

The Original
Gabriel[®]

Ride the independent spirit™

gabriel.com

TRUCK, TRAILER AND BUS PRODUCT GUIDE



PN 85003

PN 89411

PN 85724

PN 89443

PN 85310

PN 85067

PN 85066

PN 85047

PN 89408

PN 85932

The secret to making great shocks...



Why Gabriel®?

Fueled by durability. Driven by results.

No one understands ride control like The Original Gabriel®. In 1907, we created an entire industry around it. So, we understand better than most the challenges that fleet managers and operators are under to make sure their vehicles are ready to perform when called upon.

More heavy trucks than ever rely on Gabriel's heavy-duty technology to get the job done because we have the best OE replacement coverage in the industry. But, we don't just manufacture heavy-duty shocks and struts. We design and build a broader line of hardworking and durable shocks and struts than anyone else in the world.

Coverage - Unrivaled in the industry

No one else comes close to Gabriel coverage. Gabriel Fleetline® and GasSLX® offer more OE replacement coverage than any competitor in the heavy-duty marketplace.

So if you need it, Gabriel is your one stop supplier. Whatever you want...we've got you covered:

- ✓ Coverage
- ✓ Durability
- ✓ Super-finished Chromed Piston Rods
- ✓ Hydraulic Stop
- ✓ Cab Shocks
- ✓ Extreme Heavy-duty Applications
- ✓ Horizontal Applications
- ✓ Adjustability
- ✓ High Temperature Fluid
- ✓ Gas Cell



...Never get too comfortable

Heavy-duty durability - through and through

From the superior tensile strength of every Gabriel® shock to the forged, solid steel, 360° arc-welded eye ring end mounts, Gabriel® builds durability into every Fleetline® and GasSLX® shock it makes. In Gabriel-designed tests, Gabriel outperformed the competition in tensile strength, mount weld strength and eye ring strength.



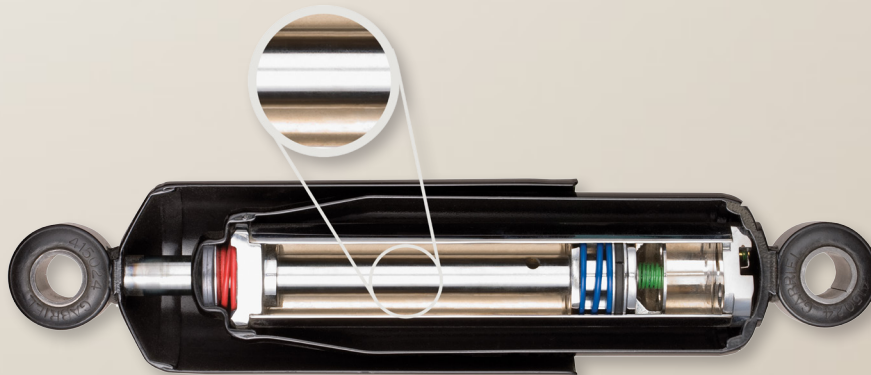
Gabriel
Solid Steel
Eye Ring



Gabriel
360° Arc-Welded
End Mount

Quality - Gabriel super-finished chromed rods are the new gold standard

All chromed rods are not created equal and the finish matters. Gabriel uses a **super-finished chromed** piston rod on **every** heavy-duty shock it makes, because it offers the best protection against corrosion.



Gabriel super-finished chromed piston rods:

- Prevent corrosion
- Ensure proper seal lubrication
- Provide a more consistent wear surface
- Produce longer product life

Built rugged to carry your fleet across all road environments

Gabriel® keeps working long after the job is done

Quality components, precision engineering and a durable, robust design ensure top performance throughout the life of Gabriel® heavy-duty shock absorbers, and reduce wear and tear on other costly suspension parts.

Drawn over Mandrel (D.O.M.) Inner Cylinder Tube

- Provides smooth surface on inner cylinder for piston seal and piston bearing face
- Less chance of scoring and better durability
- Higher tolerance on the I.D.

Super-Finished Chromed Piston Rods

- Provides superior corrosion resistance, performance and product life

Bulged Design* *2

- Increased fluid capacity
- Lower operating temperatures
- Less internal wear due to heat dissipation

Pressurized, Floating Piston Seal Design

- Self compensates for wear over shock life
- Rugged and durable design
- Less fade, more consistent performance over the full range
- Reduces force-velocity variabilities, increases control capabilities at low velocities

Forged Solid Steel Eye Rings and 360° Arc-Welded End Mounts*

- Greater tensile strength
- Reduces end mount failures

Triple Lip, Nitrile Rod Seal²

- Extra seal protection improves fluid retention
- Leads to longer product life

Hydraulic Extension Stop¹

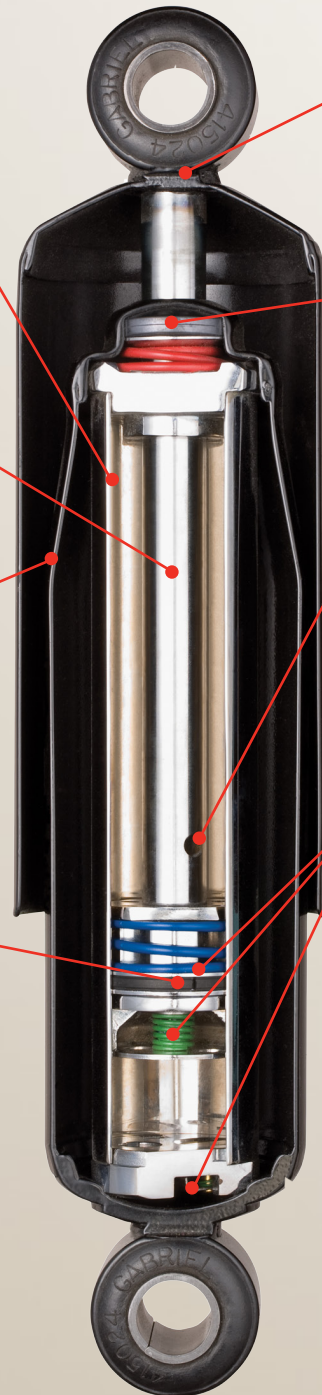
- Unique and robust design
- Prevents shocks from topping out and suspensions from over-extending
- Significantly reduces fatigue in mounts, lights and other vibration sensitive components

10 Stage All Coil Spring Valving

- For comfort and control
- Enhanced durability
- Self-cleaning

GasSLX® - Features the benefits noted above, plus:

- Adjustable - 3 positions
- Gas Cell - Separates gas from fluid
- Reduced fade
- High Temperature (H.T.) Fluid
- Multi-lip Viton Rod Seal



* Excluding some or all 83000 Series
** Including 85300 and 85700 Series

¹ Where required. ² Excluding GasSLX
Note: Features may vary by part number

Gabriel® Heavy-duty Truck shocks

Shocks for Class 3 – 8 Trucks, Buses and Trailers



Fleetline® Cab Shocks

Fleetline® Cab Shocks

Heavy-duty shocks specifically designed to improve comfort and reduce vibration in cab suspensions

- 1", 1 3/16", 1 3/8", 1 5/8" bore sizes to address all cab suspensions and designs



Fleetline® 83000 Series

83000 Series

A heavy-duty product designed for class 3 – 6 vehicles and heavy truck suspensions

- 1 3/8" bore
- 10 stage valving
- Self-compensating piston seal for consistent damping throughout the shock life



Fleetline® 85000 Series

85000 Series

A heavier-duty product designed for class 6 – 8 trucks, buses and trailers

- Larger 1 5/8" bore for increased durability
- Bulged design* for increased fluid capacity and cooler operation in extreme conditions
- Custom blended High Temperature (H.T.) fluid reduces friction and wear in extreme operating conditions**
- Self-compensating piston seal for consistent damping throughout the shock life



GasSLX® 89000 Series

89000 Adjustable Series — GasSLX®

Premium, adjustable, heavy-duty gas shock for class 7 – 8 vehicles, school buses and transit buses

- Three position adjustability offers personal ride selection: regular, firm and extra firm
- Specially formulated H.T. fluid reduces friction and wear in extreme operating conditions
- Unique Gas Cell design double seals for superior gas retention
- 1 5/8" bore, forged solid steel eye rings and 360° arc-welded end mounts for superior durability



* 85300 Series and 85700 Series

** Where applicable

Gabriel® Shocks for Light Trucks

Ultra™ LT - Light Truck Shocks and Struts

Precision engineered for the ultimate in safety and performance for today's light trucks, SUVs and vans. Equipped with G-Force™ technology, including:

- StableSteer™ Valving - Improves tire contact with the road for safety and control
- G-Force™ Piston - Sintered iron construction for durability and maximum shock performance
- OE-design Single Lip Oil Seal - Minimizes friction for optimal comfort and performance.

LTV™ Commercial Series

- The ultimate commercial-duty shock for fleet use
- Designed specifically for heavy-duty use on light trucks and vans
- Oversize 1 5/8" (41mm) piston bore with durable sintered iron piston and compression head
- Arc-welded end mounts for maximum strength

MaxControl™ Monotube Shock by Gabriel®

- For superior ride and handling for any light truck or SUV
- Larger 1 13/16" (46mm) bore for quicker reaction
- Single-tube design and multi-stage sealing to reduce chamber temperature and debris entry
- High pressure nitrogen gas and floating piston technology allow the shock to immediately react

Front & Rear Spring Assist (Load Carrier)

- Combines shock and spring technology
- Constant-rate front coil springs can help improve stability and restore or maintain ride height
- Variable-rate rear coil springs provide 500 lbs. per pair of load capacity. [Not to exceed vehicle GVWR (Gross Vehicle Weight Rating). Product does not increase payload]
- An economical solution for heavier-duty use

Steering Stabilizers

- Improves handling and control
- Provides added damping of steering system's lateral motion
- Urethane bushings, premium high-performance fluid and fade-resistant foam cell



G63000/G64000 Series



Struts (G52000/G55000/G56000 Series)



Spring Seats (G51000 Series)



(58000 Series)



(75000/77000/79900 Series)



(34/43000 Series) Pair Pack



(6800SE Series)

Gabriel® Guide to Shock Inspection

Reduce down time with regular maintenance

Today's low friction class 3 – 8 suspensions require high functioning shocks to minimize wear and protect suspension components from vibration damage, tires included. Worn shocks also increase driver fatigue because they cannot properly dampen the suspension oscillation that gets transferred to the truck cab of today's sophisticated suspension systems.

A program of regularly scheduled shock absorber inspection and maintenance will help avoid down time and reduce wear on other components. In between these regularly scheduled reviews, watch for signs that wear is occurring.

Indications that maintenance may be required and shocks should be checked for replacement include:

- Uneven Tire Wear
- Ride Deterioration
- Excess Vibration
- Sagging Taper Leaf Springs
- Premature Wear
- Broken or Torn Air Springs

Signs that it's time to replace shock absorbers



Leaking



Upper or lower mount broken



Upper or lower bushing broken



Broken internally or jammed in collapsed position



Improper installation



Dust tube broken



Truck mount failure



Bent or dented

THE ANSWERMAN



QUESTIONS ANSWERED.

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With the Gabriel® Answerman, you never get automated voices, just expert answers. If you have a question for the Answerman, call toll-free at 800.999.3903.



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