

ISV-SHOCKS®

Made in
Finland



Longlife dampers for a smooth journey



**HIGH QUALITY
DAMPERS AND
SHOCK ABSORBERS**

Railway

FEATURES FOR HASSLE-FREE TRANSPORT

- Low friction and a very long-life piston rod seal, with multiple seal lips
- Non-metallic contact between moving parts, which results in reduction of wear
- Strong and robust construction for extended operational life
- Repairable design is available
- Highest quality silent blocks
- Noise-free valving in all dampers

RAILWAY HORIZONTAL AND VERTICAL HYDRAULIC DAMPERS

Designed for higher railway speeds and passenger comfort

As a result of demands for higher railway speeds and passenger comfort, hydraulic dampers are more important than ever. Horizontal and vertical damping plays a key role in the achievement of stability and the reduction of vibrations by transforming kinetic energy into thermal energy.



RAILWAY SHOCK ABSORBERS FOR PRIMARY AND SECONDARY SUSPENSION

We specialise in railway dampers and shock absorbers for challenging conditions where variable amplitudes, higher velocities, accelerations and challenging environmental conditions are confronted.

In these applications the ultimate performance and long service-life of SV railway shock absorbers excel.



OUR RAILWAY SHOCK ABSORBERS AND DAMPERS

- Primary and secondary suspension (horizontal and vertical)
- Yaw dampers
- Roof dampers
- Pantograph dampers
- Special applications



The ultimate performance and long service life

SV-Shocks production and design skills enable us to produce a large variety of railway dampers in large or short production runs.

We can manufacture shock absorbers for every purpose, ensuring that the specific requirements of all customers are met quickly and efficiently. SV-Shocks is committed to the delivery of reliable products to the market.

SV-Shocks has a broad industry experience and a worldwide reputation for reliable and long-life products, meeting the needs of even highly customised applications.

TAILORED SOLUTIONS FOR YOUR SPECIFIC NEEDS

As a flexible manufacturer and a pioneer in valve technology we are able to produce tailored products according to local needs.

TESTED TO MEET OUR HIGH QUALITY STANDARDS

SV railway shock absorbers are well known as high-quality products. Every shock absorber is thoroughly tested before it leaves the factory to meet our highest quality requirements.

Our high quality products provide a safe and maintenance free operation until the next planned major overhaul of the bogies.

Hassle-free Quality Made in Finland

Our production plant is located in Järvenpää, in southern Finland. SV-Shocks is a quality orientated company and we have been certified according to ISO 9001, ISO 14001, ISO 3834 and EN 15085.



GLOBAL SUPPLIER

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

MILITARY

AGRICULTURE

RAILWAY

TRANSPORT

INDUSTRY

DAMPERS AND SHOCK ABSORBERS FOR HEAVY USE

SV-Shocks Ltd is a traditional shock absorber and damper manufacturer. We have produced and designed shock absorbers over 50 years.

We design and manufacture industry-recognised shock absorbers for railway, heavy-duty vehicles, including trucks, trailers, buses, military vehicles and industrial purposes.

THE NEW STATE OF THE ART TEST SYSTEM

SV-Shocks has invested in a completely new state of the art test system and upgraded all existing test systems. With our powerful testing devices we can perform demanding performance and durability tests in any position and at any waveforms.

We make tests up to 50kN forces with velocities from 0.001 m/s up to 5 m/s.

COMPREHENSIVE TEST SERVICE FOR SHOCK ABSORBERS

We also offer testing services for railway shock absorbers and dampers of other brands; if you have testing needs please contact us for more information.

SV-SHOCKS®

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