

HY-RAIL® Guide Wheel Equipment



Harsco Track Technologies' **HR0307 Series A HY-RAIL®** Guide Wheel unit is used to adapt light duty trucks and SUVs, meeting HTT's recommended vehicle specifications, for railway applications requiring travel on the highway and on the rail.

The **HR0307 Series A** guide wheel unit is installed on both the front and rear of light duty trucks and SUVs. These units attach with the use of special mounting brackets and spacers. Each guide wheel unit is fully adjustable for clearances and for rail tracking.

The **HR0307 Series A** guide wheel unit is lightweight in design. This is accomplished through the use of aluminum parts and steel casting.

The **HR0307 Series A** guide wheel unit is manually actuated by the operator. This eliminates the need for hydraulic and electrical systems. This helps create the lightweight design feature of this guide wheel unit. Also, upfitting times are faster since hydraulic and electrical systems do not have to be installed.

The **HR0307 Series A** guide wheel unit has factory sealed wheel bearings. These bearings provide extended durability and eliminate the need for regular re-packing.

The **HR0307 Series A** guide wheel unit has proven to be a reliable and easily maintainable HY-RAIL® attachment. It is lightweight, simple to operate and cost efficient to maintain. It will provide years of dependable service for the HY-RAIL® customer.

HTT

Harsco Track Technologies

Harsco

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*“Complete Maintenance Solutions
Through Innovative Technology
& Hands-on Experience”*

HR0307 Series A HY-RAIL® Unit Specifications

COMPATIBLE VEHICLES

Type Light-duty trucks and SUVs

WEIGHT CLASS

GVWR 5,000 to 11,200-lbs (2,268 to 24,696-kg)

GUIDE WHEEL UNITS

Load Capacity 700-lb (318-kg) maximum per wheel

Construction Modular unit w/extruded aluminum cross channel member & bolt-on suspension & guide wheel assemblies

Suspension Torsion arm, four rubber cord springs per guide wheel

Rail Wheels Choice of steel tread or aluminum w/rubber tread wheels

Tread Diameter 10.00-in. (25-cm)

Flange Diameter 12.25-in. (31-cm)

Wheel Spindles & Bearings Unitized bolt on unit – lubed for life / factory sealed

Safety Locks Positive self-engaging mechanical lock on each guide wheel – locked in rail & highway positions – lock secured by a safety pin

Derail Skids Bolt-on – recommended option

Rail Sweeps – Front Bolt-on – recommended safety option for front unit

Raise/Lower Actuation Mechanical – with removable hand lever used at each guide wheel unit

Bumpers Front (with sight rods) and rear – standard

WEIGHTS & DIMENSIONS

(does not include mounting brackets or hardware)

Front Unit 255-lbs. (115.6-kg)

Rear Unit 255-lbs. (115.6-kg)

Track Gauge 56.5-in. (1435-mm) – standard

REQUIRED AUXILIARY EQUIPMENT

Steering Lock Steering column mounted; manual actuation on steering wheel

Mounting Brackets & Spacers Specific design for each approved vehicle model

FEATURES AND BENEFITS

- Forged aluminum wheel arms reduce unit weight and improve integrity.
- Periodic maintenance is reduced. Unitized wheel bearings are factory sealed and require no lubrication or adjustment.
- Mechanical locks retain each guide wheel in both raised (road) and lowered (rail) positions.
- Safety pins retain mechanical locks in position.
- Derail skids bolt-on for easier installation and replacement.
- Steering wheel lock prevents vehicle steering wheel movement during on-track operation.

AREMA



An ISO 9001:2000 Registered Company

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Bulletin #HTT 2043
Printed in USA November, 2006

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