



## BRIEF INFORMATION

### CABIN SHOCK ABSORBER

- Optimized stability, control and comfort
- High performance level and durability
- Reduced maintenance costs
- Available for both spring and air bellows suspension systems

## PRODUCT FEATURES

### Design and function

The HELLA Cabin Shock Absorber is an integral component tailored for commercial vehicles, aimed at delivering a serene and comfortable driving experience.

The cabin shock absorber consists of several key components:

- **Mounts:** These attachment points secure the shock absorber to the vehicle's cabin and chassis.
- **Piston and Piston Rod:** Essential for the shock absorber's operation.
- **Cylinder:** The main body of the shock absorber, housing the piston and hydraulic fluid. It is divided into two chambers by the piston.
- **Hydraulic Fluid:** This fluid absorbs and dissipates energy from shocks and vibrations. As the piston moves, it forces the fluid through small orifices, creating resistance and damping motion.
- **Valves:** These control the flow of hydraulic fluid between the chambers.

- **Coil Spring or Air Bellow:** In some designs, a coil spring or air bellow supports the cabin's weight and absorbs larger shocks.

Constructed with premium materials and meticulous engineering, the HELLA Cabin Shock Absorber stands as a paragon of durability and steadfast performance. It transcends its primary function by not only facilitating a more agreeable journey for drivers but also by diminishing the strain on additional cabin elements, which culminates in an extended lifespan for the vehicle and a decrease in maintenance expenditures.

Optimal for commercial vehicles in pursuit of sturdy and reliable solutions, the HELLA Cabin Shock Absorber embodies a dedication to excellence and comfort on the move.

### Installation

Easy to mount due to 1:1 replacements in OE Quality

## APPLICATION EXAMPLES



- Commercial vehicles are equipped with two distinct types of cab suspension systems: air bellows suspension and helical spring suspension. Each of these systems offers unique benefits and is designed to cater to different driving conditions and vehicle requirements. Recognizing the diverse needs of Commercial vehicle operators, we have developed and incorporated specialized cabin shock absorbers into our product lineup.
- Our cabin shock absorbers are crafted with precision and durability in mind, ensuring they can withstand the rigorous demands of long-distance travel and heavy-duty usage. these shock absorbers are essential components that significantly reduce vibrations and absorb the impact of uneven road surfaces. By doing so, they enhance the overall comfort and stability of the vehicle's cabin, providing a smoother and more enjoyable ride for drivers and passengers alike.
- In addition to improving ride comfort, our shock absorbers play a crucial role in maintaining the structural integrity of the vehicle's cab. they help to minimize wear and tear on other components, thereby extending the lifespan of the vehicle and reducing maintenance costs. Whether your Commercial vehicle is traversing highways or navigating rough terrain, our cabin shock absorbers are designed to deliver optimal performance and reliability.
- By integrating these advanced shock absorbers into our product range, we are committed to offering solutions that meet the highest standards of quality and performance. our goal is to ensure that every journey, regardless of distance or road conditions, is as comfortable and safe as possible for those behind the wheel.

# TECHNICAL DETAILS

Technical data	
Vibration resistance according to IEC 68-8-64	Yes
Installation location	Between chassis and cabin
Operating mode	Mechanical or Pneumatic

