

Product Name :
Wheel And Differential Axle

Product Code :
ELABBTM002



Description :

Wheel And Differential Axle

Technical Specification :

Wheel And Differential Axle Features Low cost, effective teaching Self-contained Wall mounted Introduction to simple machines Determination of velocity ratio mechanical advantage and efficiency Simple wheel or differential axle machine Three year warranty Range of Experiments Experimental determination of velocity ratio and comparison with calculated values for simple wheel and differential axle machine Determination of variation with load of effort efficiency Limiting efficiency of the machine Description A PVC wheel of 190 mm diameter is integral with a differential axle of 114 and 38 mm diameters. The shaft runs in bronze bearings in a sturdy wall mounting bracket. The necessary cords and load hangers are provided and weights are included. An additional load hanger is supplied to enable the simple wheel and axle experiment htm2 to be performed This equipment is part of a range designed to both demonstrate and experimentally confirm basic engineering principles. Great care has been given to each item so as to provide wide experimental scope without unduly complicating or compromising the design. Each piece of apparatus is self-contained and compact. Setting up time is minimal, and all measurements are made with the simplest possible instrumentation, so that the student involvement is purely with the engineering principles being taught. A complete instruction manual is provided describing the apparatus, its application, experimental procedure and typical test results

Elab Engineering Equipments Manufacturers

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