

Self-Lubricating Alloy Sliding Bearing

These alloy sliding bearings are crafted from sintered metal powders, including iron, copper, carbon, and molybdenum. The porous compacts are saturated with lubricants, providing 14%-18% lubricant content at normal temperatures for smooth operation.



ADDITIONAL IMAGES



Product Overview

High-Performance Alloy Self-Lubricating Bearings

Engineered specifically for construction machinery operating under low-speed, heavy-load conditions, these alloy self-lubricating bearings provide a robust alternative to imported components. The sintered powder metal construction creates a porous structure saturated with lubricant, which automatically exudes to the surface during operation to prevent dry friction. By providing a buffering effect and reducing rigid collisions between machine components, these bearings significantly extend the service life of critical parts like arm bodies and hydro-cylinders.

Technical Specifications

Key Performance Features

- Self-lubricating during operation
- Buffering effect reduces wear and tear
- Prevents dry friction damage
- High porosity for lubricant retention
- Replaces imported components

Material Composition	Iron (Fe), Copper (Cu), Carbon (C), Molybdenum (Mo)
Lubricant Content	16 %

Application

Recommended Applications

Construction Machinery • Arm Body Components • Hydro-cylinders • Heavy-load Equipment