

Dynamic Research, Inc.

MOBILE TIRE TESTER

Dynamic Research, Inc. (DRI) has specified, designed, constructed, and reduced to practice a variety of special purpose test devices, to support our applied research activities. This includes the DRI Mobile Tire Tester. It can be used to measure tire forces and moments (in 6 DF) under realistic operating conditions of vertical load, slip angle, camber angle, and slip ratio to provide the parameters for various tire models, for example Pacejka, to be used in vehicle dynamic simulations.



Specifications

- Slip angle: -10 to 30 deg
- Camber angle: 0 to 20 deg
- Slip ratio: -1 to 2.5
- Constant vertical load: 50 to 550 kg
- Adaptors for various bolt patterns and wheel offsets
- Speed: 0 to 100 km/h
- Accelerating and braking torque: 800 N-m
- Suitable for on highway or off road operation

DRI specializes in applied research, development, and consulting in the areas of vehicle dynamics and control, man-machine systems, human factors, biomechanics and structural mechanics. For further information please contact us at 310-212-5211, visit our web site at www.dynres.com, or email us at info@dynres.com.