CX Hammer - Production Spike Driver

Key Features

The CX Hammer - Production Spike Driver includes the following:

- Dual-operator, enclosed climate-controlled cab; seating for:
  - Two spike gun operators and one feed tray operator (without auto spike feeder option)
  - Two spike gun operators (with auto spike feeder option)
- Hydraulic-driven, high-impact spiking hammers with reciprocating driving action
- Remote electric spike pattern adjustment
- Tie nippers with BTI hooks
- Digital variable roller gager
- John Deere Tier III diesel engine
- Positive-locking turntable, with steel base
- Four-wheel, dual-axle, chain-driven propulsion system
- Spring-applied, hydraulic-released brakes; Cobra brake shoes
- 24 VDC (dual 12 VDC), circuit-breaker-protected, electrical system
- Single, pressure-compensated, hydraulic pump
- Cold weather options available, including engine heater
- Spike storage options:
  - Boom and winch for loading spike kegs on rear deck
  - Bulk bin, either with or without Cluster Buster option (bulk bin and Cluster Buster required with auto spike feeder option)

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High-impact spiking hammers

The CX Hammer- Production Spike Driver uses a hammer-style reciprocating driving action that:

- Drives spikes in with 2,200 lbs of spiking down force, ensuring strong and stable connections
- Bends less spikes, requiring fewer manual pulls and re-drives while reducing spike waste

Fast and powerful

The CX Hammer can simultaneously drive up to two spikes per rail, for a total of four per tie, while the hydraulically operated spotting system allows fast alignment of the guns with the tie plate holes. The large capacity spike trays hold up to 50 spikes each, allowing continuous spiking operations.

An auto spike feeder option provides continuous spike feeding action from the bulk bin directly to the driving guns, eliminating the need for a feed tray operator.

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.

Adjust to different gaging conditions

The optional gaging attachment allows the operators to easily push rail into the correct position to set the track gauge, adjust for different rail heights, set the speed of the gaging process, and control the gager settings to correctly calculate for new or worn rail.

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Optional Equipment

Category	Option Type	Description
Cabin	Cabin accessories	Cab-controlled power locks (gager, nipper, workheads), air conditioning, cab pressurizer, cab window shades, engine-driven air conditioner, spike feeder swivel seat pedestal, vandal guards for windows, windshield washer fluid tank and nozzles
Spike Control	Spike-related accessories	Push-style bulk loader, cluster buster /spring-mount option for bulk loader, dust collection system for bulk spike loader, ladder and walkway for bulk loader, steps and grab irons for bulk loader maintenance access, Lewis bolt ever-grip driving heads
	Auto spike feeder option	Spike orientors, spike trays, singulator and conveyors, electrical and hydraulic upgrades, inclusion of bulk bin with Cluster Buster option
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
	Remote coolant filter loops / Remote fluid drains	Allows quick filter/fluid maintenance
	Schroeder KF 30 case drain return filtration	Filters oil to remove engine wear-related metal filings
	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	Heated outside mirrors, perimeter lighting package
	Storage	Additional book storage box, operator belongings box, track tool box
	Miscellaneous	"Danger Live Track" retractable belt, DOT reflective tape, extra parts/operations/maintenance manuals, rail sweeps, tow bar with D-handle hitch pins
	Turntable	Aluminum replacement for standard steel turntable, turntable warning light and buzzer

Product Specifications

Category	Specification	Value
General	Weight	28, 750 lbs (30,350 lbs with bulk loader option)
	Length	25" 8"
	Width	8" 6"
	Height	9" 10"
	Wheel base	13' 6"
	Travel speed	25 mph (maximum)
Capacities	Fuel tank	120 gallons
	Hydraulic tank	110 gallons
Engine	Make/Model	John Deere 4045TF, 99 HP, four-cylinder, turbo diesel-fired (140 HP engine required with auto spike feeder option)
Hydraulic System	Pumps	Vickers PVH Series
	Control valves	Vickers manifolded
	Oil Cooler	Electric fan, 80 GPM
Electrical System	Battery	24 Vdc (dual 12V DC batteries), 1150 cold-cranking amps
Axle / Wheels	Axle size / Wheel size and type	3-inch standard (3 7/16-inch with bulk loader option)/ 16-inch diameter, cast steel
Brakes	Type	Four-wheel shoe type, spring-actuated, hydraulic-release