

HYDRAULIC DAMPERS

Hydraulic dampers are an integral & important part in damping systems for passenger cars, locomotives and vehicles. Dampers play an important part in governing dynamic characteristics and safety of trains. That is why the requirements for reliability and quality of dampers are very high.

The damper developed by SEQUOIA meets all the modern requirements for high-speed traffic safety. Design and production of hydraulic dampers for Railways and Defence is our main activity. We are constantly developing in this sphere to become a leading Manufacturer of safe and Durable products of outstanding quality and performance.

PRODUCT RANGE

- Primary Vertical Dampers
- Secondary Vertical Dampers
- Secondary Lateral /Horizontal Dampers
- Yaw Dampers
- Intercar Dampers
- Metro Dampers
- Pantograph Dampers



Reliable Damping Solutions for High-Speed and Heavy-Duty Transport

DAMPER SIZES

- Tube Ø 70 mm to Ø 110 mm
- Mounting length 300 mm to 1200 mm.
- Mounting PCD Ø 90 mm to Ø 180 mm.
- Silent block/ spherical block with PCD Ø 90mm to 180mm.



TYPES OF MOUNTING

- Rubber disc
- Silent block/ spherical block.
- Articulation bearing
- Rubber molded bushes.
- Rubber flange type.

CAPACITY

- Primary vertical damper 100 Kgf to 1200 Kgf at velocity up to 0.3m/sec
- Secondary vertical dampers 100 Kgf to 2500 Kgf at velocity up to 0.3m/sec
- Secondary Lateral / lateral dampers 100 Kgf to 2000 Kgf at velocity up to 0.3m/sec
- Yaw dampers 100 Kgf to 2500 Kgf at velocity of 0.01 m/sec to 0.3/m sec.
- Anti yaw damper of intercar with max. length (Lmax) of 1400 mm.
- Metro damper 100 Kgf to 2500 Kgf at velocity up to 0.3m/sec.
- Tailor made dampers engineered to customer's requirements.

Building Dependable Damping Systems Through Quality & Rigorous Testing

MANUFACTURING AND TESTING FACILITY

- Servo Hydraulic performance cum endurance testing machine with max velocity up to 0.6 m/sec
- Conventional testing machine.
- Semi-automated Assembly line.
- Welding In-house facility
- UTM for Tensile testing.
- Ultrasonic and Jet cleaning system
- Hydraulic presses
- Conveyorized Painting Facility
- Leakage testing In-house Facility



FEATURES

Custom Design - Our shock absorbers are custom designed for a wide array of unique rail applications, taking into consideration damping force characteristics, end mountings, family sizes and etc.

Construction - Innovative products for double acting devices, telescopic rails and hydraulics are under constant development and improvement.

Durability - Our shock absorbers provide extended intervals of overhaul that lead to reduced maintenance costs.

Flexible Reconditioning - Designed for easy and trouble-free maintenance, the reconditioning of shock absorbers and oil dampers is available on-site. Sequoia also provides complete reconditioning kits and services with fundamental components including tooling, and fixtures.

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APPLICATION

- Locomotive (Electric & Diesel)
- Passenger coaches
- LHB coaches
- Vande Bharat
- Intercar
- Metro

ADVANTAGES

- Durable service life
- Convenient, reliable, and robust refurbishments
- Stable damping characteristics even under maximal load capacity
- Mass standardization due to modular designs
- Simple and easy installation

Contact Us

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LINKEDIN



SURLON GROUP



SSPPL

SEQUOIA

SAFETY PRODUCTS

A Surlon Group Company

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Disclaimer: While information and recommendations are based on reliable experiments and data, accuracy cannot be guaranteed. Our products are sold without a warranty, and customers are advised to conduct tests for suitability. Original product appearance may slightly differ from images. Any dispute is subject to Delhi, India Jurisdiction only.

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