

From the inventors of professional turf maintenance.

As a manufacturer of professional specialised machines, our entire passion is applied to turf. No matter whether on the golf course, in large sport stadiums around the world, or in the municipalities – the care of professionally employed lawns and turf are especially close to our heart. We have made this passion our profession, and thanks to our experience and know-how, we have also expanded to artificial turf maintenance and dirt and snow removal.

Our high-quality accessory equipment for compact tractors and municipal equipment carriers deliver complete solutions for turf regeneration as well as the collection or removal of grass and leaves. Highly-specific mowing machines, turf sweepers, sweepers for snow and dirt, snow raker blades and winter service spreading machines round off the product range and convince our customers by their efficiency and practicability. No matter what the season, no matter what the purpose – as professionals, we know what professionals need.



TERRA SPIKE® SL

For deep aeration and removal of compactions up to 21 cm depth

- For use on golf greens, tees, and sandy sports fields
- Large area coverage with simultaneously impressive work quality
- Minimal maintenance effort

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We love turf. www.wiedenmann.com

The lightweight among the TERRA SPIKEs

With the TERRA SPIKE® SL, Wiedenmann has developed a machine which satisfies customer demands for low weight, high working depth and speed, at low drive and lifting power. Due to its low weight of less than 500 kg, operation with tractors in the 25 HP class is possible without any problems.

Time is money – this guiding principle applies today more than ever in professional turf maintenance. No matter whether you maintain sports fields or golf courses, the time for maintenance is continuously getting scarcer while the players' expectations on the quality of the turf are increasing at the same time. Regular deep spiking and deep aeration are one of the most important prerequisites for healthy root growth.

When compactions are broken open, the grass roots can penetrate deeper into the ground and make better use of water and nutrients. The water flow and air balance are improved, thatch is removed and the shear strength is increased. However in the past, despite all technical innovations, this maintenance work was always very time-consuming. Wiedenmann has revolutionised turf maintenance and sets new standards with respect to speed, productivity and labour quality. You can save up to 60 % of your previous time for performing these maintenance measures. Just as important for us as productivity is your health. We have, therefore, fitted the inimitable damping

system VibraStop into the TERRA SPIKE® SL so that the work is not only carried out rapidly, but also free of stress for you and your tractor.

The TwinDrive drive concept can be furnished with various transmission ratios, so that the crankshaft speed can be optimally adapted to the performance of the available tractor. Do not waste your valuable time on the correct setting of the working depth or the loosening angle. With the exclusive QuickSet system, you can perform these settings without tools in just a few manual operations. The central adjustment of the loosening angle allows you to set the optimal adaptation of the loosening intensity to the respective ground conditions and degree of compaction. With the exclusive QuickChange system, arduous and time-consuming tine replacements are a chore of the past.

The TERRA SPIKE® SL is extremely service-friendly. The machine does no longer have any metallic return springs, and the number of lubricating points has been reduced to a minimum. The high productivity of the TERRA SPIKE® SL will also convince you.

Benefits:



Simple tine replacement

The TERRA SPIKE® SL is equipped with exchangeable tine holders. The tine heads can be rapidly exchanged with only one screw. The machine is serially equipped with tine heads for tines with 12 mm intake. Tine heads for upwards ejecting coring tines and a nailboard with 5 mm tines are available as an option.



Good accessibility

for cleaning work due to the wide hood opening angle.



Adjustment of the crankshaft speed

The exclusive TwinDrive symmetrically introduces the power from two sides into the robust, continuous crankshaft. If harmful load peaks occur while working, e.g. if the tine strikes a stone, the impact is absorbed by the special v-ribbed belt on either side. The encapsulated drive is securely protected from dust and dirt.



Protection against damage

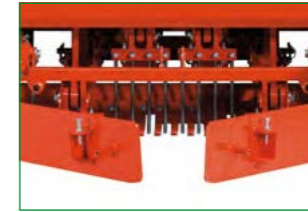
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Optional Equipment:



Tine programme

The TERRA SPIKE® SL can be equipped with solid tines from 8 – 16 mm diameter, as well as with coring tines from 10 – 20 mm diameter. All these tines fit into the standard tine heads. Alternatively, Wiedenmann offers tine heads for upwards ejecting coring tines with 10 and 13 mm diameter and a Nail board up to 24 (5 mm) tines.



Swathboard

When using coring tines on the TERRA SPIKE® SL, the cores can automatically be aligned in the swath by means of the optional swathboard. This considerably facilitates the subsequent take-up of the cores.

Mode of operation:



QuickSet

The working depth is rapidly and correctly adjusted with a crank, without tools. The loosening angle is centrally adjustable with the supplied tool. The working depth and the loosening angle are easily readable on a large scale.



Turf retainer

The optional turf retainer prevents damage to turf that is poorly rooted. The turf retainer has been designed to match tine Spacing.



Crankshaft

The stable, computer-optimised crankshaft is supported in large maintenance-free ball bearings. The smooth running of the TERRA SPIKE® SL will also surprise you. The gear box has been moved forward in order to optimise the position of the centre of gravity.

TECHNICAL DATA

Working width in cm:	140	Weight with rear roller in kg approx.:	470
Maximum working depth in cm:	21	Dimensions L/W/H in mm approx.:	98/177/112
QuickSet/QuickChange/VibraStop/TwinDrive	Series	Maximum permissible PTO output in kW/HP:	26 kW / 35 PS
Minimum lifting capacity of the tractor in kg:	625	Solid tines diameter in mm:	8, 10, 12, 16
Coring tines diameter in mm:	10, 12, 16, 20	Rear roller	Series
Swathboard	optional	Turf retainer	optional
Exchangeable tine heads for upwards ejecting coring tines			optional
Nail board for 5 mm solid tines			optional
Max. area coverage for crankshaft speed 280 RPM		Hole spacing from 55 mm at a speed of 0.9 km/h	1.250 m ² /h
Max. area coverage for crankshaft speed 360 RPM		Hole spacing of 55 mm at a speed of 1.2 km/h	1.660 m ² /h
Max. area coverage for crankshaft speed 485 RPM		1 Hole spacing of 55 mm at a speed of 1.6 km/h	2.200 m ² /h

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