

INTRODUCTION OF SELF LUBRICATING
SELF LUBRICATING – FREE COMPOSITE BEARINGS



LUBRICATING – FREE BEARINGS (DU)



The product uses steel plate as the base, the middle is sintered spherical bronze powder, the surface is rolled polytetrafluoroethylene (PTFE) and lead mixture, made by the rolling bearing. With a small coefficient of friction, wear resistance, good corrosion resistance and no oil lubrication characteristics.

Provide good self-lubricating, wear-resistant, low friction and other properties. The use of the product can reduce costs, reduce the mechanical volume, to avoid the phenomenon of bite the shaft and reduce the advantages of mechanical noise. It has been widely used in a variety of mechanical sliding parts, such as printing presses, textile machines, tobacco machines, fitness equipment, hydraulic trucks, micro-motor, automobiles, motorcycles and agriculture and forestry machinery.

Load capacity	140N/ mm2
Temperature limit	-195℃~+270℃
Speed limit	2 m/s
Friction clef	0.04~0.20
PV limit (dry)	3.6N/ mm2. m/s
PV limit (dry)	50N/ mm2. m/s

RECIPROCATING BEARINGS (CLASS DD)



This product is based on the shock absorber reciprocating motion and lateral force of the larger special conditions and the development of products. It can be used in rotation, swing, and reciprocating motion. Because it does not contain lead, it can be used in food machinery, medical machinery and other green environmental protection equipment. It has a very low coefficient of friction and good wear resistance, it can be used in semi-dry conditions. In addition to the characteristics of the standard self-lubricating bearings, it is especially suitable for reciprocating frequent and large lateral force occasion, or for automotive, motorcycle shock absorbers and various types of hydraulic cylinders and other products.

Load capacity	140N/mm2
Temperature limit	-195℃~+280℃
Speed limit	2.5m/s
Friction clef	0.04~0.20
PV limit (dry)	3.6N/ mm2. m/s
PV limit (dry)	50N/ mm2. m/s

SOLID OIL-FREE LUBRICATED BEARINGS (SBPP)



The product is based on a special formula alloy copper, inlaid with a special formula of solid lubricants, solid lubricant friction area of more than 20%. This copper alloy and non-metallic anti-wear materials advantages, break the limit of the general bearing to rely on the boundaries of oil film lubrication, achieving oil-free lubrication, It can be widely used in metallurgy, rolling equipment, ore machinery, boat machinery, steam turbines and so on.

Load capacity	150N/mm2
Temperature limit	-100℃~+300℃
Speed limit	1.5m/s
Alloy material	HBsC4
Alloy material hardness	>HB200
PV limit (dry)	3.3N/mm2.m/s
Friction clef	0.05-0.2

PTFE FLEXIBLE BELT BEARINGS



The product is based on bronze wire mesh, through special process, the surface rolling tetrafluoroethylene (PTFE) and other filled with friction material mixture. It has a low coefficient of friction, better wear characteristics. Because of its soft performance, you can do steel and steel on the grinding of the diaphragm, achieving no gap, no noise, no oil lubrication, no maintenance, and pollution-free ideal. At present, the product has been widely used in textile machinery, joint bearings, automotive door hinges and instrumentation, car joystick and other occasions.

Load capacity	30N/ mm2
Temperature limit	-40℃~+260℃
Speed limit	2.5 m/s
Friction clef	0.05~0.20
PV limit (dry)	1.65N/ mm2. m/s