

Product Name :
Efficiency Of Screw Threads

Product Code :
ELABBTM007



Description :

Efficiency Of Screw Threads

Technical Specification :

Efficiency Of Screw Threads Features Low cost, effective teaching Self-contained Wall mounted Introduction to simple machines Determination of velocity ratio mechanical advantage and efficiency Comparative efficiency of square and Vee form threads Three year warranty Range of Experiments Experimental determination of velocity ratio and comparison with calculated value Determination of variation with load of: effort friction efficiency Limiting efficiency of the machine Comparison of relative efficiency of Vee and Square thread forms Description This is a simple wall mounted apparatus supplied with three interchangeable screw and nut assemblies. Load is applied to a weight hanger attached directly to the screw and the effort torque is applied by a weighted hanger and cord passing over a low friction ball bearing pulley. 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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