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Product Name :
Wheel and Axle Apparatus

Product Code :
SCHOOL-APL800028



Description :

Wheel and Axle Apparatus

Technical Specification :

The model demonstrates the conditions of equilibrium on a differential pulley block.

Easy to interchange weights permit the load to be varied such that equilibrium is obtained.

Three anodized aluminium pulleys of different diameter are fitted to a shaft mounted on ball bearings.

The forces act, on the one hand, directly on the peripheral of the largest pulley, on the other hand, via a loose pulley on two smaller pulleys.

The model is intended for wall mounting.

Equilibrium of forces

Equilibrium of moments

Relationship between force reduction and cord travel

Experiment on the equilibrium of forces and moments on a differential pulley block

3 pulleys made of anodised aluminium

2 sets of weights

Ball bearing mounted steel shaft

Anodized aluminum base plate

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