



# PRECISION 3-POINT CULTIVATOR

EXPERT IN SOIL PREPARATION

**TGA250 – TGA430 SERIES**

[www.treffler.net](http://www.treffler.net)



# THE NEW TGA-SERIES

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QUALITY IS NEVER AN ACCIDENT.  
IT IS ALWAYS THE RESULT OF INTELLIGENT EFFORT.

JOHN RUSKIN (1819 - 1900)

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# The new 3 1/2-beam TGA series has been specifically designed for shallow soil preparation (from cutting depth of 2 cm)



The machine is designed around our patented cultivating tines that are the key feature of our TG series. Made from carefully chosen components, the machine prevents soil compaction and there is no risk that heavy soaked soil

clumps are brought to the surface. As the tines overlap by 8 cm, the machine is the perfect tool to plough under grass clover or other grass cover crops.

The roots of grass clover, lucerne and other grass covers as well as of dock leaves and other weeds are cut by the TGA machine just below the surface, preventing second growth. The cultivator is the ideal machine to work fields with high and bulky harvest residue such as rain-flattened cereal crops and forage maize stubble. Second runs can be performed without any problems.



**1** Intelligent tine arrangement allows for symmetrical tine loading. 1 tine is located in the lower linkage triangle (patent pending), so that 2 suspended support wheels can run inside the working width of the cultivator.

**2** The recently patented sprung jump beam packer roller prevents blockage.



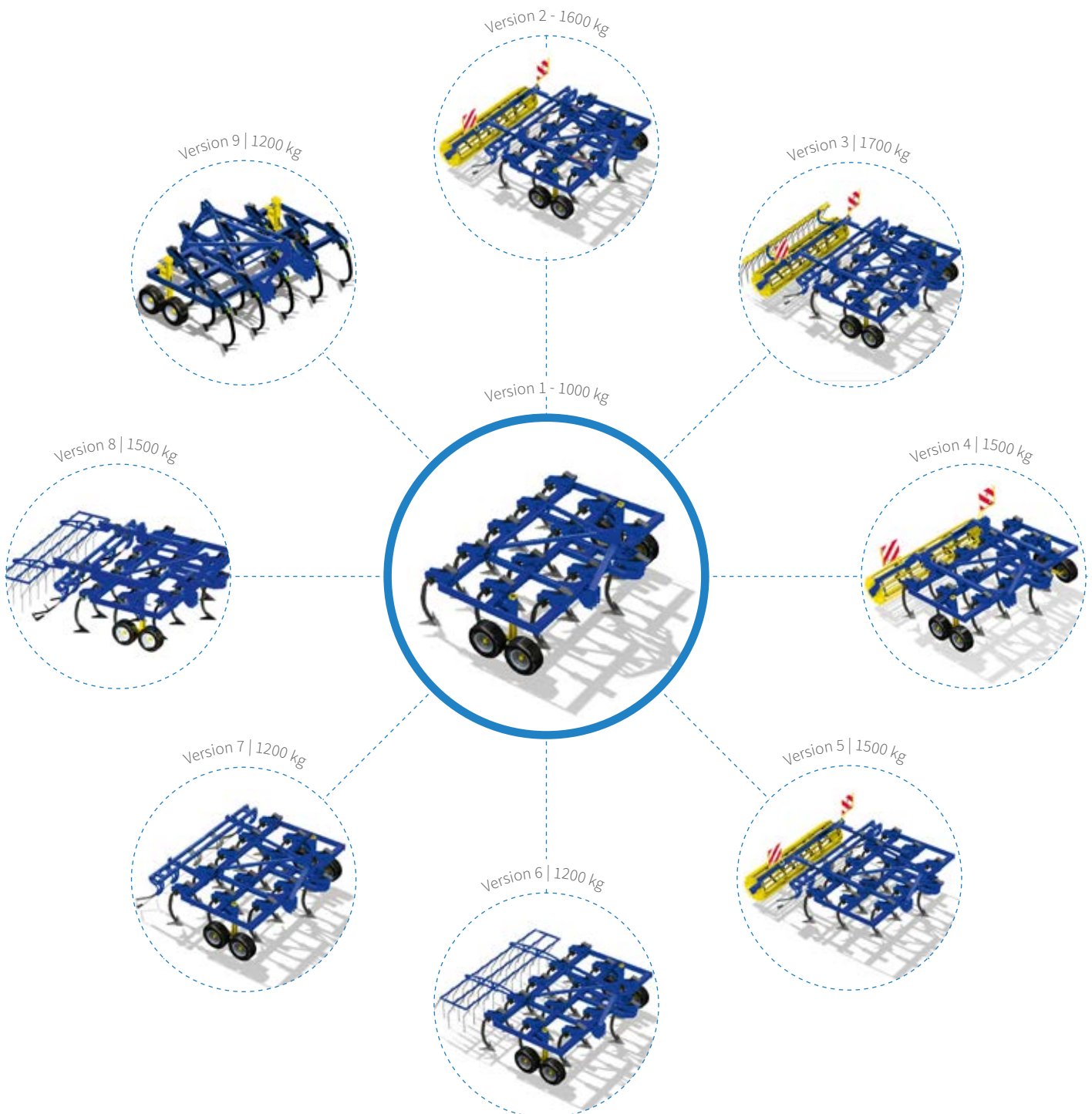


## Technical data of TGA-300 V1

(BASIC MACHINE WITHOUT ADD-ON TOOLS):

- Rugged 100 x 100 mm square tube frame
- 3 1/2 beam machine; creates perfect symmetry and prevents diversion
- 13 spring-loaded tines attached with leaf springs
- Designed for pull operation, tines made in Hardox steel
- Overload protection by means of shear bolts
- Row spacing 22 cm
- Duck foot tines 30 cm wide, overlap 8 cm
- Drill tines (optional) 45 mm wide
- Working depth of duck foot tine 2 cm – approx. 12 cm
- Working depth of drill tine up to approx. 20 cm
- Beam distance 70 cm
- Ground clearance 70 cm
- 2 tandem support wheels 195/55R10C, with spindle mechanism and stainless steel depth scale for height adjustment.
- Weight approx. 1000 kg

Available in various versions that can be quickly adapted to different tasks, the machines of the TGA series can be used from spring to autumn, even under extreme conditions.



# Options for various machine configurations



Sprung levellers made in Hardox steel, with height adjustment. Extending edge leveller (available with optional hydraulic extending mechanism).



Patented sprung jump beam packer roller  $\varnothing$  600 mm, with sprung crossbars made in Hardox steel. Self-cleaning by means of diagonally positioned square tubes. When the Hardox bars touch the ground, they are pushed into the soil. As they move on, they disperse the compacted material.



2-row rear weeder, tine spacing 10 cm. Row spacing 12 cm. No diversion of tines to the side.



3-row rear weeder, tine spacing 10 cm. Row spacing 30 cm. No diversion of tines to the side.



Suspended support wheels mounted inside working width. 195/55 R10C tyres, with spindle mechanism and stainless steel depth scale for height adjustment.

# Sowing equipment for TGA series

Treffler cover crop seed drill; seed distribution through spreader plate mounted at the rear. Mechanical or hydraulic blower drive. The doser in the dispenser is driven by a tail wheel (available with optional electronic GPS control or signal port at tractor). The doser can also be driven with an

electric motor and is equipped with a sowing monitor. Thanks to the cultivator's precision depth control, the seeds can also be placed directly into the soil by means of cultivator tines sowing pipes. Ladder with platform and handrail for safe access to the seed tank.

Available as rear/front attachment in combination with sowing system.



# Technical data

Type	Working width	Sections	Tines	Hydr. folding mechanism	Transport width	Weight (approx.)	Required traction force (approx.)	Tandem support wheels
TGA 250	2.50 m	1 x 2.50 m	11	no	1.70 m	900 kg	59 kW / 80 HP	2
TGA 300	3.00 m	1 x 3.00 m	13	no	3.00 m	1000 kg	75 kW / 100 HP	2
TGA 430	4.30 m	1 x 0.65 m / 1 x 3.00 m / 1 x 0.65 m	19	yes	3.00 m	1900 kg	88 kW / 120 HP	2

## OPTIONAL EQUIPMENT:

### HYDRAULIC STONE PROTECTION SYSTEM

The triggering force can be adjusted to suit the soil conditions.

In working position



Released



### ORIGINAL TREFFLER DUCK FOOT TINES IN CARBIDE STEEL

Advantages at a glance:

- Service life prolonged by factor 7-10
- Thanks to the clearance angle, carbide duck foot remains sharp
- Soil compaction is reduced



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