

4 Types of Shock Absorbers

GSP
LATIN AMERICA



GSP
SINCE 1985

1



TELESCOPIC

2



CARTRIDGE

3



DISC/PLATE

4



STRUT ASSEMBLY/ LOADED STRUT

Shock Absorbers

GSP is the worldwide leader in suspension. GSP shock absorbers are manufactured with highest quality materials and components. With innovative equipment, GSP is able to produce stricter tolerances and longer lasting products.

Each GSP Shock Absorber is designed and tested to meet or exceed OE specifications to ensure the proper fitment for your vehicle.

 **Lange Trinidad Ltd.**

36-38 Gaston Street, Lange Park Changuanas
Tel: +1 (868) 665-9477 | Fax: +1 (868) 665-9964
Email: autoparts@langetrinidad.com
www.langetrinidad.com



SCAN TO
VISIT
OUR
WEBSITE

Oil or Gas?

Oil charged shocks are filled with oil that works with internal valving to provide a smooth comfortable ride. An oil charged shock has its limitations and could provide less control when needed most.

Gas shock absorbers use a combination of oil and nitrogen gas to provide the dampening force. A gas filled twin tube shock will give the driver more stability and control in all conditions. The internal pressure of a gas charged shock absorber also results in quicker response in all driving conditions.

Shock Absorbers



- Telescopic
- Cartridge
- Disc/ Plate
- Strut Assembly/ Loaded Strut

What is the function of the shock absorber?

The shock absorber helps to support the weight of the vehicle and is fundamental in the absorption of vibrations and irregularities on the road, to provide a smooth and comfortable ride.

Shock Absorbers help to maintain tyre-to-road contact at all times.



Key Points for quality control

Production lines	Inspection Machinery
<ul style="list-style-type: none"> · Appearance inspection · Dimensions inspection · Fit, form and function 	<ul style="list-style-type: none"> · Salt spray test · Durability (1M Cycles) · High/Low extreme temperatures

GSP's "Tri-Lock", piston rod seals feature two inner seals to lock gas and oil in and an outer seal to lock dirt and debris out. This seal is designed to operate in extreme temperatures and extends service life (NOK Japan Seals).

GSP's dual-layered, chrome finished piston rods provide superior corrosion resistance guaranteeing maximum seal life in even the most extreme environments.

GSP utilizes an internal valve that is designed and tuned to each vehicle's application to ensure comfort and stability at low and high speeds.

The added nitrogen gas to specific GSP Loaded Struts helps to reduce oil foaming and strut fade, while providing a consistent high quality ride experience.

The requirements to maintain clean chambers are more stringent than those of keeping an engine clean.

