

# MARK IV

PRODUCTION / SWITCH TAMPER



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## FEATURES

- Jupiter II Control System
- System V Lining System
- Comfortable Control Cab
- Combo Clamp System

Harsco Rail's Mark IV Production/Switch Tamper is durable to deliver extra value with its rugged and proven vibrator assemblies and an easily upgraded control system. The Mark IV is equally effective on wood or concrete ties and uses positive displacement work-head technology. Harsco Rail's tampers are designed to meet customer requirements.

## SPECIFICATIONS

Length	Basic Machine with Project Buggy Stored: 15 m (590.6 in.) (Working) 33.5 m (1320 in.)
Width	3.2 m (126 in.) (Working) 4.0 m (157.5 in.)
Height	(Travel) 3.8 m (12.44 ft.)
Wheelbase	8.7 m (342 in.)
Weight	Standard: approximately 29,483 kg (60,000 lbs.)
Max Travel Speed	48.3 km/h (30 mph)
Combo Clamp System	Single rail clamp lifts from the ball of rail during production work or from the base of rail where required in switches
Main Frame	High strength steel, boxed beam, welded construction
Wheels & Axles	28 in. (711 mm) diameter single-wear solid steel wheels mounted on heavy duty solid railroad type axles
Suspension	Trunnion-mounted front axle and rear axle elastomeric suspension
Drive Train	Each axle is fitted with a two speed gearbox directly driven by a variable displacement drive motor providing full time four-wheel drive with automatic speed control. The low gear is used in work mode and the high gear is used in travel mode. The variable displacement motors provide high torque for starting on grades and seamless transition through travel speeds up to 30 mph (48 kph).
Engine	Cummins QSB tier 4 6.7 liter, 6 cylinder liquid cooled, turbocharged and charge air cooled diesel, 250BHP (186kW) @ 2200 RPM
Hydraulic System	Variable displacement piston pumps, fixed displacement gear pumps, 24 VDC solenoid operated valves
Air Systems	The engine mounted air compressor can produce up to 28 SCFM depending on speed and turbo boost pressure. The nominal operating pressure is 100 psi.
Electrical System	24-VDC system with 175-A alternator
Controls	All working functions are under control of the Jupiter II Control System with interactive operator interface
Tamping Units	Four heavy-duty vibrators drive 16 abrasion-resistant tamping tools. Transversing work-heads tamp the majority of the switch area
Leveling System	Improved Harsco Rail's Delta System, single infrared projector, nonadjustable shadow-board, Double Barrel infrared receivers mounted on rapid response actuators, and an inclinometer for accurate cross level

Learn more at [harscorail.com](http://harscorail.com)

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