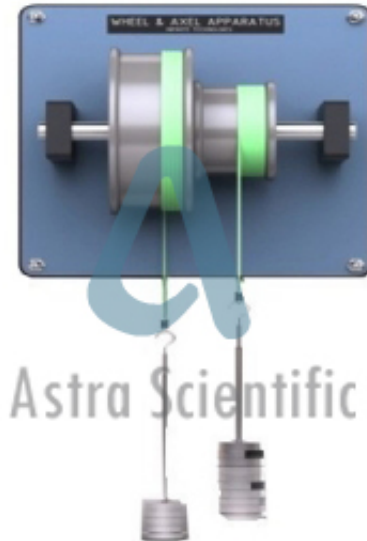


**Product Name :**  
Astra Scientific Wheel and Axle Apparatus

**Product Code :**  
Applied-Lab-0028



**Description :**

Astra Scientific Wheel and Axle Apparatus

**Technical Specification :**

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.

**Learning Objectives / Experiments**

- Equilibrium of forces
- Equilibrium of moments
- Relationship between force reduction and cord travel



## **Astra Scientific**

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