

Product Name :

Whitworth Quick Return Apparatus

Product Code :

ALABS-A136-001

ALTEC™**Description :****Whitworth Quick Return Apparatus**

Whitworth's quick return is used to generate uneven reciprocating motion with slow feed and quick return. This table model clearly demonstrates the transmission behaviour of such a layout. The input angle is set by turning the crank. The output stroke is read on a ruler on the slider. The transmission components are manufactured in aluminium. All axles are equipped with ball bearings. Due to its low weight, the unit is easy to carry using the two handles.

Specification:

1. Benchtop experiment on the uneven reciprocating motion of Whitworth's quick return
2. Crank radius 46mm, slider radius 55mm, connecting rod length 145mm
3. Slider crank and connecting rod mounted on ball bearings
4. lxwxh 360x280x60mm

Technical Data:

-Drive crank radius: 46mm

-Slider radius: 55mm

-Axle offset drive slider: 30mm

-Connecting rod length: 145mm



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