

HY-RAIL® Guide Wheel Attachment

The Harsco Track Technologies' **HR4000 Series A HY-RAIL®** guide wheel attachment is used to adapt heavy-duty, chassis-cab trucks, meeting Harsco Track Technologies' recommended vehicle specifications for highway and railway applications.

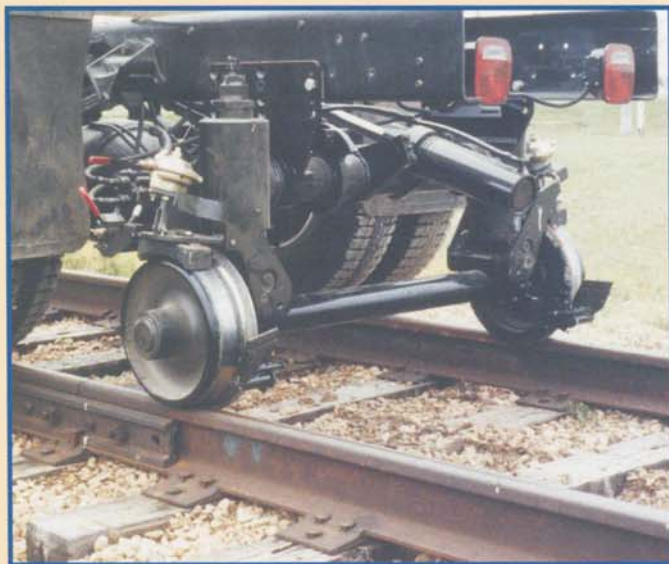
The **HR4000 Series A** unit is for rear position installation and may be used in conjunction with other Harsco Track Technologies' front units.

The unit is lowered and raised vertically with a hydraulically-actuated "rotational" type mechanism.

The **HR4000 Series A** features a self-centering, side shift mechanism that enables the operator to place the vehicle "on-rail" even with the rear tires up to three (3) inches out of position.

Lever released, positive mechanical locks hold the guide wheel unit in both the highway and rail positions.

The unit bolts directly to the vehicle's frame rails and feature height-adjustable mounting. Mounting brackets are specifically designed for each approved vehicle model to make installation easier and assure mounting integrity. The unit is available in insulated and non-insulated versions. Also available are optional air-actuated, tread-type brakes with composition shoes and optional fixed rail sweeps. An electric air compressor and a hydraulic power unit are available for installation on vehicles not equipped with air brakes or hydraulic systems.



Like all HY-RAIL® guide wheel units, HR4000 Series A units are manufactured with proven HTT quality methods such as non-destructive evaluation of critical parts using x-ray and/or ultrasonic methods to assure reliable service.

Harsco Track Technologies' **HR4000 Series A HY-RAIL® Guide Wheel Equipment:** Make it your choice for dependable highway/railway transportation.

"Complete Maintenance Solutions Through Innovative Technology & Hands-on Experience"

HTT

Harsco Track Technologies

Harsco

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HR4000 Series A HY-RAIL® Guide Wheel Equipment Specifications

COMPATIBLE VEHICLES

Type Heavy-duty chassis-cab trucks with single or tandem rear axles

WEIGHT CLASS

GAWR – Rear Up to 40,000 lbs. (18,144 kg) maximum

GUIDE WHEEL UNITS

Construction Fabricated steel unit – welded and bolted construction

Attachment to Vehicle Universally mounted pilot unit bolts to vehicle's frame rails

Rail Wheels Austempered ductile iron precision machined

Tread Diameter 16.00 in. (406.4 mm)

Flange Diameter 18.09 in. (459.4 mm)

Wheel Bearings Heavy-duty, tapered roller

Brakes Available – Air-actuated, tread-type, with single Cobra composition brake shoe on each rail wheel

Safety Locks Lever released, positive mechanical locks

Derail Skids Built-in – standard

Rail Sweeps Available – bolt on, height adjustable, fixed position

Raise/Lower Actuation Hydraulic, double-acting cylinders with manual control valve located at unit

WEIGHTS & DIMENSIONS

Unit – standard 1,186 lbs. (538 kg) installed

Unit – with side shift 1,500 lbs. (680 kg) installed

Track Gauge 56.5 in. (1435 mm) – standard

LOAD CAPACITY

Guide Wheel Unit 40,000 lbs. (18144 kg) maximum

Per Guide Wheel 20,000 lbs. (9072 kg) maximum

REQUIRED AUXILIARY EQUIPMENT

Steering Lock Steering column mount – manual actuation on steering wheel

Mounting Brackets and Spacers Designed for each approved vehicle model

HYDRAULIC SYSTEM REQUIREMENTS

Flow Range 5-8 gpm (18.9-30.2 lpm)

Operating Pressure 1,800 psi (124.1 bar) maximum

FACILITY LOCATIONS:

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