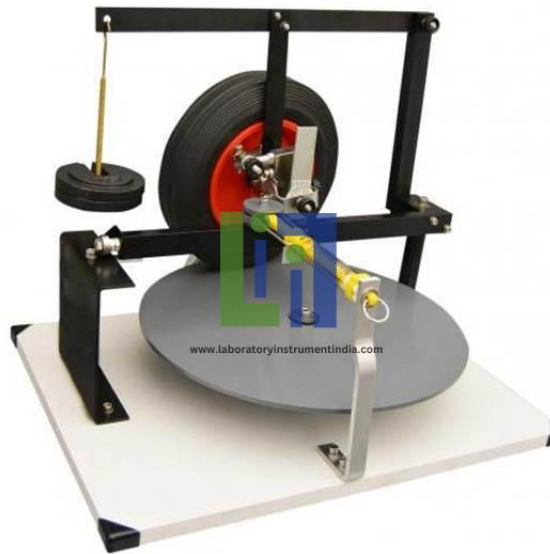




Email : sales@laboratoryinstrumentindia.com

Product Name :
Castor Camber King Pin Inclination

Product Code :
LBNY-0005-1400022



Description :

The apparatus shows precisely how Castor Camber King Pin Inclination are set up and how centre point steering is achieved. A wheel and means of altering the offset are included so that everything affecting centre point steering can be varied.

A hand driven rotating turntable simulates a rolling road, and may be turned at a slow enough speed to study wheel stability under running conditions.

Students often experience difficulty in understanding the principles of front wheel set-up on road vehicles, since the geometry involves angles in three dimensions. Vernier scales measure the Castor Angles And King Pin Inclination, while toe in and camber angles are measured from a longitudinal and vertical datum in the way in which they would be determined on a real vehicle.

Experimental Capabilities:

To demonstrate the effect of wheel offset

To observe the dynamic stability of the wheel under running conditions

To show how castor, camber and king pin inclination are set up

To show how the steering linkage is related to toe-in.

Technical Specification :

Inclination protractors 1.0 degree resolution

250mm diameter running wheel

Rolling road can be rotated at any necessary speed by hand.



Laboratory Instrument India