

Advanced Tie Plate Inserter

ATPI



The ATPI lifts the rails and inserts the tie plates in the proper position on the ties, then lowers the rails onto the plates, enabling a secure rail-to-tie connection.



Key Features:

- Each railjack and workhead is independently controlled with a joystick
- Tie plates can be maneuvered fore and aft, left and right
- Hard stops ensure proper placement of plates before the rail is lowered
- Workhead lighting for night and tunnel projects
- Excellent 360-degree visibility fore and aft when track traveling

Specs:

- Seating Capacity: 6 (one operator, five passengers), multiple cab sizes available
- Travel Speed: 24 mph (~39 km/h); chain-driven propulsion system
- Fuel Tank Fill Capacity: 64 gallons (~241.5 litres)
- Hydraulic Reservoir Fill Capacity: 51 gallons (~193 litres) with clean-out covers, guarded fluid level, and temperature gauge
- 24V DC system with circuit breakers for lights and accessories
- Structural steel frame with derail skids, keyhole tie downs, rubber bumpers
- Cast steel wheels for long wear, self-aligning roller bearings, and axle locks for safe operation
- Ergonomic seat with joystick controls

Safety:

- Enclosed cab with HVAC system, in-cab pressurizer for a safer work environment, and acoustical protection
- Dual side egress optimizes safe operator exit in congested areas
- Safety is enhanced using electric-powered controls that reduce operator fatigue

Technology:

- Onboard electrical system diagnostics to simplify troubleshooting and lessen downtime
- Smart hydraulic valves with self-diagnostics and maintenance screens increase flexibility, reliability, and reduce parts inventory by using the same control valve for every function



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Always wear proper PPE when operating

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Operator touchscreen control panel for machine operation and maintenance



The Advanced Tie Plate Inserter features a fully automatic plate insert program to simultaneously insert both plates with one trigger.

Dimensions:

Length: 22' 3" (~6.8 m)

Width: 8' 6" (~2.6 m)

Height: 10' (~3 m)

Weight: 22,500 lbs (~10,207 kg)

*Dimensions vary based on user options



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