

## Wrapped Bronze Sliding Bushing

This wrapped bronze bearing is constructed from CuSn8 tin-bronze with diamond oil sockets on the surface for enhanced lubrication. It excels in heavy load, low running velocity conditions, making it suitable for agricultural, construction, and engineering machinery.



### ADDITIONAL IMAGES



### Product Overview



### High-Performance Bronze Wrapped Bushings

The FB-090 series consists of high-density bronze sliding bearings designed for demanding industrial applications. These bushings feature diamond-shaped lubrication indentations or oil grooves on the inner surface to significantly prolong lubrication intervals and ensure smooth operation. They offer a cost-effective, lightweight alternative to traditional lathed bushings and roller bearings while maintaining exceptional load sustainability.

### Key Benefits

#### Performance Advantages

- Significant material savings compared to lathed bronze bushings
- Lubrication intervals extended up to 5 times via integrated grease storage dents
- Extremely high load sustainability for coarse abrasion surfaces
- High resistance to fatigue at elevated temperatures
- Excellent wear resistance in boundary lubrication conditions

## Technical Specifications



### Performance Metrics

**100 N/mm<sup>2</sup>**

Load Capacity

**2.5 m/s**

Max Sliding Speed

**1.6 N/mm<sup>2</sup>\*m/s**

Max PV

### Material Composition

CuSn8P0.3, CuSn6.5P0.1, Tin Bronze CuSn8

### Temperature Range

-40°C to 300°C

### Hardness

HB 90~120

### Friction Coefficient

0.08  $\mu$

## Product Variants



### Standard Product Forms

Straight Bushings • Thrust Plates • Pressure Bearings

### Custom/Non-Standard Forms

Planks • Bearing Bushings • Slide Plates • Steel Bushing Assembly

## Applications



### Common Applications

- Hoisting and construction machinery
- Automotive (Trucks, Tractors, Cars)
- Machine tools
- Mineral engines
- Agricultural machinery

## Design Details



### Lubrication Features

Diamond-shaped lubrication indents or rhomb oil holes for grease reservoir.