

Bimetal Sleeve Bearing

Bimetal bearings consist of two metal layers, typically steel and bronze or aluminum alloy. The steel provides strength, while the bronze or aluminum alloy offers wear resistance and low friction.



Overview

Bimetal Sleeve Bearing Technology

Bimetal sleeve bearings are advanced composite components engineered with a high-strength steel backing and a specialized bronze or aluminum alloy lining. This dual-layer construction delivers superior load-carrying capacity alongside excellent wear resistance and low friction performance. Designed for durability in demanding industrial environments, these bearings are an ideal solution for applications involving oscillating or rotating motion under high loads.

Technical Construction

Key Performance Properties

High Load Capacity • Low Friction • Wear Resistant • High Conformability

Material Composition

Steel Backing, Bronze Lining, Aluminum Alloy Lining

Applications

Industry Applications

- Automotive
- Construction Equipment
- Agricultural Machinery

Operational Suitability

0 High

Load Type

0 Low

Speed