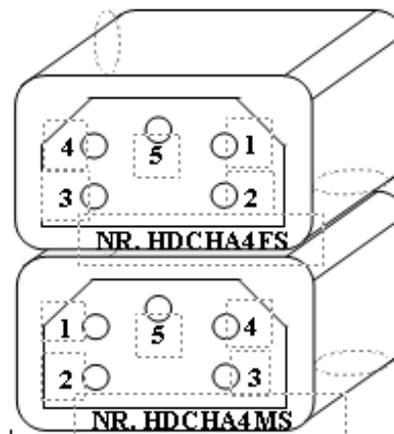
Connection to a battery (plug):

no. 54: blue cable (- from relay)
 no. 58L: brown cable (+ from relay)
 no. 31: cable no. 1 (- from control unit)
 no. 58R: cable no. 2 (+ from control unit)



Socket and plug (Connection seeder - control unit)

Nr. 1: - sensor signal
 Nr. 2: + motor seed roll
 Nr. 3: - motor seed roll
 Nr. 4: + fan
 Nr. 5: - fan



The seed output can be adjusted with the rpm on the seed shaft motor (10-70U/min). The higher the rpm is, the bigger the output amount is. The speed can be adjusted with the poty on the control unit. 1 is the lowest speed 10 the highest.

We offer for different operations special seed rolls. For seeding grassed respectively voluminous seed or big output amount we advise to mount

the delivered grass seed roll. For mustard, oilradish, clover, Phacelia you can use the standard seed shaft and for small seed we have a special seed shaft with different breadth 5mm, 10mm or 15mm (optional). It is necessary to make a calibration to get the right adjustment.

Calibration of machine:

Before starting to work, it is most important to calibrate the machine. Notice all details for future and all driven speed for the setting. Switch OFF the Fan on calibrate switch (no control light). Open the bottom cover by the two latches. Let the cover hang down and put a box underneath (weigh before and notice). Fill some seeds into the hopper and close plastic cover. Now you can put main switch to spread. Collect the seed for one minute and take precise weight. Adjust the flap under seed shaft by the side lever. Small seed upwards, large seeds a little downwards (Beans, oat, ...). Now calculate the amount with following formula:

$$\frac{\text{Working width} \times \text{Speed} \times \text{Output amount/Ha}}{600}$$

z.B.:

$$\frac{6\text{m} \times 7\text{km/H} \times 20\text{kg/ha}}{600} = 1,4 \text{ kg/min}$$

= output-amount in

$6 \times 7 = 4,2 \text{ ha/h} \times 20 \text{ kg/ha} = 84 \text{ kg output amount/h} : 60 \text{ min} = 1,4 \text{ kg seed to be collected in the box underneath.}$

Example: You know the spreading width, the driven speed and the required seed quantity. As per above sample the figures can be changed and correct setting is achieved. When machine is calibrated make sure, that engine motor speed is the same as work condition. The plastic cover has to be always closed. When calibration is finished close bottom latch and secure with pins. Put switch fan to ON, that blower is working and control light is ON and about 10sec. later turn on the seed shaft motor. Check after short time, if the distribution of seed you think is correct and seed quantity is good. Now work on a smaller area and than compare with the seed used. Check again the hand nut on the flap to be tight. When you stop seeding at end of the field only stop seed supply (blower remains working) at end of work stop seed shafts and after 20-30 sec. switch off blower (to clean plastic hoses).

Spreading depends particularly on different factors:

Running of seed in the hopper, vibration during working, electr. supply.
Use is following seeding table only approximate value and cannot take as exact adjusting.

ATTENTION:

To get an optimised spreader breadth mix bad running seed with better running seed. Or use seed mixtures which are more efficient for harvest and soil.

Working on the field :

Before you begin to work:

Please take the effort to calibrate the machine how described. Make notes of all the details for future.

Notice the driven speed for the positioning if you work with Profi-control unit. When start working, make sure that the correct speed is driven.

After the calibration drive a short way and – **STOP**

CONTROL ...

- ... that seed or granule is distributed even.
- ... that seed quantity seems to be correct.
- ... that the required quantity has left the hopper.

REPEAT ...

- ... the above checks in certain intervals until you are sure the job is correct .

PLEASE ...



... clean the machine every day after finishing work. The bottom of the machine must be cleaned by a brush (not hands). Wear your personal safety clothes (gloves, ...). Don't spray wash with water !

ATTENTION ...



The seed shaft can catch fingers, hair and loose clothes. The motor has so much power, that it cannot be stopped. (only switched OFF).

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Before you begin to work:

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NOTE ...

In the process of operation the fan wheel should always run. Switch only the seed roll motor on or off! Otherwise the hoses can be blocked .



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Firmenbuch: FN 328568 p

EG-KONFORMITÄTSERKLÄRUNG

im Sinne der EG-Richtlinie Maschinen 2006/42/EG, Anhang II A

Hiermit erklären wir, daß die Bauart von

TP0630IN

in der gelieferten Ausführung folgenden einschlägigen Bestimmungen entspricht:
2006/42/EG

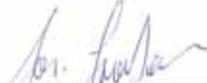
Angewendete harmonisierte Normen, insbesondere:

Angewendete nationale technische Spezifikationen, insbesondere:

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Mureck 19.01.2010
Ort und Datum der Ausstellung


Unterschrift (Firmenchef Josef Großbauer)