

Product Name :
Astra Scientific Cam Mechanism

Product Code :
Applied-Lab-0003



Description :

Astra Scientific Cam Mechanism

Technical Specification :

Cam mechanisms are non-uniform translatable gears that help convert uniform rotating drive motions into non-uniform drive motions with or without latching. Generally speaking, cam mechanism consists of cams, engaging members and the frame. The desired movement path is defined by the geometry of the cam and produced by pressing a contour or a profile on the engaging member.

The unit is used to clearly demonstrate the function of a cam mechanism. Cams are available in different shapes. A roller plunger, flat plunger or cam follower can be used as the engaging member. The stroke is determined by measuring the travel. An angular scale indicates the corresponding angle of rotation.

Specifications:

function of cam mechanisms

4 different shapes of cam: circular arc, tangent, hollow or asymmetric

3 different engaging members: roller plunger, flat plunger or cam follower

cam and engaging member can be exchanged without tools

dial gauge for determining the stroke

angular scale for determining the angle of rotation

Technical data:

Angular scale

0...360°

graduation: 1°

Dial gauge for the stroke

0...30mm

graduation: 0,01mm



Astra Scientific

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