



# RAFNA R-460 Cushion-Ride RAILGEAR



- ◆ Proven “Cushion-Ride” suspension provides superior ride quality, reduced vibration through the vehicle frame, less component stress, and positive wheel-rail contact
- ◆ No adjustment required for varying loads
- ◆ Rail wheel assemblies bolted to the axle provide simple rail wheel alignment and easy maintenance
- ◆ Few moving parts results in very low maintenance and lubrication costs
- ◆ Hydraulically operated for safe and easy access to the rail
- ◆ Self-lubricated bearings at all pivot points

This 100% duty cycle railgear was designed to meet the task at hand. Equip a light truck that has a maximum GVWR rating of 19,500 lbs with a *Rafna R-460 Railgear* and see for yourself.

Proven “*Cushion-Ride*” suspension provides ride quality , reduced vibration through the vehicle frame, less component stress, and constant rail wheel to rail contact. No railgear adjustments are required for varying loads.

*Rafna’s R-460 Railgear* has two hydraulic cylinders on both the front and rear units, providing power to spare under full vehicle capacity.

On rail, the vehicle’s front wheels are raised a minimum of 2” above the rail head and the vehicle front axle is mechanically locked in place.

#### VEHICLE APPLICATION

**2008-UP • FORD SD F-450/550 CHASSIS CAB • 4X2, 4X4 • GAS/DIESEL**

#### VEHICLE CLASSIFICATION—MAXIMUM CAPACITY

**19,500 lbs GVWR      GAWR (Front) 7,600 lbs      GAWR (Rear) 11,900 lbs**

#### INSTALLED WEIGHTS

**Total: 980 lbs**

**Front: 440 lbs**

**Rear: 540 lbs**



535 West Third Street ■ Berwick, PA 18603  
■ Phone: (570) 752-5901 ■ Fax (570) 752-6397



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## STANDARD FEATURES

- ◆ *Cushion-Ride* rubber spring suspension
- ◆ Rotating front and rear railgear units
- ◆ Automatic mechanical locking system in rail and road positions for the front unit
- ◆ Automatic mechanical locking system in road positions for the rear unit
- ◆ Both front and rear units rotate 3° past center in the rail position for added safety
- ◆ Heavy-duty double acting hydraulic cylinders (two cylinder front and rear)
- ◆ Hydraulic operating valves on the front and rear units
- ◆ PTO pump application is standard
- ◆ Built-in derail skids
- ◆ Rail sweeps front and rear
- ◆ Full track circuit insulation (all four wheels)
- ◆ Grease fittings at all wear points
- ◆ Maintenance Free oil-impregnated bronze bearings at all critical pivot points
- ◆ Protective bellows over all inner guide tubes
- ◆ Mechanical steering wheel lock, (hook and loop)
- ◆ Hydraulic Actuated Rear Railgear Axle Lock

## OPTIONAL FEATURES

- ◆ Electric/hydraulic brake package with exterior composite brake shoes.  
Available for 2 or 4 wheels.  
*(Brakes add 65 lbs to Front and 50 lbs Rear.)*
- ◆ 12VDC pump and reservoir with integral emergency hand pump.
- ◆ Cable Actuated Rear Railgear Axle Lock
- ◆ Heavy Duty Springs Available For Rear Railgear Unit
- ◆ Rod Actuated Vehicle Axle Lock.



**G&B Specialties**  
A Wabtec subsidiary

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