

TERRA SPIKE® GXi

The principle of "time is money" applies now more than ever to professional turf maintenance. Whether it's golf courses or sports grounds you're maintaining, the amount of time you have at your disposal is becoming increasingly limited while the players are placing ever more exacting demands on the quality of the turf. Regular deep spiking and deep aeration are important prerequisites for a healthy growth of roots. After decompacting the ground, the roots can penetrate deeper into the soil and thus make better use of water and nutrients. This improves water flow and the air budget of the soil, eliminates thatching and enhances the shear strength of the grass.

However, despite all the technical innovations in the past, this type of maintenance work has always been a time-consuming task. Wiedenmann revolutionizes turf maintenance and set new standards in speed, productivity and quality of work. Save up to 60 % of the time you previously spent on maintenance.

However, your well-being is just as important to us as your productivity. That's why we have fitted two unique damping systems, VibraStop and PowerPack, into the TERRA SPIKE® GXi so you finish your work quickly and with a minimum of stress for you and your tractor.

The drive concept TwinDrive can be configured for various transmission ratios. Simply match the crankshaft speed to the power output of your tractor.

Don't waste valuable time setting the working depth or the loosening angle. You can make these adjustments quickly and without tools using the exclusive QuickSet System. The wide tine entry angle adjustment range of 90° to 65° allows loosening intensity to be adjusted optimally to the soil conditions and the degree of compaction of the soil. With the exclusive QuickFit System, tricky and time-consuming tine replacement is now a thing of the past.

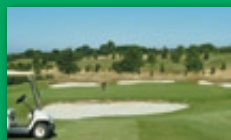
The TERRA SPIKE® GXi is very low maintenance with only 4 greasing points. The high productivity of the TERRA SPIKE® GXi will have you impressed. Loosen and aerate your turf at an unprecedented working depth and speed.



*Innovations you
can count upon!*

TERRA SPIKE® GXi

Applications: golf greens, tees and sand based playing surfaces with working depths of up to 250 mm.



1 Productivity

The less time is required for necessary deep loosening and aeration, the longer the turf can be used for sporting activities. The TERRA SPIKE® GXi is designed for high working speeds and excellent quality of work.

Your players will thank you.

2 VibraStop

The exclusive VibraStop protects the driver from exposure to vibrations and minimizes the transmission of impacts and vibrations to the tractor and tooling. The result is unrivalled running smoothness. VibraStop fully meets EU Directive 78/764/EEC regarding whole-body vibration by significantly reducing the vibration exposure of the operator.

3 PowerPack

The exclusive PowerPack also absorbs impacts and vibrations whilst protecting the driver effectively from exposure to vibrations. The tractor and the machine are also protected reliably from damaging peak stresses. The combination of PowerPack and VibraStop makes the TERRA SPIKE® GXi quick, effective and productive.

4 TwinDrive

The exclusive TwinDrive transmits force symmetrically from both sides into the robust continuous crankshaft. If damaging peak stresses occur during operation, e.g. when the tines strike a stone, they are absorbed by the special ribbed vee belts on either side. The fully encapsulated drive is dust and dirt proof.

5 QuickSet

QuickSet allows you to adjust the TERRA SPIKE® GXi quickly, correctly and toollessly with three cranks. One crank for working depth adjustment and two cranks for heaving angle adjustment. Quickly and easily. Working depth and heaving angle are indicated clearly on large scales.

6 QuickFit

The tine adaptors for the 20 mm solid spoons and 25 mm hollow spoons are conical to ensure the tines lock securely into place. Tines can be mounted and removed effortlessly with the integrated QuickFit tine mounting and extraction system. Easy and quick tine replacement mean higher productivity.

7 ATC Control

The unique Advanced Tine Control (ATC) system ensures a precision plunge action. A constant hole spacing is maintained and the quality of work meets the highest standards even at high working speeds. To keep it that way, all moving parts of the ATC system are mounted on the front of the TERRA SPIKE® GXi, safely outside the working range of the tines.

8 Crankshaft

The robust, computer optimised crankshaft runs in large maintenance-free ball bearings. You will be surprised by how smoothly the TERRA SPIKE® GXi runs.

9 Tine holders

The highly robust tine holders with large-sized ball bearings are designed to withstand heavy-duty use. The ball bearings and tine holders are resistant to impact, dirt and sand and ensure reliable operation at all times.

10 Turf retainer

The optional turf retainer prevents damage to shallow rooted turfs. The turf retainer is designed to match the tine spacings, regardless of whether you fit 2 or 4 tines per tine holder.

11 Special

For heavy duty conditions of use, the weight of the GXi can be increased by adding an optional ballast weight of approx. 50 kg.

The optional rear roller of the GXi consists of three components and is mounted in a floating suspension which allows the roller to follow the ground contours precisely.

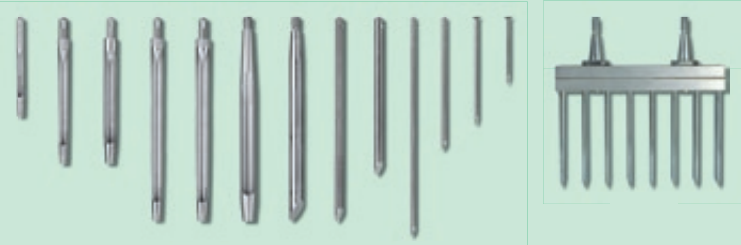
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TERRA SPIKE® GXi – productivity example (m² per h), square hole spacings:

Crankshaft speed 485 RPM (at 540 RPM)	Working width 140 cm	
Hole spacing in mm:	55	110
Travel speed in km/h:	1,6	3,2
Area coverage m ² /h:	2240	4500

Choose from a complete range of tines. Increase the number of holes per meter and enhance maintenance intensity with our optional "Nailboard".



SPECIFICATIONS

TERRA SPIKE GXi

Working width in cm:	140
Weight in kg (approx.):	590
Maximum working depth in mm:	250
Dimensions L / W / H in cm (approx.):	115 / 185 / 135
Three-point hitch:	Kat. I
Crankshaft speed at 540 RPM:	385 / 485
Max. perm. tractor power output in kW / HP:	37 / 50
Minimum required lifting capacity in kg:	800
Solid spoon diameter in mm:	5, 8, 12, 20
Hollow spoon diameter in mm:	12, 16, 20, 25
Max. tine length in mm:	250
Multi-tine holder for solid spoons:	5 mm
Rear roller:	Optional
Turf retainer:	Optional
Swath board:	Optional
Ballast weight:	Optional

Descriptions and illustrations are not binding. The right is reserved to make alterations to design and construction.

Swath board (Optional)

When using hollow spoons you can place the cores in the swath in a single operation with the optional swath board. This makes subsequent collection of the cores much easier. The swath board is very robust and easy to attach.



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