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Product Name :	**Product Code :**
Hydrodynamic Journal Bearing	NLAB-ENGINEERINGLB17001

Description :

Hydrodynamic Journal Bearing

Technical Specification :

Hydrodynamic Journal Bearing Lab Equipments Manufacturer, Suppliers & Exporters

Journal bearings execute a sliding motion between a bearing journal and a bearing shell. This sliding motion is usually lubricated by an intermediate medium.

Hydrodynamic journal bearings give wear-free continuous duty for large diameters at high rotational speeds, and are suitable for high and shock-type loading. They are usually constructed as split bearings. Frictional heat occurring during operation must be dissipated by the lubricant.

The is a horizontally split hydrodynamic pedestal journal bearing. The bearing shells are supported from a face in the spherical bearing housing so as to ensure uniform transfer of any forces that arise to the bottom housing. The journal bearing is lubricated by a loose lubricating ring. Standard commercially available mineral oils can be used.

An auxiliary shaft is supplied together with the bearing as an aid to assembly and functional testing.

Specification

Learning Concept For Assembly Exercises On An Upright Hydrodynamic Journal Bearing

Stainless Steel Drive Shaft

Oil Lubrication

Floating Edge Seal To Seal The Face Of The Shaft

Sealing Of Contact Faces Of Housing Halves With Non-Setting Sealing Compound

Complete Assembly Tool Kit

Journal bearing parts and tools housed in a sheet-steel tool box .

Technical Data

Bearing bore: D=80mm

Drive shaft: nominal diameter: D=80mm

Materials

Bearing housing: grey cast iron

Bearing shells: steel supports, coated with white metal

Seal: ultra-heat-resistant, fibre-reinforced plastic

Shaft: stainless steel

Naugralabequipments

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