

Tie Shear



Key Features

The Tie Shear includes the following key features:

- Single-operator climate-controlled, enclosed cab
- Two scissor-style workheads for cutting ties into pieces
- Two integrated tie kickers to push the tie pieces out to the side
- John Deere turbo-charged, six-cylinder Tier IV engine; Cummins engine option available
- Four-wheel, dual-axle, hydraulic drives
- Spring-applied, air-released parking brakes and pneumatically-applied, air released, service brakes with Cobra brake shoes
- 24 VDC, circuit breaker-protected, electrical system
- PLC electrical control system
- Dual, pressure-compensated, hydraulic pumps
- Steel manifold-mounted, electrical control valves
- Cab-controlled locks on all cylinders
- Joystick controls



Tie Shear

Allows for easy removal of damaged ties

The Tie Shear is ideal for use when obstructions or close adjacent tracks make horizontal removal of a full tie difficult or impossible. The Tie Shear uses two scissor-style workheads to cut the ties into pieces, allowing for easier removal of the shorter tie sections.

After the cut takes place, the operator can opt to:

- Have the center tie section automatically drop back into the crib
- Propel the machine forward and drop the center tie section in another location

Integrated tie kickers

The integrated tie kickers can push out either or both of the left and right tie pieces, allowing greater control in obstructed or constricted areas. Intuitive controls allow the operator to easily select between left, right, or both direction kicks. During the kicking process, the center tie section is lifted, creating space for the sections on either end to be kicked out.

Rail clamps hold the rail structure firmly in place during the shearing and kicking operations.

Adjusts for different tie depths

Simple potentiometer settings allow the operator to quickly adjust for different tie depths. In addition, the maximum cut depth can be easily set as well.

Stock fewer maintenance parts

Since the tie shear uses many of the same components as other Nordco machines – in particular, the Cribber and the TRIPP Tie Remover/Insertor – you can stock fewer maintenance parts on your parts wagon.



Optional Equipment

Category	Option Type	Description
Cabin	Cabin accessories	Cab window shades, vandal guards (protective screens over cab windows)
Engine	Engine upgrade	Cummins Tier III diesel engine
Repair & Maintenance	Lubrication system	Air-powered grease lubrication system (35# pail & 32' hose)
	Drive axles	Cab-selectable insulation by-pass for drive axles
	Electric hydraulic tank fill system	Allows quick filling of hydraulic tank
	Spare hose tree	Stores extra hoses on the machine
	Remote coolant filter loops	Allows quick filter maintenance
	Schroeder KF 30 case drain return filtration	Filters oil to remove engine wear-related metal filings
Other Accessories	Miscellaneous	"Danger Live Track" retractable belt, DOT reflective tape, extra parts/operations/maintenance manuals, rail sweeps, tow bar with D-handle hitch pins, windshield washer fluid tank and nozzles
	Gauges and alarms	Fuel level site gauge, hydraulic reservoir temperature gauge, low hydraulic oil level/high hydraulic oil temperature alarm
	Lighting and mirrors	Heated outside mirrors, perimeter lighting package
	Storage	Additional book storage box, track tool box

Product Specifications

Category	Specification	Value
General	Weight	39,500 lbs.
	Length	36'
	Width	11'
	Height	11' 6"
	Travel speed	23 mph (maximum)
Capacities	Fuel tank	120 gallons
	Hydraulic tank	2 @85 gallons
Engine	Make/Model	John Deere 6068T, Tier IV, turbo-charged, six-cylinder, 185 HP @ 2350 rpm; (Optional) Cummins QSB6.7, Tier III, turbo-charged, six-cylinder 190 HP @2350 rpm
Hydraulic System	Pumps	Oil Gear PVG piston pump
	Control valves	Ductile manifolds with Vickers valves
Electrical System	Battery	24 Vdc (dual 12V DC batteries), 1150 cold-cranking amps
Axle Drive System	Drive type	Dual-axle, chain-drive, hydraulic
Brakes	Type/Style	Pneumatically-applied (air) service brakes, spring-applied (air release) parking brakes, four-wheel, Cobra-style

www.nordco.com

245 W. Forest Hill Avenue
Oak Creek, WI 53154 USA
Phone: 414-766-2180
Fax: 414-766-2379

