

Product Name :

Wheel and Differential Axle Apparatus

Product Code :

ALABS-A104-221

ALTEC™**Description :****Wheel and Differential Axle Apparatus**

The model demonstrates the conditions of equilibrium on a differential pulley block. Three anodised 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. Easy to interchange weights permit the load to be varied such that equilibrium is obtained. The model is intended for wall mounting.

Specification:

1. Experiment on the equilibrium of forces and moments on a differential pulley block
2. 3 pulleys made of anodised aluminium
3. 2 sets of weights
4. Ball bearing mounted steel shaft
5. Anodised aluminium base plate

Technical Data:

Pulley diameter

- D=250mm

- D=100mm

- D=50mm

Loose pulley

- D=75mm

Set of weights

- 2x 1N (hanger)

- 4x 0.5N

- 4x 1N

- 4x 2N

- 4x 5N

Base plate

- wxh: 300x250mm

- hole spacing: 280x230mm, D=10mm



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