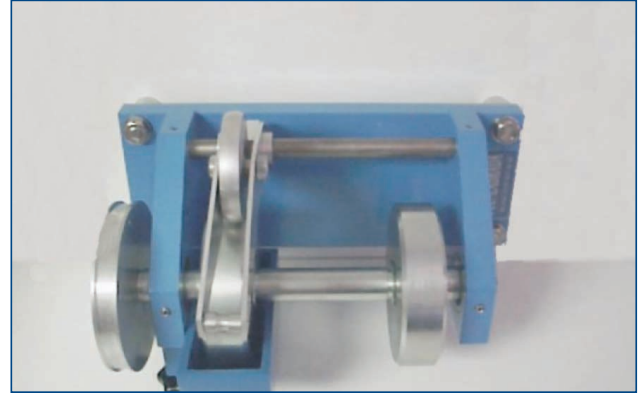


INTRODUCTION

The friction study equipment allows to study a phenomenon which is continuously present in nature.

Friction is a physical phenomenon by which two mobile surfaces in contact tend to stop. This leads to a surfaces wear and so to an energy loss. This is the reason why it is a phenomenon to be taken into account when studying a system.



Forces between surfaces, their state, the kind of material and the environment where the friction takes place (dry or wet) will determine the coefficient of friction, by which the friction force is calculated.

DESCRIPTION

The **Friction Study Equipment** allows to illustrate the friction force by simple demonstrations.

It is designed for the study of the relations between friction forces and normal forces, between hard or soft surfaces, between lubricated or dry surfaces and between rolling surfaces for several types of materials.

The equipment is composed of:

- Roller and brake set.
- Several materials cushions set.
- Weights set.

The weight makes the roller set turn while another weight exercise some pressure on the brake, the relation between both of them determines the coefficient of friction for different materials and different operational conditions.

PRACTICAL POSSIBILITIES

Investigate the relations between the friction forces and normal forces between surfaces in contact.

Compare the values between dry surfaces in contact using several materials, by the sliding coefficient.

Compare the friction values for dry and lubricated surfaces.

Compare the friction force for sliding surfaces with rolling surfaces.

Compare the friction force of soft and hard rolling surfaces.

ESPECIFICACIONES

The equipment has the following elements:

- Bedplate
- Friction rollers.
- Brake mechanism.
- Movement pulley.
- Friction cushions set.
- Weights set.
- Equipment manual.

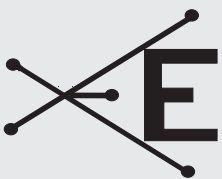
SIZE AND WEIGHT

- Equipment size: 400 x 260 x 250 mm. aprox.

- Aprox.net weight: 14Kg.

Nota: Nuevo catálogo disponible en breve

* Especificaciones sujetas a cambio sin previo aviso, debido a las mejoras continuas del producto.



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