



Hub/Wheel Bearing Test System Model 3546 with Thermal and Spray Systems

The LINK Model 3546 Hub and Wheel Bearing Test System is designed to reproduce the forces acting on wheel bearings as seen in vehicles by controlling the magnitude of the cornering forces and radial forces. The axial and radial load apply systems utilize hydraulic cylinders.

The control system maintains a constant force on each load apply system while rotating the test part at the desired test speed. The test is complete when either the test part fails or the required number of rotations is reached.

This machine is unique in that water, mud and other slurry mixtures can be sprayed on the bearing during testing. Additionally the test enclosure is thermally insulated for cold weather environmental testing.

Features

- Axial load in both forward and reverse directions
- Radial load
- Guarding for rotating components
- Vehicle rolling radius adjustment
- Displacement measurement

Options

- Environmental Conditioning Unit
-15°C to 150°C
- Water and mud slurry spray
- Cold water intrusion fixture

Typical Specifications	
Control System	ProLink
Maximum Radial Load	32,000 N
Maximum Axial Load	24,000 N
Maximum Speed	2000 rpm
Vehicle Radius Rolling Range	Min 280mm Max 410mm



Disclaimer:

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Equipment pictured in this brochure may be shown with safety equipment removed or disabled for purposes of illustration. Equipment must never be operated with safety equipment removed or disabled.

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