



SV-SHOCKS[®]
BUS, TRUCK AND TRAILER
SHOCK ABSORBERS • DAMPERS



Main benefits for you

- 1. Safety
- 2. Extreme stability
- 3. Very long operational life
- 4. Cost effectiveness

Dampers - for every purpose

SV can fulfil exclusive demands

The company is an expert on short series and we can manufacture a shock absorber for every purpose. Customers looking for individual solutions know that the performance of our R&D is fast and reliable. We are proud of being known as the problem solvers in our field!



Shock Absorbers - active product development

SV has broad experience and a worldwide reputation for reliable and long-life products, meeting even the most demanding applications. Close cooperation with our customers is the base for our active product development. There is a continuous communication with drivers as well as with manufacturers. SV shock absorbers are well known as high-quality products.

Comfort and safety - tested top quality

Comfort, safety and savings in maintenance costs are of the utmost importance to our customers. All materials are carefully selected to meet our demanding specifications for strength and performance. Every step of the production process is carefully documented and all shock absorbers are tested to prove their durability and resistance before delivery.

Environmentally friendly - long operational life

A new production line featuring low-pressure electrostatic painting has recently been added, which has decreased waste dramatically. Our top quality materials and developed processing methods provide dampers with a long operational life in an environmentally friendly way.

Heavy Duty Applications



Suomen Vaimennin Oy - the company

Suomen Vaimennin Oy (SV) is a shock absorber and damper manufacturer with long traditions. The company has produced and designed shock absorbers for all kinds of vehicles for almost 50 years. SV also designs and manufactures industry-recognised shock absorbers for heavy-duty vehicles including trucks, trailers, buses and also military vehicles, railways and other industrial purposes. Suomen Vaimennin Oy's production plant is located in Järvenpää, in southern Finland.



• Tailor Made

SV sales worldwide

Main markets

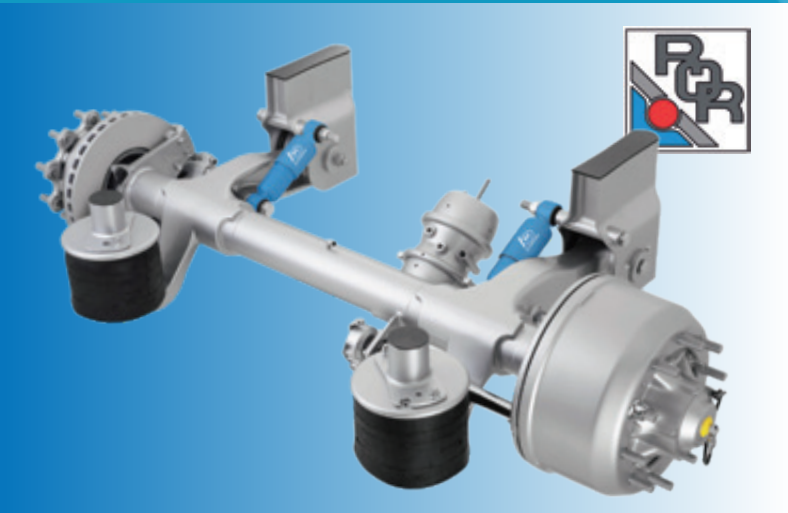
Today 85% of our production is exported. SV's main market area is Europe but our products are sold worldwide.

Tailor-made

SV is specialized in designing dampers and shock absorbers for all sizes, purposes and applications.

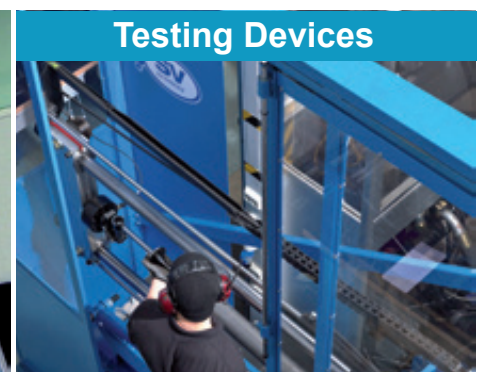
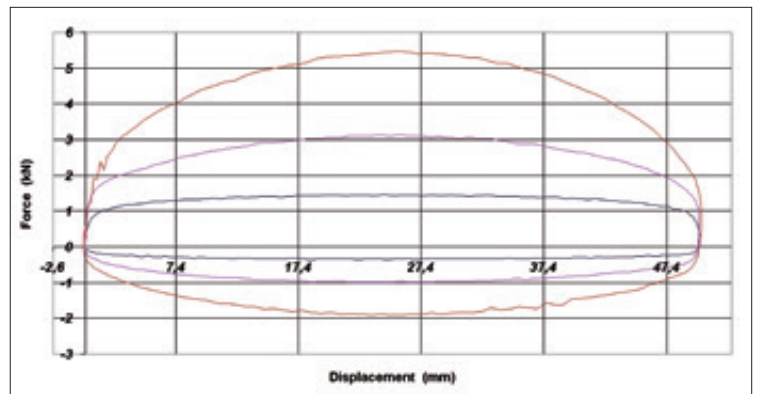
• Fit and Forget

Iceland
Great Britain
Scandinavia
SV-Shocks
Finland
European countries
Ukraine
Turkey
Russia

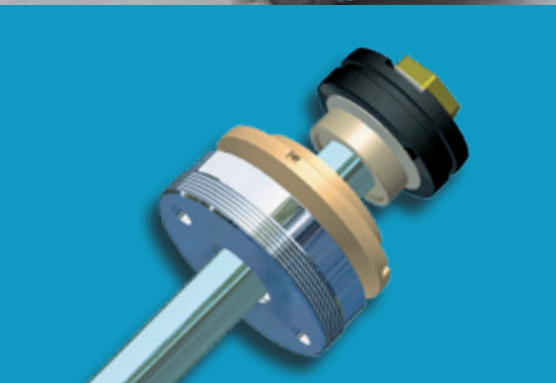


Testing & Statistics

With our extremely powerful testing devices we can perform demanding performance and durability tests in any position and at any waveforms. Our servo-hydraulic test systems can perform tests up to 50kN forces with velocities from 0.001m/s up to 5m/s. Tests can be performed also in cold conditions and the specimen can be cooled down to -60°C.



Testing Devices



Every shock absorber is tested in accordance with SV's high quality standards before it leaves the factory.



Properties & Technical features

- + Low friction and a very long-life piston rod seal
- + Strong and robust construction for extended operational life
- + Noise-free valving in all dampers
- + Valving designed for comfort, safety and steady operation in all conditions



A/S Bevola has chosen SV!

A/S Bevola is the Nordic general agent for ROR and Assali Stefen trailer axles with their central warehouse located in Växjö. Bevola decided to upgrade its Nordic axle specification by choosing SV shock absorbers as a standard equipment for its OE trailer axle program. "It was a decision made out of the true believe in the performance of the excellence of the SV shocks," says Product Manager **Stefan Nilsson**.

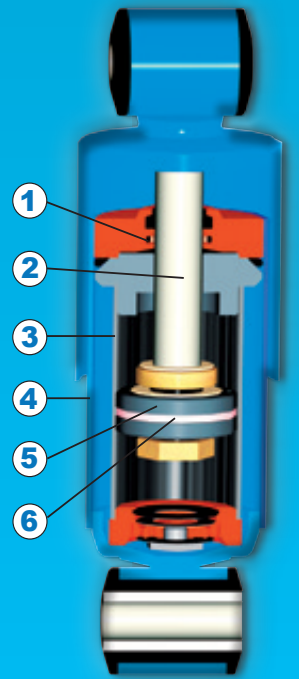


Rába is satisfied with SV's quality!

RÁBA automotive group has many years of experience and tradition in the scope of vehicle manufacturing. The company was founded already in 1896. "We use SV shock absorbers in our midi buses and we are fully satisfied with SV's quality", says Head of After Sales Service **Attila Németh**.



1. **Self-regulating gasket**
 - special material which accommodates to the abrasion
2. **Piston rod Ø 20 mm, Chrome plating 25 µm**
 - high tensile strength and maximum protection against wearing
3. **Cylinder tube Ø 50 mm, 2 mm thick**
 - low working pressure, no changes in shape
4. **Reservoir tube wall, 2,5 mm thick**
 - good resistance against corrosion
5. **Piston**
 - individually adjusted so that the necessary characteristics are achieved
 - the design protects against high pressure and pressure peaks
6. **Piston ring**
 - a low friction design that compensates for temperature changes



Veho Group Oy Ab

was established in 1939 for distribution of **Mercedes-Benz** in Finland. Today both Mercedes-Benz personal cars and commercial vehicles are imported and distributed in Finland by Veho Oy Ab.

"We have installed lifting shock absorbers in Mercedes-Benz Actros and Arocs vehicles fitted by Mercedes-Benz Molsheim. The first lifting shock absorber kit was installed in March 2014 and the feedback from the end user has been positive. Both regarding the actual function of the lifting device and also regarding the small space needed for the system compared to the traditional air bellow system", says Product Manager **Staffan Nyberg**.

Granning trusts in SV-Shocks!

Granning UK Ltd and Granning Ireland Ltd, notable producers and suppliers of axles and spring suspension systems for heavy duty have been using SV shock absorbers in their suspensions since the beginning of the year 2000. "We are very pleased with the characteristics and the quality of the shock absorbers", says Director **Derek Whelan**.



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