

Self-Lubricating Bronze Bushing with Solid Lubricant Plugs

This self-lubricating bushing is constructed from a high-strength bronze alloy with embedded solid lubricant plugs. It excels in high-load, low-speed environments, providing continuous lubrication and reducing wear.



ADDITIONAL IMAGES



Product Overview

JDB-5 Self-Lubricating Bushing

The JDB-5 is a high-performance, self-lubricating bearing component engineered for heavy-duty industrial applications. Constructed with a reinforced base material and embedded solid lubricant plugs, it provides continuous lubrication and exceptional wear resistance without the need for external oil or grease. This bushing is specifically optimized for high-load, low-speed environments, making it an ideal solution for hoisting machinery, cranes, and construction equipment.

Technical Specifications

| | |
|---------------|-----------|
| Base Material | GCr15 |
| Base Hardness | HRC 58-60 |

Performance Metrics

Key Performance Limits

250 N/mm²

Dynamic Load Limit

70 N/mm²

Load Limit (1m/min)

0.1 m/s

Speed Limit

2.5 N/mm²*m/s

PV Limit

Friction Coefficient

0.17 ¼

Temperature Limit

350 °C

Application Guidelines

Suitable Applications

- Hoisting machines
- Windlass supports
- Crane stands
- Bulldozer supporters
- Hoister supporters
- Reeling machine supporters

Operating Limitations

Not for water use • Not for acid environments • Not for alkali environments