Small Screw Spiker

Key Features

The Small Screw Spiker includes the following key features:

- Dual-operator cab with canopy roof; curtains to protect operators from weather conditions available
- Two lag screw workheads, with guide roller and magazine feed
- Four hydraulic-driven, high-impact spiking hammers
- Tie nipper assemblies
- Manual pattern adjustment turnbuckle
- Removable turntable
- John Deere Tier III diesel engine
- 24 VDC, circuit breaker-protected, electrical system
- Four-wheel, dual-axle, chain-driven propulsion system
- Cab-controlled workhead power lock-ups
- Single, pressure-compensated, hydraulic pump
- Joystick controls

Control your spike feed with manual or auto-load options.

Small Screw Spiker

Small footprint lowers transportation costs

The Small Screw Spiker is ideal for contractors and short-line railroads who need to quickly move equipment to different locations. The compact size and low weight reduce transportation costs and make it easier to load and unload as well.

High production levels

Use the dual-workhead mode to efficiently operate both the inside and outside workheads simultaneously. In addition, four workheads allow you to rapidly screw in all four lag screws at the same time.

Control spike feed manually or automatically

Operators control how spikes feed into the driving guns - selecting between manual load or auto-load options. In addition, the hydraulic-driven high-impact hammers provide fast, yet extremely effective, spike-driving action.

Quickly adjust to different working conditions

Make a simple turnbuckle adjustment to adapt the gun spacing for different hole patterns. Or quickly add or remove clips to set the workhead to handle different rail heights. A manual override option increases the spike driving time to handle extremely hard ties.

Secure tie plates during spiking

The tie nipper assembly grasps and pulls the ties up and closer to the rail during the spiking process, allowing the tie plate to be as firmly attached to the tie as possible.

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Optional Equipment

Category	Option Type	Description
Cab	Cab accessories	Cab curtains
Spike Control	Spike accessories	Screw spike feed warm-up kit, spike keg loading area curtain, steps and grab irons for bulkloading maintenance access
Repair & Maintenance	Corner-mounted jackstands	Holds the unit above the track to allow under-machine repairs
	Electric hydraulic tank fill system	Allows quick filling of hydraulic tank
	Spare hose tree	Stores extra hoses on the machine
	Electric emergency pump	Allows workhead to be moved if engine fails
Other Accessories	Gauges and alarms	Fuel level site gauge, speedometer, hydraulic reservoir temperature gauge, low hydraulic oil/high hydraulic oil temperature alarm
	Lighting and mirrors	Night lighting package
	Storage	Track tool box
	Miscellaneous	"Danger Live Track" retractable belt, DOT reflective tape, extra parts/operations/maintenance manuals, tow bar with D-handle hitch pins

Product Specifications

Category	Specification	Value
General	Weight	14,200 lbs
	Length	170 inches
	Width	80.5 inches
	Height	98 inches
	Wheel base	84"
	Travel speed	25 mph (maximum)
Capacities	Fuel tank	31 gallons
	Hydraulic tank	100 gallons
Engine	Make/Model	John Deere 4045T, Tier III
	Type	Turbocharged, inline four-cylinder
Hydraulic System	Make/Model	Vickers PVM098
	Control valves	Pressure-compensated, variable-displacement piston pump
Electrical System	Battery	24 Vdc (dual 12V DC batteries), 1150 cold-cranking amps
Axle Drive System	Drive type	Dual-axle chain drive
	Motor type	Hydraulic