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Product Name :
Elastic Shaft Kit

Product Code :
LBNY-0005-10100033



Description :

This accessory set-up enables the response of an elastic rotor to unbalanced excitation to be studied. The field balancing of elastic rotors is another area which can be investigated. The supplied pendulum ball bearings ensure full mobility of the shaft. The subcritical, supercritical and resonance running states can be demonstrated. A comparison of the orbits (path curves) in the subcritical and supercritical range is of particular interest. The retainer bearing limits the amplitudes to harmless values at speeds close to resonance.

Technical Specification :

Investigation of flexural vibration of an elastic shaft
Bearing blocks and retainer bearing with bores for sensor mounting
Stainless steel elastic shaft
1 Retainer bearing
2 Bearing blocks with pendulum ball bearing
Stackable box for all components
Accessory set for machinery diagnostic training system.

Technical Data:

Elastic shaft
Length: 530mm
Min. diameter: $D=10\text{mm}$
Nominal length between bearings: 450mm
Diameter at bearings: $D=20\text{mm}$
Dimensions and Weight of Elastic Shaft Kit

l x w x h: 600x400x120mm (box)
Weight: approx. 6kg.



Laboratory Instrument India