

PRODUCTION / SWITCH TAMPER

Model Mark IV



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 workhead technology. Harsco Rail's tampers are designed to meet customer requirements.

HARSCO
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Insight onsite.™

PRODUCTION / SWITCH TAMPER

Mark IV Specifications

Features & Benefits

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

Length	Basic Machine: 12.16 m (39.9 ft.) With Projector Buggy stored: 15 m (49.5 ft.) (Working) 33.5 m (110 ft.)
Width	3.2 m (10.5 ft.) (Working) 4.0 m (13.25 ft.)
Height	(Travel) 3.8 m (12.44 ft.)
Wheelbase	9.69 m (342.2 in.)
Weight	Standard: approximately 22,581.1 kg (60,500 lbs.)
Max Travel Speed	49.2 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	711.2 mm (28 in.) cast steel (AAR profile) wheels on solid forged steel 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 proportionally controlled 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 49.2 km/h (30 mph)
Engine	Cummins QSC 8.3L turbo charged diesel: 171.5 kw (230 HP) @ 2,200 RPM
Hydraulic System	Variable displacement piston pumps with proportionally controlled variable pressure control; fixed displacement gear pump; 24-VDC valves
Air Systems	Engine drive compressor provides pressurized air for positive brake applications and other air-operated functions; up to 13.2 lps (28 scfm) depending on speed and turbo boost; 690 kpa (100 psi operating pressure)
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 workheads tamp entire switch area.
Leveling System	Improved Harsco Rail's Delta System, single infrared projector, nonadjustable shadowboard, Double Barrel infrared receivers mounted on rapid response actuators, and an inclinometer for accurate cross level.

Download full specs at www.harscorail.com

Watch video at www.youtube.com/user/harscorail

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