

Brake-Performance-Roller-Test Stand for Forklifts (End-of-Line)



AIP-BL



The AIP-BL test stand is a combined brake-performance roller test stand especially designed for model-, quality- and end-of-line tests.

Brake tests examples

- Service brakes, parking brakes
- Single wheel switch
- Measurement values: brake force left / right, imbalance, roller resistance, pedal force left / right

Performance tests examples

- In driving mode (reference input speed and traction)
- In standstill mode (measurement of starting torque)
- Measurement values: speed, traction with force direction, wheel power, driving direction, traction current, lift force, etc.



Test Stand Components

- **Double roller set in asymmetric version (suitable for three- and four-wheel forklifts)**
 - Two drive machines for the brake test (disengaging)
 - Eddy-roller brake for conducting performance tests
 - Lifting bar between the rollers with integrated sensor roller for slip recognition
 - Rollers connected via tooth belts
 - Color monitor for the clearly visualizing the easy to handle, menu driven test program
 - Swivable operation console for keyboard, protocol-strip-printer, pedal force meter and traction current measurement pliers
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- Test protocol for documentation of test results
 - PC with database for filing measurement results

Options:

- Automatic roller cover -> high safety level
- Weight simulator with integrated lift force measurement
- Pull-down device for battery weight simulation, adjustable load

Technical Data

Axle load	10 t
Roller diameter	200 mm
Roller axle separation	330 mm
Roller inside edge	250 mm
Roller outside edge	2.200 mm
Roller setup, asymmetric left / right	1.135 / 815 mm
Roller surface	fluted
Tire diameter	min. 425 mm
Lift force of lifting bar	max. 6.000 kg
Weight simulator	max. 6.000 kg
Pull-down device, adjustable	600 / 900 kg
Operating temperature (standard)	+ 5 °C ... + 45 °C
Brake test	
- motor drive power	2 x 11 kW
- test speed	5 km/h, 10 km/h
- brake force measurement range per wheel	max. 15kN at 5 km/h
Performance test	
- wheel power	max. 30 kW
- test speed	max. 30 km/h



Competent Testing Technology for Cars, Trucks, Motorcycles, Tractors, Forklifts, etc.

- Emission Chassis Dynos 48" / 20"
- Performance Roller Test Stands
- Function Roller Test Stands
- End-of-Line Test Stands (DVT)
- Air Stream Fans
- Heavy Duty Mobile Vehicle Lifts
- Test Stand Design

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