



嘉善三复滑动轴承有限公司
JIASHAN SANFU SLIDING BEARING CO.,LTD.

A large collection of various sliding bearings, including cylindrical and ring-shaped components in different sizes, colors (copper, silver, yellow, blue), and finishes (polished, perforated, coated). They are arranged on a light blue surface with geometric shapes.

SANFU SLIDING BEARING

专业提供各种
自润滑轴承解决方案

Provide all kinds of
self lubricating bearings solution



资质证书 Certifications





公司简介 Company Profile

嘉善三复滑动轴承有限公司（嘉善峰成三复轴承有限公司）座落于风景秀丽的历史文化名城嘉兴市嘉善县，交通十分发达、便利，是国内较大的生产金属合金轴承、金属塑料复合轴承的企业之一。现拥有员工 200 多名，厂房面积 18000 平方米，10 多年来我们一直致力于自润滑轴承，新材料的研究和开发、新产品新领域的推广和应用。产品主要有金属塑料复合系列自润滑轴承、双金属系列自润滑轴承、单金属系列自润滑轴承等，被广泛应用于汽车工业、冶金、工程机械、建筑机械、塑料机械、机床工业、水利水电等 30 多个领域。

公司一贯注重产品质量，2018 年 3 月通过 IATF 16949:2016 质量管理体系认证。公司一向立足国内，面向世界，不断满足客户日益多样化、高品质的需求，积极拓展国外市场，产品远销西欧、美洲及东南亚的二十几个国家和地区，已经赢得了良好的国际信誉。

公司经过多年不懈地努力，逐步建立并完善了一整套研发体系，运用现代化的技术和设备，开发出更多更新的优质材料，并且运用这些材料生产出更多优质的的滑动轴承为您服务。

JIASHAN SANFU SLIDING BEARING CO.,LTD. is located in JiaShan county with beautiful environment and historical scenes. The traffic is easy to access. It is one of the biggest manufacturers in metal-polymer composite bearings, plastic-metallic composite bearings in China. We own more than 200 employees with the building area of 18000 square meters. We consistently devote ourselves to extension and application our products for new industries as well as research and innovation on new materials for self-lubricating bearings many years. Main products: plastic-metallic composite self-lubricating bearings, bimetallic self-lubricating bearings, monometallic self-lubricating bearings etc. Our products are widely used in Auto industry, Metallurgical industry, Engineering machine. Civil engineering. Injection machine. Punch machine, irrigation machine, up to about 30 industries.

We pay great attention to our products quality. In March 2018, it passed the IATF 16949:2016 quality management system certification. We base on domestic market, and head for the world. We confirmedly satisfied diversity and promote our products quality. Our products are sold well in west-European countries, Americas, South-east countries as other 20 countries. Our customers have a good imagine on our products.

We erect the whole set of research & Development system to innovate new materials and apply it to make self-lubricating bearings better for many years and we are always servicing for you.

◆ 碳钢基自润滑轴承 Carbon Steel Self-lubricating Bearing



最大承载压力	Load Capacity	140N/mm ²
适应温度范围	Temp Limit	-195℃ ~280℃
最高滑动速度	Speed Limit	5m/s
摩擦系数 μ	Friction Coet(μ)	0.02~0.20
允许最高 PV 值 (干)	PV Limit(dry)	3.6N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	50N/mm ² · m/s

SF-10

SF-10 碳钢基自润滑轴承是以钢板为基体，中间烧结球形青铜粉，表面轧制聚四氟乙稀 (PTFE) 和铅的混合物、是卷制而成的滑动轴承；并具有摩擦系数小、耐磨、抗腐蚀性好和无油润滑的特点。使用该产品具有降低成本、减少机械体积，避免咬轴现象和降低机械噪音等优点。目前已广泛应用于各种机械的滑动部位，如印刷机、纺织机、烟草机、健身器、液压搬运车、微电机、汽车、摩托车与农林机械等。可提供产品：直套、翻边轴套、止推垫片、板材、轴瓦、滑板、钢套组合件。

SF-10 carbon steel self-lubricating bearing used steel plate as base, agglomerated by bronze globular powder, surface rolled the mixture of PTEE and lead is a sliding bearing made by reeling, characterized by low friction factor, wearing proof, well corrosion resistance and oil free lubrication. The use of product has many advantages of reducing cost, decreasing mechanical volume, avoiding the phenomenon of gnawing shaft, cutting down mechanical noise and so on. At present, it has been widely applied to various mechanical sliding positions such as press, spinning and weaving machine, tobacco plant machine, healthy equipment,hydraulic pressure transit vehicle, micro motor, automobile, motorcycle, famling and forestry machine and so on. It may sup ply the products:upright liner turn-up shaft sleeve, plate, shaft tile, slide and steel liner combination.

◆ 铜基无铅自润滑轴承 Bronze Pb-free Self-lubricating Bearing



最大承载压力	Load Capacity	140N/mm ²
适应温度范围	Temp Limit	-195℃ ~280℃
最高滑动速度	Speed Limit	5m/s
摩擦系数 μ	Friction Coet(μ)	0.02~0.2
允许最高 PV 值 (干)	PV Limit(dry)	3.6N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	50N/mm ² · m/s

SF-12

SF-12 铜基无铅自润滑轴承是以锡青铜为基体，中间烧结青铜球形粉，表面轧制 PTEE 和耐高温填充材料而成。它具有很高的安全系数，在连续工作不能停机修理的场所和高温不能加油的场所特别适用。

目前已广泛应用于冶金钢铁工业，连铸机方坯滚道、高温炉前炉前设备、水泥灌浆泵和螺旋式输送机上，它可以在外部组合钢套，或制成翻边，达到端面、内孔同时摩擦使用效果。

可提供产品：直套、翻边轴套、止推垫片、板材、轴瓦、滑板、钢套组合件。

SF-12 bronze pb-free self-lubricating bearing used tin bronze as base and agglomerated by bronze globular powder is made by surface rolling PTEE and high temperature resisting filling materials. It has very high coefficient of safety particularly applicable for the locations of no stopping to repair in the course of continuous work and no adding oil at high temperature. At present, it has been widely applied to metallurgy steel industry join casting machine square earthen brick rolling way, furnace front equipment of high temperature furnace, cement grout pump and spiral conveyer. It may combine steel liner outside. or make turn-up, achieving the use effect of simultaneous friction of end and inner bore.

It may supply the products: up right liner, turn-up shaft sleeve, plate, shaft tile, slide and steel liner combination.

◆ 不锈钢基自润滑轴承 Stainless Steel Self-lubricating Bearing



最大承载压力	Load Capacity	140N/mm ²
适应温度范围	Temp Limit	-195℃ ~280℃
最高滑动速度	Speed Limit	5m/s
摩擦系数 μ	Friction Coet(μ)	0.02~0.20
允许最高 PV 值 (干)	PV Limit(dry)	3.6N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	50N/mm ² · m/s

SF-13

应用特点：该产品是以不锈钢为基体，中间烧结多孔青铜层，在表面轧制以 PTFE 为主的混合物，该材料可以不含铅。产品适用于食品机械，制药机械，印染机械等。

可提供产品：直套、翻边轴套、止推垫片、板材、轴瓦、滑板、钢套组合件。

Application feature: the product uses stainless steel as base, agglomerated by multi-hofe bronze layer and rolled by mixture giving priority to PTFE at the surface and is free of lead. The product is applicable for food machine, pharmacy machine, printing and dyeing machine and so on. It may supply the products: upright liner, turn-up shaft sleeve, plate, shaft tile. slide and steel liner combination.

◆ 不锈钢基无铅自润滑轴承 Stainless Steel Pb-free Self-lubricating Bearing



最大承载压力	Load Capacity	120N/mm ²
适应温度范围	Temp Limit	-195℃ ~270℃
最高滑动速度	Speed Limit	2.5m/s
摩擦系数 μ	Friction Coet(μ)	0.04~0.20
允许最高 PV 值 (干)	PV Limit(dry)	3.0N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	40N/mm ² · m/s

SF-17

SF-17 不锈钢基无铅自润滑轴承，是以不锈钢材料为基体，中间烧结耐腐蚀合金粉末，表面轧制以聚四氟乙烯为主的低摩擦，经过卷制成型的一种十分有效的耐腐蚀材料。它具有耐油、耐酸、耐碱、耐海水和耐磨损的特点，表面的 PTFE 材料不含铅成份：在食品饮料机械、化工中度酸碱流量的泵阀、制药机械、印染机械、化工机械、海洋工业耐腐蚀滑动部位最适合使用。

可提供产品：直套、翻边轴套、止推垫片、板材、轴瓦、滑板、钢套组合件。

SF-17 stainless steel pb-free self-lubricating bearing used stainless steel material as base, agglomerated by corrosion resistant alloy powder and rolled by low friction materials giving priority to PTFE at the surface is a quite effective corrosion resisting material passing through reel forming, characterized by oil-resisting, acid-resisting, alkaline-resisting and ocean water resisting. The surface of PTFE material is free of lead. It is most suitable for food beverage machine, fluid valve of measuring acid and alkaline flow in chemical industry pharmacy machine, printing and dyeing machine, chemical industry machine and corrosion resisting sliding position in ocean industry.

It may supply the products: upright liner, turn-up shaft sleeve, plate, shaft tile, slide and steel liner combination.

◆ 铜网无铅自润滑轴承 Bronze Mesh Self-lubricating Bearing Without Lead



最大承载压力	Load Capacity	80N/mm ²
适应温度范围	Temp Limit	-40℃ ~260℃
最高滑动速度	Speed Limit	1m/s
摩擦系数 μ	Friction Coet(μ)	0.05~0.20

SF-18 (SF-FR)

SF-18 (SF-FR) 铜网无铅自润滑轴承，是以青铜丝网为基体，通过特殊烧结工艺，表面轧制聚四氟乙烯 (PTFE) 和其它填充减摩材料的混合物。它具有较低的摩擦系数，较好的耐磨特性。由于它的柔软性能好，所以可作为钢与钢对磨的隔离膜，实现无间隙、无噪音、无油润滑、无需保养、无污染的理想目的。目前产品已广泛应用于纺织机械、关节轴承、汽车门铰链等场合。

SF-18 (SF-FR) bronze mesh self-lubricating bearing without lead uses bronze silk screen as base, by means of special agglomeration technology, rolled by PTFE at the surface and other mixture of filling antifriction materials, characterized by relatively low friction factor and well wear proof performance. Owing to its good pliability, it may do segregation film polished between steels which will realize the ideal objective of gapless, noiseless, oil free lubrication, free of maintenance and free of contamination. At present, the product has been widely used in spinning and weaving machine, joint bearing, automobile door hinge and so on. It may supply the products: upright liner, turn-up shaft sleeve, plate, shaft tile, slide and steel liner combination.

◆ 四氟软带 PTFE Soft Stripe



最大承载压力	Load Capacity	40N/mm ²
适应温度范围	Temp Limit	-100℃ ~250℃
最高滑动速度	Speed Limit	1.5m/s
摩擦系数 μ	Friction Coet(μ)	≤0.25

SF-19

SF-19 四氟软带是由 PTFE 为主要材料，填充石墨等耐磨材料经磨压烧结而成。该材料摩擦系数低，具有良好的韧性，耐磨性能好，适应于与金属基体组合使用。本公司将 SF-19 包封在粉末冶金件上制成减震活塞，已在多种汽车减震器上使用，实现了极优的耐磨性能。

SF-19 four-fluorine flexible girdle with PTFE as major material is made through filling wear proof material such as graphite through polishing, pressing and agglomeration. The material has low friction factor, sound tenacity and sound wearing performance, adapting to combination use with metal base. Our company encircles metallic sintered products with SF-19 to make damping pistons, which have been used in multi-automobile bumpers, achieved exceedingly excellent wearing performance.

◆ 通用型边界润滑轴承 Prelubricated Bearing



最大承载压力	Load Capacity	140N/mm ²
适应温度范围	Temp Limit	-40℃ ~130℃
最高滑动速度	Speed Limit	2.5m/s
摩擦系数 μ	Friction Coet(μ)	0.05~0.25
允许最高 PV 值 (干)	PV Limit(dry)	2.8N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	22N/mm ² · m/s

SF-20

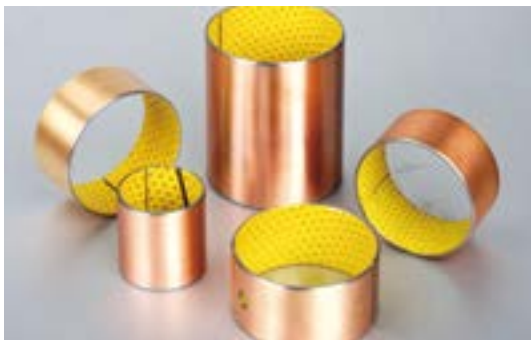
SF-20 边界润滑轴承以钢板为基体、中间烧结球型青铜粉，表面轧制改性聚甲醛 (POM)，并含有储油坑。它适用于常温条件下和低速重载场所，取代传统铜套，既降低成本又延长使用寿命。产品广泛应用于汽车底盘、锻压机床、冶金矿山机械、工程机械、水电、轧钢行业等领域。

可提供产品：直套、翻边轴套、止推垫片、板材、轴瓦、滑板、钢套组合件。

SF-20 boundary lubrication bearing uses steel plate as base, rolled by modified POM at the surface and containing oil storage pit. It is applicable for the situation of ordinary temperature and low velocity and heavy load, substituted for traditional copper liner and it reduces cost and prolong service life. The product is widely used to auto chassis, forge press, metallurgy and mine machine, engineering machine, hydroelectricity, rolled steel, and so on.

It may supply the products: upright liner, turn-up shaft sleeve, plate, shaft tile, slide and steel liner combination.

◆ 边界润滑无铅轴承 Prelubricated Pb-Free Bearing



最大承载压力	Load Capacity	140N/mm ²
适应温度范围	Temp Limit	-40℃ ~130℃
最高滑动速度	Speed Limit	2.5m/s
摩擦系数 μ	Friction Coet(μ)	0.05~0.25
允许最高 PV 值 (干)	PV Limit(dry)	2.8N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	22N/mm ² · m/s

SF-21

SF-21 边界润滑无铅轴承是在 SF-20 材料基础上根据国际环保要求而开发的一种新产品。该产品除广泛适用于一般通用机械外，对食品机械、制药机械、烟草机械尤其适用。无铅效果符合欧洲卫生标准。

可提供产品：直套，翻边轴套、止推垫片、板材、轴瓦、滑板、钢套组合件。

SF-21 boundary lubrication lead free bearing developed as the requirement of international environmental protection on the basis of SF-20X material is a new product. The product is particularly applicable for food machine, pharmacy machine and tobacco plant machine in addition to application for ordinary universal machine. Lead-freeness is in accord with European health standard.

It may supply the products: upright liner turn-up shaft sleeve, plate, shaft tile, slide and steel liner combination.

◆ 改进型自润滑轴承 Improved Prelubricated Bearing



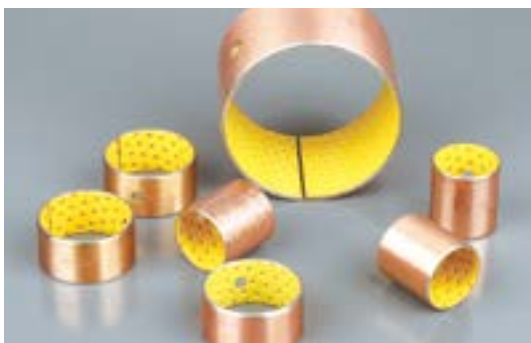
最大承载压力	Load Capacity	110N/mm ²
适应温度范围	Temp Limit	-60℃ ~130℃
最高滑动速度	Speed Limit	2.5m/s
摩擦系数 μ	Friction Coet(μ)	0.03~0.2
允许最高 PV 值 (干)	PV Limit(dry)	3.2N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	25N/mm ² · m/s

SF-22

SF-22 无油润滑轴承是 SF-20 的改进型产品，以钢背为基体，中间烧结球形锡青铜粉，表面轧制以缩醛树脂并含有亲油性纤维和特殊润滑剂的聚合物材料。国外的相同产品为 DS 轴承，适应常温条件下工作的干摩擦和少油润滑场合，具有摩擦系数低、耐磨性能好、无油条件润滑的优点。目前产品已应用在摇摆运动、易磨损、易腐蚀的场合，如卷扬机，推土机、印染机、采煤机及吊车、行车高空作业机等场合。

SF-22 oil free lubrication bearing is an improved product used steel back as base, agglomerated by globular tin bronze powder in the middle and rolled by acetal resin and polymer material containing oleophilicity fiber and special lubricant. It is the same to external DS bearing and applicable for the situation of dry friction and little oil lubrication at ordinary temperature, characterized by low friction factor, well wearing performance and oil free condition lubrication. At present, the product has been used in swaying motion, situation easy to wear and erode, such as winding engines, dozers, printing and dyeing machines, coal-cutters, winch truck, traveling crane and so on.

◆ 边界润滑轴承 Prelubricated Bearing



最大承载压力	Load Capacity	140N/mm ²
适应温度范围	Temp Limit	-40℃ ~130℃
最高滑动速度	Speed Limit	2.5m/s
摩擦系数 μ	Friction Coet(μ)	0.05~0.25
允许最高 PV 值 (干)	PV Limit(dry)	2.8N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	22N/mm ² · m/s

SF-23

该产品与 SF-20 具有相同结构和使用性能。在边界润滑条件下可长期使用而不加油，耐磨层表面有储油坑。产品广泛应用于冶金机械、矿山机械、水利机械、汽机车、建筑机械、农用机械、轧钢行业等。

SF-23 has the same structure and functional performance with SF-20. Suitable for marginal lubrication and dry operation conditions. It has been widely applied to metallurgy machinery, Mining machinery, water conservancy machinery, automobile, building machinery, agriculture equipment, rolling steel industry etc.

◆ 双金属轴承 Series of Bimetal Bearing



合金层材料	Lead bronze alloy	CuPb10Sn10 或 CuSn6Zn6Pb3
最大动载压力	Load Capacity	150N/mm ²
合金层硬度	Hardness alloy	HB60~90
最高使用温度	Max. temp	250℃

SF-30

SF-30 双金属轴承是以低碳钢板为基体材料，表面烧结 CuPb10Sn10 或 CuSn6Zn6Pb3 材料的钢铜合金产品。该产品是双合金轴承中承载能力最强的一种，适用于重型车的平衡桥衬套、垫片；推土机的从动轮、主动轮；汽车钢板衬套。它是一种用途很广的高载荷低速运动轴承。

SF-30 bimetal bearing used low carbon steel plank as base material is a steel and copper alloy product, whose surface is agglomerated by CuPb10Sn10 or CuSn6Zn6Pb3 material. The product is one of the strongest loadability of bimetal bearings, and applicable for balance bridge liner, gasket shim; engaged wheel of dozer, support traction wheel; auto steel plate liner. It is a kind of high loading and low speed kinematics bearing of extensive purpose.

It may supply the products: upright liner, turn-up shaft sleeve, plate, shaft tile, slide and steel liner combination.

◆ 双金属摩擦焊接轴承 Friction Welding Bimetal Bushing



最大承载压力	Load Capacity	150N/mm ²
最大线速度 VLinear Velocity	脂润滑 Grease Lubrication	2.5 m/s
	流体润滑 Oil Lubrication	5 m/s
最高 PV 值 Max PV value	脂润滑 Grease Lubrication	2.8N/mm ² · m/s
	流体润滑 Oil Lubrication	10N/mm ² · m/s
导热系数	Heat-conducting Coefficient	47W/(m·k)

SF-30T 翻边 / 垫片

SF-30T 双金属轴承以优质低碳钢为基体，表面烧结锡青铜合金 CuSn10Pb10，具有很高的疲劳强度和承载能力，高的抗冲击力。广泛应用到工程机械底盘四轮，空调压缩机等部位。特别在挖掘机四轮部位已广泛替代离心浇铸式双金属轴承，改善了原工艺合金层厚度不均匀，材料浪费严重等缺点，在满足客户性能要求的前提下，进一步提高性价比。

SF30T bimetal bushing is backed with high quality low carbon steel with tin-lead-bronze alloy(CuSn10Pb10)sintered on its surface . It has high fatigue strength, load capacity and impact strength. The product is applied to track roller, air compressor , especially replaced the Centrifugal casting bimetal bushing for the track roller application. the alloy thickness becomes uniform compareing with the centrifugal casting bimetal bushing, and save lot of material, which make the product cost performance higher.

◆ 双金属轴承 Series of Bimetal Bearing



SF-34

该产品以优质低碳钢板为基体，表面采用特殊工艺轧制铝锡合金。它有中等疲劳强度和承载能力，良好的耐腐蚀性，较好的轴承表面性能，产品适用于内燃机主轴和连杆轴承、压气机、制冷机用轴承。

The product is high-quality low-carbon steel, the surface using a special process will be rolled aluminum tin alloy. It has medium fatigue strength and load capacity, good corrosion resistance, good bearing surface properties, the product is suitable for the internal combustion engine shaft and connecting rod bearings, compressor, refrigerator with bearings.

合金层材料	Lead bronze alloy	AlSn20Cu
最大承载压力	Load Capacity	100N/mm ²
合金硬度	Hardness alloy	30-40HB
最大线速度（油润滑）	Maximum line speed V(Oil)	25m/s
最高 PV 值（油润滑）	Highest PV value(Oil)	25m/s

◆ 双金属固体自润滑轴承 Bimetallic Solid Self-lubricating Bearing



SF-35

SF-35 固体润滑轴承是以 SF-30 双金属材料为基体，再埋入特殊固体润滑剂制作成的新颖滑动轴承。由高强度承载的合金材料作基体，理想的并经过严格选别的高分子填充材料为耐磨剂，合理的螺旋角度菱形块状均布的润滑面，润滑面积达 25%，因此，能发挥超群的低摩擦，良好的润滑性和抗磨损性。产品已适用于汽车起动机，发电机，升降机，吊车及冶金机械等行业。

SF-35 solid lubrication bearing used SF-30 bimetal material as base is a new and original sliding bearing manufactured by covering up special solid lubricant. Using alloy material of high strength and bearing the weight as base and using ideal and strictly selected macromolecular filling material as wear-proof agent, With reasonable helix angle and diamond block-like uniformly distributed lubrication surface, its lubrication area reaches up to 25%. Therefore, it can exert preeminent low friction, well lubrication performance and abrasion wear resisting performance.

The product are already applicable to auto start electrical machinery electrical generator, lift, winch truck, metallurgy machinery and so on.

最大承载压力	Load Capacity	70N/mm ²
适应温度范围	Temp Limit	-100℃ ~260℃
最高滑动速度	Speed Limit	1.5m/s
摩擦系数 μ	Friction Coet(μ)	0.06~0.25
允许最高 PV 值（干）	PV Limit(dry)	2.6N/mm ² · m/s
允许最高 PV 值（油）	PV Limit(oil)	15N/mm ² · m/s

◆ 弥散型自润滑轴承 Point-lubricating Bearing



SF-80

SF-80 以金属为基体表面烧结合有固体润滑剂的铜合金粉，由于润滑剂弥散于工作表面因此润滑性更为充分，适用于高载低速而无法加油或无法形成润滑膜的情况，并具有较好的耐酸、耐碱性。产品被广泛用于水轮机、注塑机、汽车轮胎模具等。

SF-80 uses metal as the surface of base and agglomerates copper alloy powder containing solid lubricant. More sufficient lubrication performance owing to lubricant dispersing working surface, It is applicable to the situation of heavy load, low velocity and enabling not to add oil or form lubricious film, which has relatively acid-resisting and alkaline-resisting performance. The product is widely used in water turbine, mold plastics, molds of automobile tires and so on.

合金层材料	Lead bronze alloy	CuPb10Sn10+C
最大动承载压力	Load Capacity	100N/mm ²
摩擦系数 μ	Friction Coet(μ)	0.1~0.3
最高使用温度	Max. temp	-150℃ ~+250℃

◆ 青铜自润滑轴承 Bronze Self-lubricating Bearing



基本材质	Base material	CuSn8P0.3 或 CuSn6.5P0.1
基本硬度	Hardness	HB90~120
最大动承载压力	Load Capacity	40N/mm ²
适用温度范围	Temp Limit	-100℃ ~200℃
最高滑动速度	Speed Limit	2.5m/s

SF-40

SF-40 青铜自润滑轴承采用特殊配方的高密度铜合金带材为基体，表面轧制菱形油穴或油槽。具有密度高、承载压力大、耐磨性能好、使用寿命长等优点，以取代传统的铸造铜套，可以缩小机械体积，降低成本。SF-40 已广泛应用于起重机械、建筑机械、汽车拖拉机行业、机床工业及采矿机械中，还可以制成轴瓦、翻边轴套、止推垫片和球碗等形式。

可提供产品：直套、翻边轴套、止推垫片、板材、轴瓦、滑板、钢套组合件。

SF-40 bronze self-lubricating bearing adopts special formula and high density copper alloy strip as base, whose surface is rolled by diamond oil cave or oil groove. Characterized by high density, high pressure of bearing the weight, well wearing performance and long service life and substituted for traditional founding copper liner, it may shorten mechanical volume and reduce cost. SF-40 has been widely used in lifting machine, construction machine, auto and tractor industry, machine tool industry and mining machinery, and it may also be produced many forms of shaft tile, turn-up shaft sleeve, stop push gasket shim, ball bowl and so on.

It may supply the products: upright liner, turn-up shaft sleeve, plate, shaft tile, slide and steel liner combination.

◆ 青铜冲孔自润滑轴承 Bronze with Through Hole Self-lubricating Bearing



基本材质	Base material	CuSn8P0.3 或 CuSn6.5P0.1
基本硬度	Hardness	HB90~120
最大动承载压力	Load Capacity	40N/mm ²
适用温度范围	Temp Limit	-100℃ ~200℃
最高滑动速度	Speed Limit	2.5m/s

SF-41

SF-41 青铜冲孔自润滑轴承，以青铜为基体，设计均匀有序的注油孔，在装配后注入润滑油脂，再配置端面密封而使用。该轴承具有存油量大、安装方便、设计体积小等优点，而且可以取代铜套使用，大大地降低成本。适用于中载、低速的场合。例：输送机、升降机、卷扬机、校平等。

可提供产品：直套、翻边轴套、止推垫片、板材、轴瓦、滑板、钢套组合件。

SF-41 bronze with through hole self-lubricating bearing used bronze as base designs uniform and orderly oil hole, instills lubrication grease after assembly, configures end seal and is used. The bearing is characterized by large storing oil, convenient installation and small designing volume. It can also substitute for copper liner that sharply reduces the cost. It is applicable to the situation of medium load and low velocity. For instance, conveyers, lifts, winding engines, smoothing machines and so on.

It may supply the products: upright liner, turn-up shaft sleeve, plate, shaft tile, slide and steel liner combination.

◆ 青铜固体自润滑轴承 Bronze with Graphite Solid Self-lubricating Bearing



最大承载压力	Load Capacity	40N/mm ²
适应温度范围	Temp Limit	-100℃ ~200℃
最高滑动速度	Speed Limit	2.5m/s
摩擦系数 μ	Friction Coet(μ)	0.06~0.25
允许最高 PV 值(干)	PV Limit(dry)	2.8N/mm ² · m/s
允许最高 PV 值(油)	PV Limit(oil)	15N/mm ² · m/s

SF-42

该产品 CuSn8 为基体，表面轧制螺旋角度菱形油穴，内嵌石墨或二硫化钼，润滑面积 25%。具有摩擦系数小，良好的润滑性和抗磨性。产品被广泛应用于汽车起动机，发电机，汽机车离合器等。

SF-42 bronze solid self-lubricating bearing used CuSn8 as base, agglomerated by porous bronze powder, surface of alloy is rolled the spirally diamond type of the oil hole, embedded lead and molybdenum disulfide, the lubrication area of the bearing surface is being about 25%. Characterized by low friction coefficient, good lubricating action and wear resistant action. This type of bearing is particularly applied in starting motor for automobiles, generators, automotive clutch parts etc.

◆ 固体润滑镶嵌轴承 Solid Lubricating Bearing



最大承载压力	Load Capacity	150N/mm ²
适应温度范围	Temp Limit	-100℃ ~260℃
最高滑动速度	Speed Limit	1.5m/s
摩擦系数 μ	Friction Coet(μ)	0.06~0.25
允许最高 PV 值 (干)	PV Limit(dry)	2.6N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	15N/mm ² · m/s

SF-50

以耐磨型金属材料为基体，通过添加各种润滑材料降低摩擦因数，并实现自我润滑。这种材料结构结合了金属的高负载、良好的抗冲击能力和非金属低摩擦系数的优点，可满足于各种不同工况的使用。根据固体润滑剂的分布不同，分为按一定比例规则排布的镶嵌型和均匀分布于工作层的弥散型固体润滑轴承两大类，镶嵌型固体润滑轴承适合于低速中高负载，而弥散型固体润滑轴承即使在微动、中高速条件下都能保持极低的摩擦系数。

The wear-resistant metal material is used as a base, and the friction factor is reduced by adding various lubricating materials, and self-lubrication is achieved. This material structure combines the high load of metal, good impact resistance and low friction coefficient of non-metal, and can be used in various working conditions. According to the distribution of solid lubricants, there are two types of inlaid type arranged in a certain proportion and dispersed solid lubricating bearings evenly distributed in the working layer. Inlaid solid lubricating bearings are suitable for low speed medium and high loads, and dispersed solids. Lubricated bearings maintain a very low coefficient of friction even under fretting, medium and high speed conditions.

◆ 油槽纯铜套 Oil Tank Pure Copper Sleeve



最大承载压力	Load Capacity	150N/mm ²
适应温度范围	Temp Limit	-100℃ ~260℃
最高滑动速度	Speed Limit	1.5m/s
摩擦系数 μ	Friction Coet(μ)	0.06~0.25
允许最高 PV 值 (干)	PV Limit(dry)	2.6N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	15N/mm ² · m/s

SF-50 铜套

精加工铜合金轴套提供了简单、经济的轴承运用方式，具有承载高，耐腐蚀性好，尺寸加工任意性等特点。同时我们可以根据不同的使用工况提供不同的铜合金，并按照要求加工出不同的形式，它比卷制类铜轴承具有更高尺寸精度。

The finished copper alloy bushing provides a simple and economical bearing application, featuring high load bearing capacity, good corrosion resistance and arbitrary dimensional processing. At the same time, We can provide different copper alloys according to different working conditions, and can process different forms according to requirements. It has higher dimensional accuracy than rolled copper bearings.

◆ 固体润滑镶嵌轴承 Solid Lubricating Bearing



最大承载压力	Load Capacity	150N/mm ²
适应温度范围	Temp Limit	-100℃ ~260℃
最高滑动速度	Speed Limit	1.5m/s
摩擦系数 μ	Friction Coet(μ)	0.06~0.25
允许最高 PV 值 (干)	PV Limit(dry)	2.6N/mm ² · m/s
允许最高 PV 值 (油)	PV Limit(oil)	15N/mm ² · m/s

SF-50 滑块

该产品以高强度铜合金为基体，镶嵌特殊配方的固体润滑剂和润滑油，在摩擦过程中逐步释放润滑油和固体润滑剂。产品被广泛应用于注塑机，汽车模具、工程机械、食品机械、水轮机轴承等。

SF-50 solid-lubricant bearing uses high grade metal alloys as their base material, inlaid grease during the process of friction, it will release solidlubricant and lubricant oil automatically. The products are widely used in injection molding, automobile mold, engineering machine, food machinery and water turbines, ect.

◆ 三复汽车配件 Sanfu Auto Parts

◆ 卡箍类 CLAMP



◆ 调节手柄类 LEVER



◆ 转向系统零件 TILT



◆ 冷凝器 EGR





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