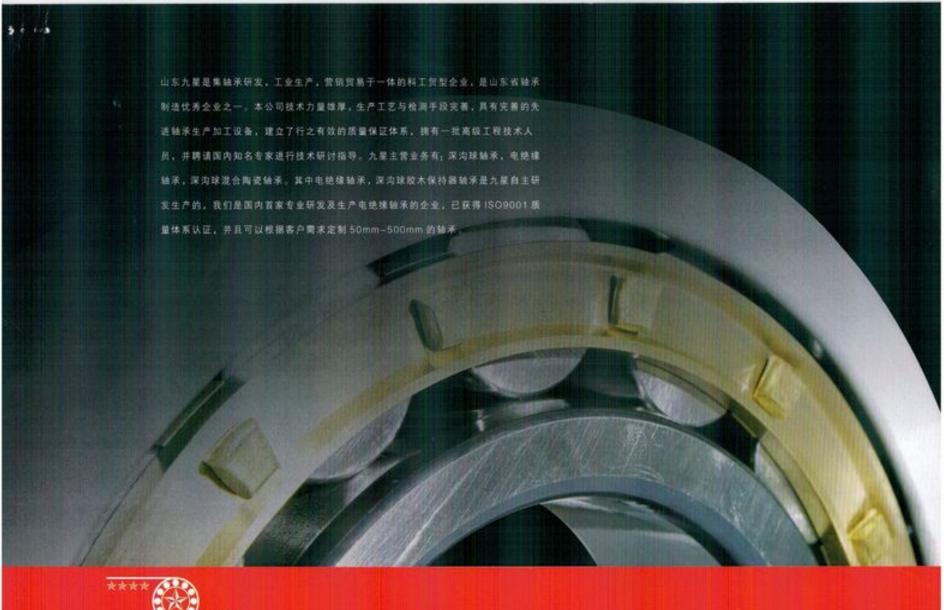


CHINA FIRST PROFESSIONAL R&D ELECTRICAL INSULATED BEARING







什么是电铯镍轴承?

电绝缘轴系就是指能够阻止电流通过, 轴系自身具有绝缘性能的 轴承总称, 其绝缘性能通常是采用国际先进工艺在轴承外围或内 圈上加工一层氧化铝涂层, 以承受电压直流。

电绝缘轴承分类,技术参数

一般分为內屬涂层绝缘轴承、外屬涂层绝缘轴承。其基本涂层能 承受电压高达 1000 伏的直流。然而可根据客户要求供应 500V—3000V 直流的涂层。其代号采用国际轴承代号。

电绝缘轴承应用场合

主要应用在大功率电动机,风力发电机、铁路机车牵引电机、支 频电机、发电机等场合。

电绝缘轴承型号分类

深沟球电绝缘轴承, 面柱液子电绝缘轴承, 调心球电绝缘轴承。 角接触球电绝缘轴承, 调心液子电绝缘轴承, 面锥滚子电绝缘轴 承。其型号表示方法和普通型号轴承一致, 只多了一张后缀。参 考国际轴承代号。

SKF: VL0241, VL2071, VA3091

FAG: J20A. J20AA. J20B. J20C

What is the electric insulation bearing?
It means bearing itself has the insulation performance to prevent current through. The insulation performance usually adopts international advanced technology to coat a oxide aluminum layer on rings to withstand voltage dc.

Electric insulation bearing classification Technical parameters

Generally, it is divided into the inner-ring coating insulation bearing, outer-ring coating insulation bearing. The basic coating can withstand voltage up to 1000 v dc. However, our bearings could run within 500 v— 3000 v dc safely, according to the customers' different requirements. The code adopts the international bearing code.

Electric insulation bearing applications

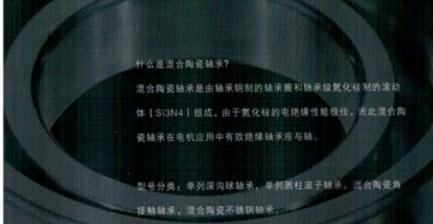
Mainly used in high power motor, wind generators, railway locomotive traction motor, frequency conversion motor, generator, etc.

Electric insulation bearing type classification
Electric insulation deep groove ball bearings, electric insulation cylindrical roller bearing, electric insulation selfaligning ball bearings, electric insulation angular contact
ball bearing, electrical insulating self-aligning roller bearing, electric insulation taper roller bearing. The model representation is consistent to the general model bearing, only
adding a few suffix. International bearing code is also
available for reference.

SKF: VL0241, VL2071, VA3091 FAG: J20A, J20AA, J20B, J20C







应用场合。电机。发电机。风力发电机。和有特殊需求的环境 中应用 What is a hybrid ceramic bearing?

Hybrid ceramic bearing is a chrome steel material rings combined with bearing level silicon nitride (Si3N4) rollers. Because of the excellent electrical insulation properties of silicon nitride, such type bearings' application is applied to motors as insulation bearing and shaft.

Type classification: single row deep groove ball bearings, single row cylindrical roller bearings, hybrid ceramic angular contact bearings, hybrid ceramic stainless steel bearings.

Applications: motors, generators, wind turbines, and other special environment.



深沟球轴承分类:

1. 钢板冲压保持器轴承

这种保持器缺汞在深沟球中应用最为广泛,一般用于大型机械、冶金,矿 业,汽车。电机仪表,工程机械等场合,其优点为噪音低。旋转灵活,较 不适于震动大,温度高的地方。

2. 黄铜实体保持器轴承

其分为三种类型: M型, MA型, MB型保持器。M型保持器的结构式由钢球引导,其优点为噪音低、转速高,寿命长,摩擦系数小等,较不适于推击大,震动大的地方。MA型保持器的结构是由外圈引导,其优点为转速高,寿命长,与M型相比,可承受转速更高的地方。环境震动及撞击承受能力比M型好其缺点为摩擦系数高,吸音偏大。MB型保持器的结构是由内圈引导,其优点为低转速运行好,稳定性强。缺点为噪音偏大,摩擦系数高,震动值大,此类型缺点多,现被采用较少。

总而言之、黄铜实体保持器的共同优点;耐离温、保持器耐摩擦、使用可 靠、寿命长。

3. 胶木保持器输承

该保持器具有很高的机械强度、良好的耐震性、防锈。耐热和润滑性。同 时具有重量轻、强度高等特点。有一般保持器无法替代的作用。主要应用 在、空调压缩机、高性能水泵等轻散荷低噪音场合。

Deep groove ball bearing classification:

1. Steel punching cage bearings

The retainer is most widely applied in the deep groove ball bearings, commonly used in heavy machinery, metallurgy, mining, automotive, electrical instrumentation, engineering machinery, and others. It's advantages are low noise and flexible rotating. However, it is not suitable for big vibration and high temperature-

2. Brass cage bearings

Such series cage could be subdivided into three types: M, MA, MB. M type structure is guided by steel balls, it's advantages are low noise, high speed, long life, small friction coefficient, but is not suitable for strong impact and violent vibration. MA is guided by outer ring. Its advantage is high speed, long life, withstand higher speed, environmental vibration and impact to bear ability is better than M type. Its shortcomings are high the friction coefficient, big noise. MB structure is guided by inner ring, its advantage is running good with low speed, strong stability. Faults are big noise, high coefficient of friction, large vibration value. Therefore, MB retainer is used less in recent.

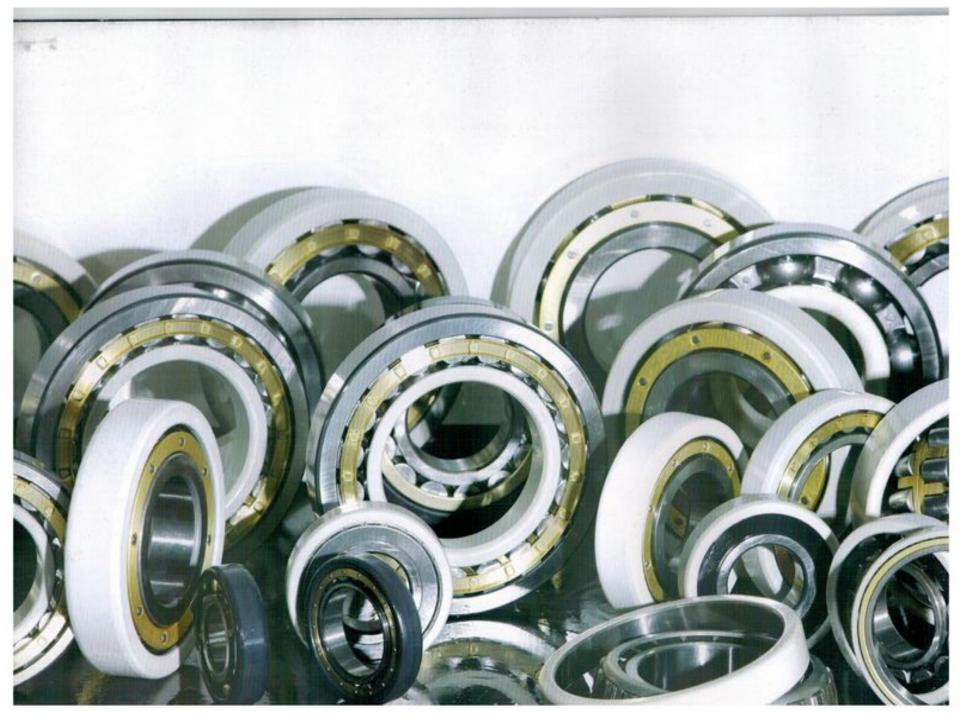
In all, brass solid retainer mutual advantages as following: high temperature, rubbing resistant, reliable, long lifetime.

3. Bakelite cage bearings

The cage has high mechanical strength, good corrosion resistance, antirust, heat resistance and lubricity. Meanwhile, it possesses light-weight, strong-strength, and other irreplaceable usages. It's mainly applied in light load and low noise working environment, such as air conditioning compressor, high performance pump and so on.









我们的业务:技有专攻, 创领专业

我们的长项:精益求新,创先时代

我们的伙伴:以诚为本,创造合作

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