

Experiment No. 3

MEASUREMENT OF TAPER ANGLE USING SINE BAR

Aim:-

To determine unknown angle using sine bar.

Apparatus:-

Sine bar, surface plate, dial indicator, slip gauges.

Introduction:-

Sine bar is used in conjunction with slip gauges for precise angular measurement. Sine bar is used either to measure angle very accurately or face locating any work to a given angle. Sine bars are made from high chromium, corrosion resistant steel, hardened, ground and stabilized.



Figure: Sine Bar

Two cylinders of equal dia. are attached at ends. The axes of these two cylinders are mutually parallel to each other and also parallel to and at equal distance from the upper surfaces of the sine bar. Accuracy up to 0.01mm /m length of sine bar can be obtain.

Lab Manual For Sine Bar

JE Gale



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