



JOURNAL BEARING

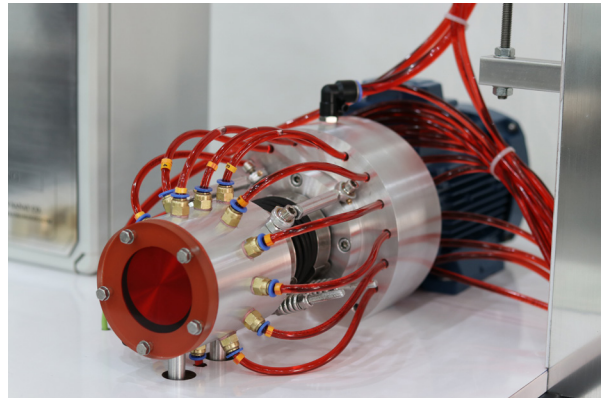
RD 206

Description:

A journal bearing simply consists of a hollow cylinder that is placed around an axis called a journal and is filled with a fluid (lubricant). The lubricating fluid creates a suitable environment to prevent metal-to-metal contact during bearing operation. The rotation of the axis inside the bearing creates an oil layer under the axis, which can be analyzed using the laws of fluid mechanics. This layer of oil, which is actually responsible for bearing the forces on the shaft by creating pressure, is deflected to the lower quarter of the left or right side of the bearing due to the rotation of the axis, which is left or right depending on the direction of rotation of the shaft.

Specifications:

- Variable Speed electro motor
- Shaft and Bush
- Manometer to measure oil pressure
- Oil reservoir tank
- Wheeled carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty



Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Observing the performance of a journal bearing
2. Investigating the pressure distribution in a journal bearing
3. Investigation of journal bearing pressure distribution under different loading conditions

Required For Operation:

- 220V Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



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Dimensions (L*W*H) mm: 800×700×2700

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