



Description

- A fully functional system with ABS
- Brake booster, front and rear discs with calipers, cross diagonal hydraulic circuit, hand brake
- Diagnosis through OBD 16 pole diagnostic socket
- Driving simulation
- 4 measuring gauges
- Mobile, with 4 casters

A fully functional, cross diagonal, hydraulic braking system with ABS is installed in a mobile solid frame. The training brake rig is specially designed to demonstrate a hydraulic braking system with an electronic ABS system and brake booster. The educational automotive training stand is based on Audi/VW components. The trainer is equipped with a functional ABS braking system and demonstrates different operation modes.

The training brake rig is a great educational tool that allows students to learn the structure of the hydraulic braking systems, study its components, perform various measurements, tests, and other service and diagnostic procedures.

The training brake rig can be used as a visual aid for students of mechanical subjects to demonstrate and explain the structure and components. Also, an automotive training stand can be used as educational equipment for brake system repair and service procedures.

Tesca training brake rig is equipped with an ABS modulator and brake booster. The increase of braking force after connecting the vacuum can be demonstrated using the brake booster.

With installed four pressure gauges it is possible to monitor the pressure in the brake circuit of each wheel. Simulation of blocking (slipping) wheel in a drive mode allows monitoring ABS system demonstration. Installed pressure gauges can monitor brake force distribution and foot brake pedal rejection when the ABS system is activated.

The training rig has an integrated OBD 16 – pin diagnostic connector that allows to connect with the diagnostic tool and perform various measurements, tests, and other diagnostic procedures such as reading fault codes, displaying the parameters of the operating system, and others. Equipment for technical and vocational automotive education and training.

Technical Specifications and Functions

- Clearly visible fully functional braking system and its components
- Cross diagonal hydraulic braking system with front and rear discs with calipers
- Functional parking brake
- Functional electronic ABS system
- Functional brake booster
- Installed pressure gauges can monitor the pressure in the brake circuit of each wheel;
- Driving mode simulation

Note: Specifications are subject to change.

- Brake rigs can be used for mechanical service and repair training
- On-board diagnostic capabilities
- Tesca brake rigs can perform all routine brake services like component replacement, adjustments, or hydraulic bleeding procedures

Control Unit Diagnosis

- Diagnosis of electronic ABS system through OBD diagnostic connector
- Electronic control unit (ECU) identification
- Reading/erasing fault codes
- Displaying the parameters of the operating system (live data)
- The air bleeding mode in a braking system

Other

- Power supply: 12 V from the battery (not included as standard accessory)
- Dimensions (height x length x width) 1250x1000x750mm
- Nett weight approx.: 99 Kg
- CE certificate

Optional Accessories

- 12 V Battery
- OBD Diagnostic scan tool
- Standard tool kit for a mechanic
- Special tools for brake system repairs
- Vacuum pump

Tesca training equipment is a great tool for professional teachers and technicians that helps explain to students of technical subjects how processes in Brake rigs trainer MSSS01 Tesca operate and its technology.

Note: Specifications are subject to change.