

HY-RAIL® Guide Wheel Attachment



The Harsco Track Technologies' **HR4500 Series V HY-RAIL®** guide wheel attachment is used to adapt heavy-duty, chassis-cab trucks meeting Harsco Track Technologies' recommended vehicle specifications for highway/railway applications where a vertically-actuating front unit is desired. The unit attaches to the vehicle's front end with mounting brackets and spacer specific to the vehicle model.

HR4500 Series V units are for front end position installation and may be used in conjunction with other Harsco Track Technologies' rear units.

HR4500 Series V units feature mounting flanges with multiple mounting holes and telescoping guide tubes with internal coil spring suspension and externally mounted double acting hydraulic cylinder for raising and lowering the unit.

With bolt-on mounting, the unit is easily adjustable for vehicle load, clearances and tracking. Air-actuated, tread-type brakes with composition shoes are standard. Optional fixed rail sweeps are available.

HR4500 Series V units are available in insulated and non-insulated versions. A hydraulic power unit is also available for installation on vehicles not equipped with hydraulic systems.

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FEATURES & BENEFITS

- The **HR4500 Series V** units are vertical-actuating.
- The unit's adjustable coil spring suspension provides a smooth ride and enhances guide wheel/rail contact.
- Series V unit is attached to the vehicle by bolt-on mounting brackets, enabling adjustment for vehicle load, clearances and tracking.

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

HR4500 Series V HY-RAIL® Guide Wheel Equipment Specifications

COMPATIBLE VEHICLESHeavy-duty chassis-cab trucks with single or tandem rear axles

WEIGHT CLASS

GAWR – Front.....Up to 25,000 lbs. (11,340 kg) maximum

GUIDE WHEEL UNITS

ConstructionFabricated steel unit – welded and bolted construction

Attachment to Vehicle.....Universal unit bolts to vehicle's chassis rails – multiple, standard spaced mounting holes enable adjustment of unit mounting for frame height and vehicle load.

Rail WheelsAustempered 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

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

Safety Locks.....Positive mechanical lock – locked in highway and rail positions. Lock release lever secured by a safety pin.

Derail SkidsBuilt-in – Standard

Rail SweepsAvailable – Bolt-on, manually actuated

Raise/Lower ActuationHydraulic, double-acting cylinders with manual control valve located near unit

WEIGHT & DIMENSIONS

Unit.....1,139 lbs. (517 kg) installed

Track Gauge56.5 in. (1435 mm) – Standard

LOAD CAPACITY

Unit with vehicle25,000 lbs. (11,340 kg) / 12,500 lbs. (5,670 kg)
@ curb weight maximum load per guide wheel

REQUIRED AUXILIARY EQUIPMENT

Steering LockSteering column mount – manual actuation on steering wheel

Mounting Brackets.....Designed for each approved vehicle model and Spacers

HYDRAULIC SYSTEM REQUIREMENTS

Flow Range5-8 gpm (18.9-30.2 lpm)

Operating Pressure.....2,200 psi (151.6 bar) maximum

Visit us on the web
www.harscotrack.com



An ISO 9001:2000 Registered Company

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Bulletin #HTT 2054
Printed in USA – June, 2008