

## SHOCK ABSORBERS

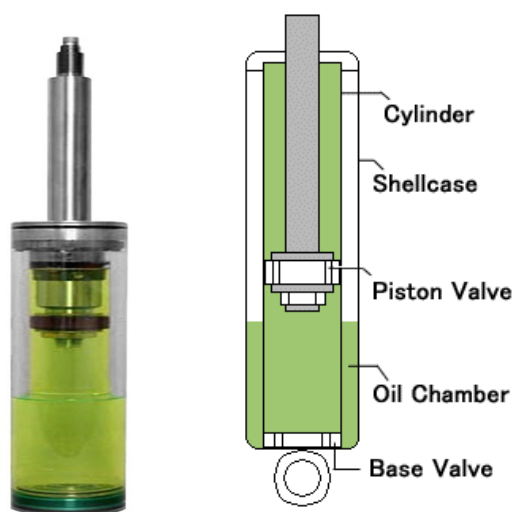
**Gestión de Compras** have the means to design, develop and manufacture a wide range of shock absorbers for different applications.

### PRODUCT:

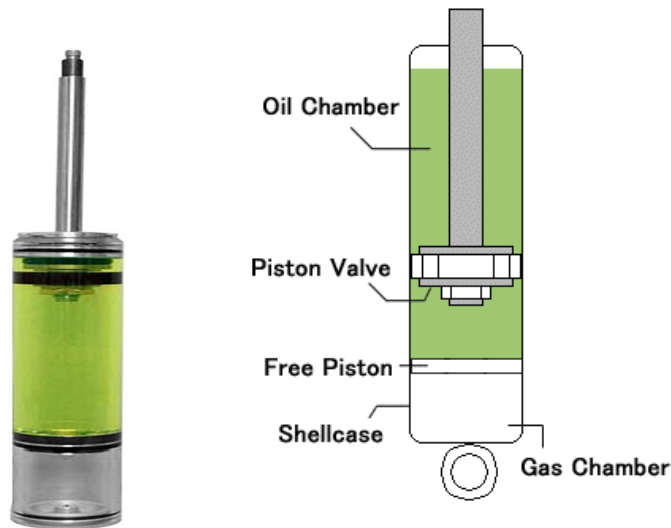
A shock absorber, also called damper, is a mechanical, pneumatic or hydraulic device, or a combination of them, whose function is absorb and damp shocks and vibrations. It works transforming the shock energy (kinetic) into another form of energy, usually heat.

Hydraulic shock absorbers are the most employed, especially on automotive industry. Exist two principal types of vehicle shock absorbers. Dual tube and monotube.

- **Dual tube.** This kind of shock absorber has two different cylinders, the working tube and the reserve tube. This cylinders are connected by a compression valve. Hydraulic fluid moves between different parts of the working tube via small holes in the piston and between both cylinders via the valve, converting the "shock" energy into heat which must then be dissipated. There are some alternative designs for dual tubes shock absorbers, such as twin-tube gas charged, position sensitive damping, acceleration sensitive damping and coilover.



- **Monotube.** Consist in a simple cylinder, divided in two chambers. One chamber contains high pressure nitrogen, the other one contains oil. It has also two pistons. These pistons are called the working piston and the dividing piston (free piston). They move in relative synchrony inside the pressure tube in response to pressure changes.



## MATERIALS AND PRODUCTS:

We offer our range of shock absorbers in several materials, most demanded are:

- Mild steel.
- Stainless steel.
- Aluminum.

Almost all vehicles assemble shock absorbers. For this reason, **Gestión de Compras** design, develop and manufacture several types of shock absorber for bikes, motorbikes, cars, trucks, trailers, etc. We also provide shock absorbers for industrial applications.

Moreover, **Gestión de Compras** offers shock absorbers for automotive sector like BMW, Nissan, Toyota and other brands such as Honda, Mitsubishi, Audi, Mazda, Renault, etc.

## STANDARD AND CERTIFICATES:

We have the means to ensure our products comply the general regulation and the specific certificated regulations in manufacturing products that requires them.

- ISO 9001.
- ISO 14001.
- TS 16949.
- ISO 8062, ISO 286-2, DIN 2768, DIN 1697, etc.
- OHSAS 18001.



## CONTACT:

In **Gestión de Compras** work with a wide range of customers from different sectors but have in common the search for products that suit your needs at the best Price and the guaranteed maximum quality. Check with us about any product. We have a qualified staff who will advise you.

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