

Product Name :
Rolling Friction In Friction Wheels

Product Code :
ENGLABINGCAG6000001



Description :

Rolling Friction In Friction Wheels

Technical Specification :

Rolling Friction In Friction Wheels

In bearing and drive technology, dynamic friction occurs at the sliding and rolling points, which leads to power losses in the technical systems. Dynamic friction is differentiated into sliding, rolling and spinning friction. In dynamic friction, there is relative translation between the two bodies. Rolling friction occurs when two bodies roll on each other without sliding. In rolling friction, the rolling motion is superposed with a smaller sliding friction, known as slip. Rolling friction is therefore a combination of rolling and dynamic friction.

Learning Objectives And Experiments

Together with the drive unit

Determine the frictional forces as a function of load, lubrication and operating speed

How slip affects the frictional force

Determine the coefficients of friction

Frictional forces between two rolling friction wheels

How slip affects the frictional force

Use of different lubricants possible



Engineering Lab Equipment India