Sliding Bearings

Construction Machinery
The self-lubricating characteristics of the bearings provided considerable savings by expanded maintenance period and therefore make the machines working with higher efficiency.
**SF-1 Self-Lubricating Bearing**

- Max Load: Static Load 250N/mm²
- Rotating & Gyroscopic Load 60N/mm²
- Max Speed: 5m/s
- Friction Coefficient: 0.03~0.20
- Wear Depth Limit: 0.05mm
- Max PV Value: Dry Lubricating 3-5N/mm²
- Oil Lubricating 50N/mm²
- Temperature Range: -150°C ~ +260°C

This product takes the steel plate as the base, and with the sintering of bronze powder in the middle layer and rolling of the mixture of PTFE and Pb at its surface, it has the characteristic of small rubbing coefficient, wear-resisting and corrosion resisting, Long using time. The adoption of this product can reduce the cost of machine, reducing noises and negligible “stick-step”. It is widely used in printing machine, wearing machine, automobile, motorcycles and etc.

**SF-2 Border Lubricating Bearing**

- Max Load: Static Load 250N/mm²
- Rotating & Gyroscopic Load 70N/mm²
- Max Speed: 2.5m/s
- Friction Coefficient: 0.05~0.25
- Wear Depth Limit: 0.05mm
- Max PV Value: Dry Lubricating 3-5N/mm²
- Oil Lubricating 22N/mm²
- Temperature Range: -10°C ~ +130°C

This product takes steel plate as the base. With the sintering of bronze powder in the middle layer and rolling of the modified POM at its surface, it has the characteristics of good wear resistance and high load capacity. It is suitable for conditions which do not promote the formation of oil film oscillating movements, high load/low speed frequent, stop start or start up under load. It was widely used in forging machine, metalurgy & mining machine, hydroelectric industrial machine and etc.

**SF-S Double Metal Bearing**

- Max Load: Static Load 280N/mm²
- Dynamic Load 120N/mm²
- Max Speed: Oil Lubricating 3m/s
- Temperature Range: -100°C ~ +200°C
- Alloy Composition: CuSn7Pb5Sn0.7
- Brinell Hardness: HB80~100

SF-S Double Metal Bearing takes steel plate as the base and with the sintering of alloy of Sn and bronze on the surface, the bronze layer is sintered twice under high temperature and caledoned firmly on the top. The high bonding strength load capacity and fatigue make it with stand medium speed medium load and low speed high load conditions. It was widely used in the following fields as automobile engines, motorcycle clutch, Light mechanical machines civil engineering machines and so on.

**JDB Inlaid Solid Lubricating Bearing**

- Max Load: Static Load 150N/mm²
- Dynamic Load 60N/mm²
- Max Speed: Oil Lubricating 0.4m/s
- Max PV Value: Dry Lubricating 1.3N/mm²
- Friction Coefficient: 0.15~0.25
- Temperature Range: -100°C ~ +250°C
- Alloy Composition: H10C4
- Brinell Hardness: 208~200

This product base on alloy of bronze of special formula. The solid lubricating medium is inlaid in the friction surface and the friction area of the solid lubricating medium take over 20%. The combination of advantages of alloy of bronze and non-metal friction reducing materials has broken in the limit of general bearings that depend on oil film. It was widely used in metalurgy, steel rollers in metallurgy, mineral machines, strips gas turbine and etc.

**FB090 Bronze Bearing**

- Max Load: Static Load 300N/mm²
- Dynamic Load 150N/mm²
- Max Speed: Grease Lubricating 2m/s
- Temperature Range: -100°C ~ +200°C
- Chemical Composition: Cu9Sn
- Brinell Hardness: HB90~110

This products takes the bronze alloy of high density as the base and spheroidal or dimpled shaped indentations of grooves and oil holes could be processed on its surface. It has the advantages of high density, wear resistance. It was widely used in the field of hoisting machines, construction machines, mineral engines and etc.