

**Product Name :**  
Whitworth Quick Return Apparatus

**Product Code :**  
APE-0029



**Description :**

Whitworth Quick Return Apparatus

**Technical Specification :**

The Whitworth mechanism is also known as the quick-return mechanism. It represents a revolving crank slider and produces non-uniform stroke movement with slow forward movement and fast backward movement. This mechanism is used in tools, packaging and transport machinery. The unit generates non-uniform stroke movement by means of a Whitworth mechanism. The experimental unit comprises the drive disk with crank and coupling, the driving rod and the cylinder. The angle is adjusted using the crank

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disk, and an angle scale is integrated into the base plate. A millimeter-precise steel ruler is attached to the cylinder to measure the stroke. The elements are mounted on a base plate. Two handles make it easy to carry and stack the unit.

Bench-top unit.

Anodized aluminum frame and panels made of painted steel.

Main metallic elements made of stainless steel.

This unit is composed of:

Rotary element (crank) with a graduated disc to read the angle.

Rigid bar (connecting rod) with a millimeter scale to measure the linear motion.

Two rigid bar for transfer motion.

All axles are equipped with ball bearings.

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