

## 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

415 North Main Street • Fairmont, MN 56031-1837

Tel: (507) 235-7112 • Fax: (507) 235-7341

[www.harscotrack.com](http://www.harscotrack.com)

*“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.

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## FACILITY LOCATIONS:

Harsco Track Technologies  
Harsco Corporation

2401 Edmund Road, Box 20  
Cayce-West Columbia, SC 29171-0020  
Tel: (803) 822-9160 • Fax: (803) 822-7471

415 North Main Street  
Fairmont, MN 56031-1837  
Tel: (507) 235-3361 • Fax: (507) 235-7370

200 South Jackson Road  
Ludington, MI 49431  
Tel: (231) 843-3431 • Fax: (231) 843-4830

4 Strathwyn Street, P.O. Box 5287  
Brendale, Queensland 4500, Australia  
Tel: 61 7 3205 6500 • Fax: 61 7 3205 7369

Unit 1, Chewton Street, Eastwood  
Nottingham, NG16 3HB United Kingdom  
Tel: 01773 539480 • Fax: 01773 539481

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