***KML* Motion Industries CO., Ltd.**

Address: Rooms 2605-7, Saxon Tower, Cheung Shun Street, Lai Chi Kok, Kowloon, Hong Kong
Tel: 852-2425-1661
Fax: 852-2480-5866

***KML* Motion Industries (ShangHai) Holding CO., Ltd.**

Address: Room H, Floor 20, XinDongya Hotel, 238 Nandan Road East, Shanghai, China
Tel: 86-21-6468-6262
Fax: 86-21-6427-6197

***KML* Bearing (Xinchang) Company Ltd.**

Address:No. 5 Xia'an Road, Yulin subdistrict, Xinchang County, Zhejiang，China
Tel:86-575-8609-0285

***KML* Canada**

Address: 5586 Ambler Dr., Mississauga,Ontario, L4W 2K9,Canada
Tel:1-800-565-0044
Fax:1-905-629-2358

***KML* USA.**

Address: 213 Jones Blvd., P.O. Box 1136, Pottstown, PA 19464, USA
Tel: 610-495-6134, 877-495-6134 (toll free)
Fax: 610-495-6183

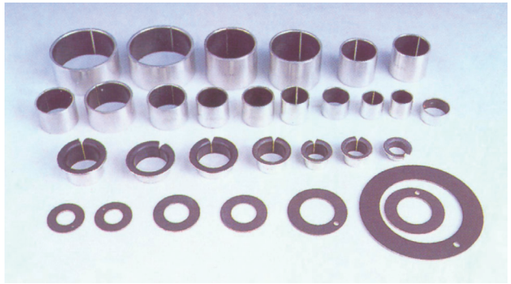
E-mail: info@kml-bearing.com Http://www.kml-bearing.com

Sliding Bearings

Construction Machinery

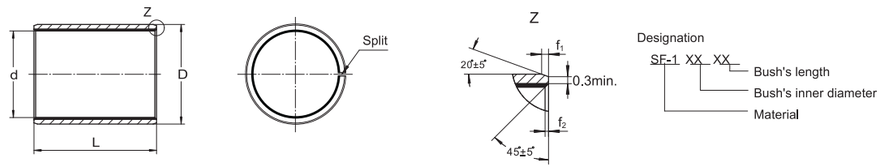
The self-lubricating characteristics of the bearings provided considerable savings by expanded maintenance period and therefore make the machines working with higher efficiency.

SF-1 Self-Lubricating Bearing



Max Load	Static Load 250N/mm²
	Low Speed Load 120N/mm²
	Rotating & Ocsillating Load 60N/mm²
Max Speed	5m/s
Friction Coefficient	0.03~0.20
Wear Depth Limit	0.05mm
Max PV Value	Dry Lubricating 3.6N/mm²•m/s
	Oil Lubricating 50N/mm²•m/s
Temperature Range	-195℃~+280℃

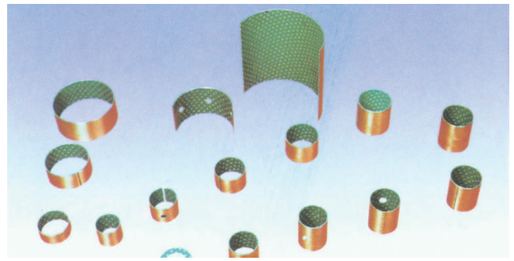
This product takes the steel plate as the base. and with the sintering of bronze powder in the middle layer and rolling of the mixture of PTEE and Pb at it's surface. It has the characteristic of small rubbing coefficient, wear-resisting and corrode resisting. Long using time. The adoption of this product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



Unit:mm

d	D	Wall thickness min	Wall thickness max	f_1	f_2	L 0 -0.40 (d≤Φ30 L -0.30; d≥Φ30 L -0.40) 6	8	10	12	15	20	25	30	40	50	60	70	80	100	115
6	8	0.980	1.005	0.6	0.3	●	●	●												
8	10					●	●	●	●	●										
10	12					●	●	●	●	●	●									
12	14					●	●	●	●	●	●	●								
13	15							●			●									
14	16							●	●	●	●	●								
15	17							●	●	●	●	●								
16	18							●	●	●	●	●								
17	19							●	●											
18	20							●	●	●	●	●								
20	23	1.475	1.505	0.6	0.4			●	●	●	●	●	●							
22	25							●	●	●	●	●	●							
24	27									●	●	●	●							
25	28							●	●	●	●	●	●	●	●					
28	32	1.970	2.005	1.2	0.4					●	●	●	●	●						
30	34								●	●	●	●	●	●						
32	36										●		●	●						
35	39								●	●	●	●	●	●	●					
38	42									●			●	●						
40	44								●		●	●	●	●	●					
45	50	2.460	2.505	1.8	0.6						●	●	●	●	●					
50	55										●		●	●	●	●				
55	60												●	●	●	●				
60	65												●	●	●	●	●			
65	70												●	●	●	●	●			
70	75													●	●	●	●	●		
75	80												●	●	●	●	●	●		

SF-2 Border Lubricating Bearing



Max Load	Static Load 250N/mm²
	Low Speed Load 120N/mm²
	Rotating & Ocsillating Load 70N/mm²
Max Speed	2.5m/s
Friction Coefficient	0.05~0.25
Wear Depth Limit	0.50mm
Max PV Value	Dry Lubricating 3N/mm²•m/s
	Oil Lubricating 22N/mm²•m/s
Temperature Range	-40℃~+130℃

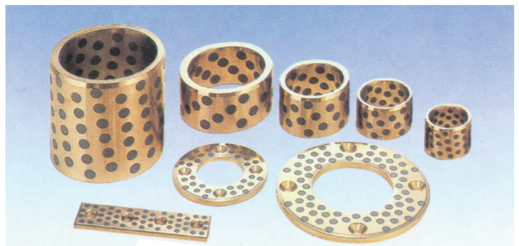
This product takes steel plate as the base. With the sintering of bronze powder in the middle layer and rolling of the modified POM at its surface. It has the characteristics of good. wear resistance and high load capacity. It is suitable for conditions which do not promote the formation of oil film oscillating movements, high load/low speed frequent, stop start or start up under load. It was wildly used in forging machine. metallurgy & 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℃~+200℃
Alloy Composition	Cu80Pb10Sn10
Brinnal Hardness	HB60~90

SF-S Double Metal Bearing takes steel plate as the base and with the sintering of alloy of tin and bronze on the surface. the bronze layer is sintered twice under high temperature and calendered firmly on the strip. 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 100N/mm²
Max Speed	Dry Lubricating 0.4m/s
	Oil Lubricating 1.5m/s
Max PV Value	Dry Lubricating3.3N/mm² •m/s
Friction Coefficient	0.05~0.20
Temperature Range	-100℃~+250℃
Alloy Composition	HBsC4
Brinnal Hardness	≥HB200

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 metallurgy. stell rollers in metallography, mineral machines, ships gas turbine and etc.

FB090 Bronze Bearing

Max Load	Static Load 300N/mm²
	Dynamic Load ≤0.01m/s 100N/mm²
	≤2m/s 40N/mm²
Max Speed	Grease Lubricating 2m/s
Temperature Range	-100℃~+200℃
Chemical Composition	CuSn8
Brinnal Hardness	HB90—110

This products takes the bronze alloy of high density as the base and spherical or dimand shaped indentations oil 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.