

Astemo

TOKICO

Shock Absorbers



TOKICO

Decades of experience in original equipment

Since the establishment of Hitachi Astemo as manufacturer of TOKICO products our shock absorbers for motorcycle and passenger cars (mass production vehicles and aftermarket) have been highly evaluated by customers worldwide. We have been pursuing high quality and performance in all our products and pushing the limits of technology.

As part of these efforts, we have supplied products to numerous races for both motorbikes and cars where every 1/1000 of a second counts, and our technical capabilities have been proven through title wins. TOKICO shock absorbers, which integrate these technologies, are provided to customers by Hitachi Astemo's worldwide service network.

TOKICO supplies over 700 part numbers for Japanese vehicles to the Independent Automotive Aftermarket. With a coverage of over 2.800 different vehicles TOKICO delivers suspension products for over 48 mill. vehicles on the road and is a premium supplier for Japanese suspension products.

1) COIL OVER TYPE SHOCK

U Series (Gas type)

Q Series (Oil type)

- Originally developed by TOKICO (first in the world: U series).
- Better vehicle control, improved ride quality, and quieter operation by eliminating cavitation.



2) SUSPENSION STRUT

A Series (Oil type)

B Series (Gas type)

- Improved comfort and ride control is assured through MacPherson strut design which is used in most modern suspension chassis.
- Restores OE damping forces ensuring consistent tire/road contact and a safe handling of the vehicle.



3) HYDRAULIC SHOCK ABSORBER

1000-6000 Series (Oil type)

- Improved riding comfort under severe driving conditions, due to TOKICO's unique rebound and compression control disc valve system.
- Smooth operation and greater durability of the shock absorber.
- Improved road holding and necessary stability for safety.





4) TWIN TUBE SHOCK ABSORBER

E Series (Gas type)

- Originally developed by TOKICO (first in the world).
- Better vehicle control, improved ride quality, and quieter operation by eliminating cavitation.
- Improved driving dynamics and increased control for body and tire movement.

5) STRUT CARTRIDGE





S Series (Oil type)

Z Series (Gas type)

- Strut cartridges are the easiest and most efficient way to replace a suspension strut with cartridges.
- Assures a suitable damping force for active road-holding and excellent driving stability under any road condition.



TOKICO PERFORMANCE SHOCKS

Series	Structure	Target vehicle	Body color	Features
Power X 	Twin tube Oil	SUV / Pick Up	Light Blue	<ul style="list-style-type: none"> • Adjusted damping force: 125% Rebound and 130% compression • Enlarged cylinder size • Intelligent valve system
Alpha 	Twin tube Gas	SUV / Pick Up	Blue	<ul style="list-style-type: none"> • Adjusted damping force: 125% Rebound and 130% compression • Enlarged cylinder size • Intelligent valve system • Special seal to prevent oil leakage • TWIN-TUBE cylinder structure
Alpha + 	Twin tube Gas	SUV / Pick Up	White	<ul style="list-style-type: none"> • Adjusted damping force: 160% Rebound and 140% compression • 20% larger base tube • Extra durable shock core • Intelligent valve system • Special seal to prevent oil leakage
S-plus 	Twin tube Gas	PV	White	<ul style="list-style-type: none"> • Intelligent valve system • Adjusted damping force: 180% Rebound and 150% compression

Shock Absorbers & Struts are an important part of the overall suspension and steering system. With increasing weight of the vehicles such as in new Electric Vehicles (EV) the suspension systems are gaining importance for the right body weight management of the vehicle.

Combining the first letters of the words „**A**dvanced **S**ustainable **T**echnologies for **M**obility“ to form „Astemo“, the new name clearly describes the mission of the integrated company: „to provide a safe, sustainable and comfortable mobility life through technologies that contribute to an advanced and sustainable society“.

Hitachi Astemo with it's TOKICO suspension brand is dedicated in providing cutting edge technologies, a prime example are our solutions for semiactive and active suspension, for which Hitachi Astemo has already been awarded several OE Projects for EV's, thus proving that Hitachi Astemo is one of the global leaders for EV components.

Following along the lines of our successful OE business, the TOKICO brand is dedicated to be a high quality solutions provider to the Independent Automotive Aftermarket as well.

DID YOU KNOW?

- ✓ OE shock absorbers on 1 out of 5 new cars are manufactured by Hitachi Astemo.
- ✓ Supplying all big OEM's in the world since 1934.
- ✓ 13 factories in 7 different countries.
- ✓ Manufacturer with IATF-ISO standards.
- ✓ IAM deliveries through our central warehouse in Europe.
- ✓ Total of >700 part numbers, covering over 2.800 Japanese vehicle models and 48 mill. vehicles on the road globally.

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