



# ELECTROMECHANICAL PARKING BRAKE (EPB) STAND EDUCATIONAL

A5

Product number  
MSEPS01

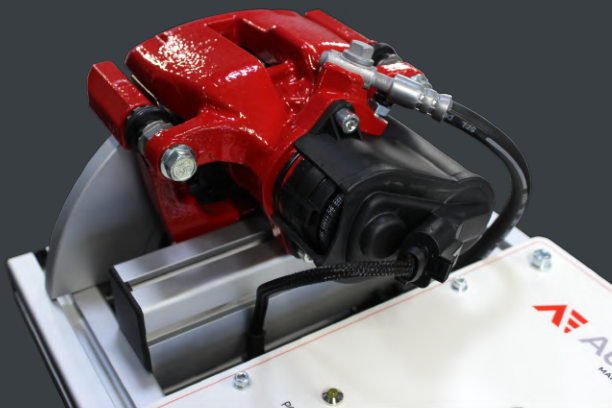


Fully functional electromechanical parking brake with multi-stage gear mechanism, electric motor, and hydraulic braking system, this trainer demonstrates the operation and components of a modern parking brake system. With visible cutaways and functional elements, it offers clear, practical insights into the workings of electromechanical parking brakes.



## Features

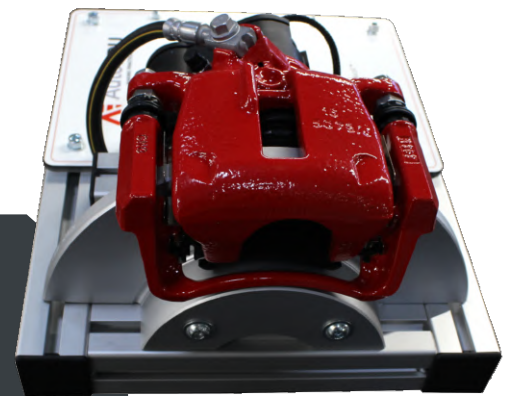
- Visible and operational multi-stage gear mechanism with electric motor and belt drive, allowing detailed observation of gear interactions.
- Includes a rear disc, caliper, and brake pads, demonstrating the hydraulic aspects of the parking brake system.
- Operates 220V, with dedicated electrical buttons for engaging and releasing the brake.
- Provides a clear view of internal gear mechanisms for educational purposes.
- Equipped with buttons for pressing and releasing the parking brake, facilitating practical demonstrations of brake operation.





## Value for Students

- Study the fully functional multi-stage gear mechanism and electric motor with belt drive and swashplate gear. The cutaway design allows for clear observation of internal operations and gear interactions.
- Engage directly with the electromechanical parking brake system by pressing and releasing brake pads via electrical buttons.
- Gain experience with key OEM components, including the brake caliper, disc, and electric drive, to understand their roles and interactions within the brake system.
- Learn the principles of electromechanical brake operation, including the activation and deactivation mechanisms controlled by electrical signals.
- Observe the system's safety features, such as overload protection during prolonged operation, and understand troubleshooting procedures for common issues related to brake engagement and release.



## Value for Instructors

- Provides a clear, visual representation of the electromechanical parking brake system, enhancing teaching effectiveness by demonstrating both theoretical and practical aspects.
- Facilitates interactive learning with functional electrical buttons for brake engagement and release, offering a hands-on approach to understanding brake mechanics.
- The cutaway design and fully operational components make complex concepts accessible and easy to explain, improving student comprehension.
- Constructed for educational environments, with robust materials and safety features to ensure reliable operation and longevity.

## Specifications

- Power Supply: 220V (110V US)
- Weight: approx. 20 kg (44 lb)
- Product number: MSEPS01

