



Biaxial Wheel Tester Model 3536



The Model 3536 Biaxial Wheel Tester performs wheel and hub durability tests in a laboratory setting. It is an efficient and easy-to-use tool that simulates actual driving conditions for vehicles from passenger cars to light trucks and SUV's.

Innovative use of electric servo motors, ball screw actuators and a multi-axis force transducer enable Link's proprietary Moment Control* method to deliver higher levels of accuracy and repeatability, while shortening test time.

ProLink™ software handles machine operation, data acquisition, post processing and report generation. The intuitive and flexible operator interface contributes to improved testing effectiveness.

System Features

- Link's proprietary Moment Control* system is more accurate and repeatable than the traditional independent control of radial force, lateral force and tilt angle.
- Electric servo motors and ball screw actuators (no hydraulics) reduce noise and minimize maintenance.
- A multi-axis force transducer, mounted directly behind the test part, enables precise measurement of forces and moments.
- An automatic tire pressure system maintains preset pressure.
- Sensors automatically measure tire width and tire diameter.
- High drum speed results in shorter test times.
- ProLink™ software provides fully automatic, unattended operation or manual operator control, as well as, real time data acquisition, review and report generation.
- Network capability allows remote test monitoring and report printing.

Typical Specifications	
Drum Diameter	970 mm or 1050 mm
Drum Width	340 mm (between curb rings)
Maximum Activator Load Forces	
Radial	+/- 40 kN maximum
Lateral	+/- 25 kN maximum
Actuator Strokes & Angle	
Radial	250 mm
Lateral	250 mm
Camber Angle	+20° to - 20° ± 0.05 °
Drive Motor	55 kW (74 HP)
Speed	183 kph with 970mm drum 198 kph with 1050 mm drum

Disclaimer:

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