



BL – Brake Function Roller



Combination brake and performance test stand for various type, function, and quality tests on three and four-wheel forklifts and small wheel loaders in research and development.

ADVANTAGES

- Traction determination with increasing/decreasing load
- Determination of the traction hysteresis with load change
- Determination of vehicle losses
- Determination of the starting traction
- Testing of the hydrostatic brake effectiveness
- Special easy handling test routines for hydrostatic drives
- Determination of the driving resistances in consideration of driving pressures
- Load simulations
- Road simulation (driving resistances, mass simulation and inclines)
- ABS test
- ASR test
- Speed test
- Recording of driving pressures with each test
- Freely definable test screens



DESCRIPTION

The roller set halves of the front axle are each equipped with a drive brake motor. The test stand roller synchronization is completely electronic with appropriate synchronization control. The energy absorbed in braking operation (load simulation) is fed back into the power supply. The test stand power balance is thereby optimized, and the operating costs lowered. A combined holding and load device is used for vehicle fixing on the roller set, whereby weight load can be additionally simulated.

TECHNICAL DATA

Roller geometry:	Asymmetric
Roller diameter:	200, 265 or 318 mm
Test speed: max:	max. 45 km/h
Axle load: max.:	max. 6,000 kg
Absorbable vehicle power:	max. 80 kW
Traction per wheel:	max. 15 kN
Traction total: max.	max. 30 kN
Overload Operation:	
Traction per wheel max.:	max. 20 kN
Traction: total max.:	max. 40 kN



Improving the Environment through Technology