

Product Name :
Cam And Follower Apparatus**Product Code :**
ELABBTM008**Description :**

Cam And Follower Apparatus

Technical Specification :

Cam And Follower Apparatus Features Low cost, effective teaching Self-contained Bench mounted Determines displacement diagrams Enables velocity and acceleration diagrams to be derived Many types of cam motion can be studied Four follower types available Three year warranty Range of Experiments To determine a graph of follower displacement against angular rotation of the cam To derive the velocity and acceleration diagrams, and determine the maximum acceleration of the follower To assess the effect of different cams and followers To compare experimental and calculated results

Description The displacement of an edge cam as it rotates through 360° is measured using a dial gauge. The angular position of the cam is shown on a graduated scale. A tangent cam with a 25mm diameter follower are supplied as standard, and other cams and followers are available as optional ancillaries, as shown in the specifications. A variety of set ups is provided by a knife edge or roller follower in combination with a tangent cam, a constant acceleration cam or a simple harmonic motion cam. A set of optional extras htm88j provides a flat follower, lever and offset fittings and two more cams (one eccentrically pivoted and one for uniform motion). 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