



TERRA SPIKE® SL

Deep Tine Aerator

To remove compaction on sand-based golf greens, tees, and athletic fields

TERRA SPIKE® SL

The lightest of the Terra Spikes

With the TERRA SPIKE® SL, Wiedenmann has developed a machine that fulfills customer demands for a machine that is lightweight with deep working depth while maintaining high productivity. Due to its weight of less than 1050 pounds, operating with tractors in the 25HP class is possible.

Time is money – this guiding principle applies today more than ever in professional turf maintenance. Whether you maintain athletic fields or golf courses, the time available for maintenance is continually decreasing while players' expectations are increasing. Regular deep tine aerifying is one of the most important ways to maintain healthy root growth.

When compaction is broken, roots can penetrate deeper into the ground and make better use of water and nutrients. Water flow and air balance are improved, thatch is removed, and the shear strength of the root zone increases. Wiedenmann has revolutionized turf maintenance and set new standards with respect to speed, productivity, and labor quality. In addition, the TERRA SPIKE® SL utilizes VibraStop, which reduces stress on your tractor and your body.

The TwinDrive drive concept can be equipped with various transmission ratios so that the crankshaft speed can be optimally adapted to the performance of the available tractor.

With the exclusive QuickSet system, you can easily change the settings of the working depth or the heave angle with just a few manual operations.

The central adjustment of the heave 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 has no metallic return springs and the number of lubricating points has been reduced to a minimum.

The high productivity of the TERRA SPIKE® SL and hole quality perfection will convince you that this is the ideal machine for aerating your greens, tees, and finer surfaces.



Windrow

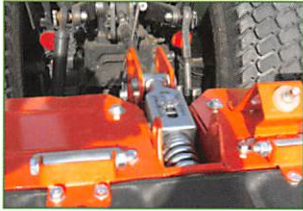
When using coring tines on the TERRA SPIKE® SL, the cores can automatically be aligned by using the optional windrow. This helps facilitates the subsequent removal of the cores.

Tine Program

The TERRA SPIKE® SL can be equipped with solid tines from $\frac{3}{16}$ " to $\frac{5}{8}$ " in diameter, as well as with coring tines from $\frac{1}{4}$ " – $\frac{3}{4}$ " in diameter. These tines fit into the standard tine heads with $\frac{1}{2}$ " (12 mm) shanks. Wiedenmann also offers tine heads for top-ejecting coring tines with $\frac{1}{2}$ " and $\frac{5}{8}$ " diameter.



The advantages



VibraStop

The exclusive VibraStop system protects the driver and the tractor from vibrations and helps protect the linkage when hitting an object, such as a rock. VibraStop meets all requirements of the EU Directive 78/764/EEC with respect to whole body vibrations. Vibrations that affect the operator are significantly reduced by the VibraStop system.



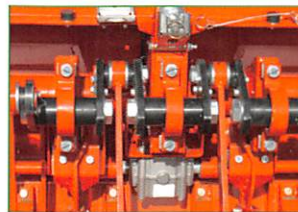
QuickChange

The TERRA SPIKE® SL is equipped with exchangeable tine holders. The tine heads can be rapidly exchanged with only one screw. Standard equipment for the machine includes tine heads for tines with 1/2" (12 mm) shanks. Tine heads for top-ejecting coring tines are available as an option.



TwinDrive

The exclusive TwinDrive symmetrically drives the power from both sides of the continuous crankshaft, thus eliminating any timing issues. If harmful load peaks occur while working, such as when a tine strikes a stone, the special v-ribbed belt on either side absorbs the impact. The encapsulated drive is securely protected from dust and dirt.



Crankshaft

The stable, computer optimized crankshaft is supported by large maintenance free sealed bearings. The gearbox has been moved forward in order to optimize the position of the center of gravity.



QuickSet

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



Turf retainer

The optional turf retainer prevents damage to turf with poor roots. The turf retainer has been designed to match tine spacing.

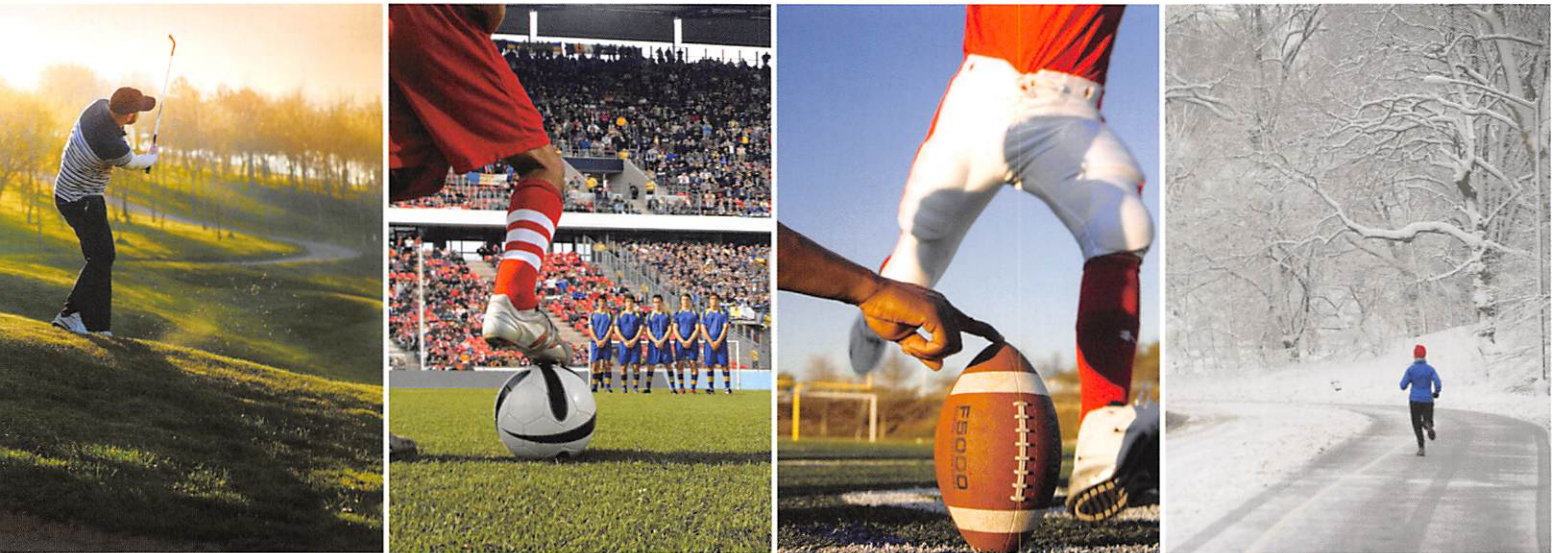
TECHNICAL DATA		TECHNICAL DATA	
Working width in inches:	55"	Weight with rear roller in approximate pounds:	1,050 lbs.
Maximum working depth in inches:	8"	Dimensions L/W/H in approximate inches:	39"/ 70"/ 45"
QuickSet/QuickChange/VibraStop/Twin Drive	Series	Solid tine diameters in inches:	3/16", 1/4", 5/16", 1/2", 5/8"
Minimum lifting capacity of tractor in pounds:	1,375 lbs.	Rear roller:	Series
Coring tine diameters in inches:	1/4", 5/16", 1/2", 3/4"	Turf retainer:	Optional
Windrow:	Optional		
Exchangeable tine heads for upwards ejecting coring tines:			Optional
Area coverage in continuous operation in square feet per hour at a crankshaft speed:		360 rpm – at 0.8 mph square hole spacing 2"	approx. 17,868 sq.ft./hr.
Area coverage in continuous operation in square feet per hour at a crankshaft speed:		485 rpm - at 1.0 mph square hole spacing 2"	approx. 23,680 sq.ft./hr.

Descriptions and illustrations are not binding. Changes in design and execution reserved.

From the inventors of professional turf maintenance equipment.

As manufacturers of professional machines, we are devoted to turf. No matter if it's on the golf course, in the large sports arenas of the world, or in local municipalities, the care of professional turf is something we hold very dear. We have made this passion our profession, and thanks to our experience and know-how, we have been able to expand our expertise to include artificial turf maintenance.

Our high quality equipment for compact tractors provides a complete solution for turf regeneration and the collection or removal of grass and leaves.



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