

BUFFER TESTING STAND



BUILT TO LAST



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BUILT TO LAST

BUFFER TESTING STAND

The Buffer Test Stand is designed for to perform static test of solid elastomer and rubber buffers, ring springs buffers, hydrodynamic or hydrostatic buffers. Software allow to control the test stand, aid in test data analysis. Operator of the Buffer Test Stand can program himself new test procedures, add or change buffer parameters or create test reports.

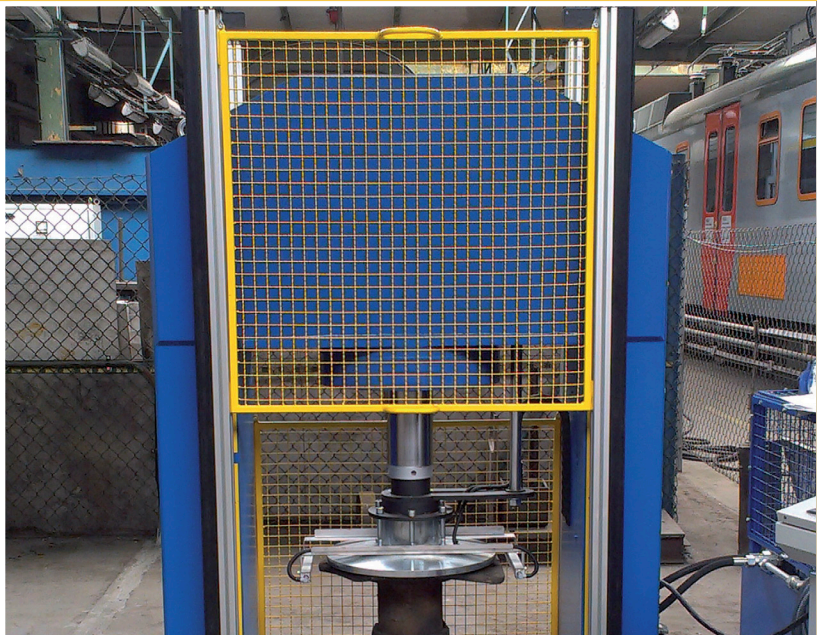
FEATURES

- Testing in automatic mode,
- Laser measurement of free state height of the buffer,
- Measurement of preload buffer force,
- Measurement of buffer force under pre set deflection,
- Measurement of the maximal deflection,
- Calculating of absorbed and dissipated energy of the buffer,
- Stability test is carried out in bumpers with a hydrodynamic or hydrostatic system - option,
- Force-stroke diagram report,
- Operator implement pre-programmed test modes, set tolerances,
- Collect and save measurement data, create reports as PDF or measurement files. Aid in data analysis.

COMPONENTS

- Closed steel frame is designed to support of all main components,
- Load cells are built inside stainless steel material,
- Linear position sensor are installed inside the hydraulic cylinder,
- Mobile table for easiest loading/unloading process,
- Electrical cabinet with control panel, PLC controller, built in computer with a database and printer,
- Hydraulic unit,
- Emergency stop and safety crates.

CHARACTERISTICS	DATA
Axial test load (maximum)	1000 kN
Actuator stroke	450 mm
Measurement error of applied load	0,1 kN
Measurement accuracy of vertical movement	±0,1 mm
Loading and & unloading table	available



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