

Solid Lubricant Inlaid Bushing

This solid lubricant inlaid bushing is designed for maintenance-free operation and reliable performance. The bearing is suitable for high static and dynamic loads, with a low coefficient of friction.



ADDITIONAL IMAGES



Product Overview



Precision-engineered bushing with embedded lubricant plugs for continuous performance.

High-Performance Solid Lubricant Inlaid Bushing

This self-lubricating bushing is engineered for demanding industrial environments where maintenance-free operation is critical. By utilizing embedded solid lubricant plugs, the bearing forms a protective lubricating film under friction, significantly extending the service life of both the bushing and mating components. It is an ideal solution for machinery experiencing high loads, slow rotation, or oscillating movement, especially where traditional oil-based lubrication is difficult to implement or prohibited.

Operational Cost Metrics

1 None

Maintenance Requirements

Key Features



The inlaid structure ensures reliable performance in heavy-duty machinery.

Core Benefits

Maintenance-free, High load capacity, Corrosion resistant, Shock-absorbing, Wear resistant

Operational Capabilities



Engineered for high-temperature and harsh environmental resistance.

Suitable Operating Conditions

- Reciprocating, rotating, and oscillating movements
- High static and dynamic loads
- Dirty and contaminated environments
- High shock and edge loading scenarios
- Start-frequency movements where oil film formation is difficult

Friction Performance

Low coefficient of friction • Smooth operation • No stick-slip effects