浙江广力工程机械有限公司
ZHEJIANG GUANGLI CONSTRUCTION MACHINERY CO., LTD
地址：浙江省龙泉市金沙新区广达街91号
电话：86-578-7699688/7699699
网址：www.zjgljx.net
邮箱：lq_guangli@163.com
邮编：323700

Address:
No. 91, Guangda Street, Jinsha New District,
Longquan City, Zhejiang Province
Tel: 86-578-7699688/7699699
Website: www.zjgljx.net
E-mail: lq_ guangli@163.com
Postcode: 323700

浙江创丰密封科技有限公司
ZHEJIANG CHUANGFENG SEALING TECHNOLOGY CO., LTD
地址：浙江丽水市龙泉市剑池街道浙大路4-1号
电子邮箱：vainteenager@qq.com
手机：138-5705-6700
座机：0578-7020666

Address:
No. 4-1, Zheda Road, Jianchi Sub-district,
Longquan City, Lishui City, Zhejiang Province
E-mail: vainteenager@qq.com
Mobile: 138-5705-6700
Tel: 0578-7020666









专业生产浮动油封

PROFESSIONAL PRODUCTION OF FLOATING OIL SEALS

浙江广力工程机械有限公司
ZHEJIANG GUANGLI CONSTRUCTION MACHINERY CO., LTD
浙江创丰密封科技有限公司
ZHEJIANG CHUANGFENG SEALING TECHNOLOGY CO., LTD



浙江广力工程机械有限公司(以下简称公司)成立于2007年4月,是一家专业从事研发、生产、销售工程机械浮动油封的国家高新技术企业,是浙江省“专精特新”培育企业和“AAA”级守合同重信用单位。

广力牌浮动油封选用镍铬钼合金材质,经特定工艺加工、处理,其耐磨性、耐腐蚀性、耐高温性、使用寿命等性能优良,产品规格齐全(内径38mm~800mm),广泛应用于建筑、农业、冶金、矿山、重汽等工程机械主机配套领域。同时本公司还可为客户提供设计生产加工(ODM)和图纸来样加工(OEM)等服务。公司通过了IS09001、IS014001、IS045001管理体系以及知识产权管理体系认证,产品经过严格动静态试验检测可完全替代同类进口产品。

浙江广力工程机械有限公司，2020年成立浙江创丰密封科技有限公司，注册资金2000万，占地面积超34500㎡，员工200余人，是浙江省龙泉市内一家集自主研发、原材料锻造加工、销售、服务于一体的浮动油封、浮动密封创新型企业。公司的产品广泛应用于建筑、农业、冶金、矿山、重汽等工程机械主机配套领域，在工程机械领域发挥重要作用。

自成立以来，公司在吸取国内外先进技术和工艺的基础上，集行业内的智慧和经验，坚持自主研发，狠抓质量管理，以科技创新作为公司的发展准则。公司生产的浮动油封在硬度、强度、粗糙度和平面度等指标在行业内居领先地位。

产品远销美国、日本、加拿大、巴西、澳大利亚、新西兰、文莱、印度尼西亚、韩国、菲律宾、马来西亚、泰国、新加坡、越南、智利、秘鲁、巴布亚新几内亚、墨西哥、埃及、俄罗斯、台湾、香港等国家及地区,业务覆盖全球市场。公司目前配套的主机厂有徐工集团、龙工控股集团、山推集团、临工集团、中联重科等工程机械领域内的知名企业。





Zhejiang Guangli Construction Machinery Co., Ltd. (hereinafter referred to as the company) was established in April 2007.It is a national high-tech enterprise specializing in the research and development, production, and sales of floating oil seals for engineering machinery.It is a “specialized, refined, and innovative” cultivation enterprise and an "AAA" level contract abiding and trustworthy unit in Zhejiang Province.

Since its establishment, based on absorbing advanced technologies and processes at home and abroad, gathering the wisdom and experience within the industry, the company has adhered to independent research and development, strictly grasped quality management, and taken scientific and technological innovation as the development criterion. The floating oil seals produced by the company lead the industry in terms of indicators such as hardness, strength, roughness, and flatness.

Zhejiang Guangli Construction Machinery Co., Ltd. established Zhejiang Chuangfeng Sealing Technology Co., Ltd. in 2020. With a registered capital of 20 million yuan, it covers an area of over 34,500 square meters and has more than 200 employees. It is an innovative enterprise specializing in floating oil seals and floating seals that integrates independent research and development, raw material forging and processing, sales, and service in Longquan City, Zhejiang Province. The company's products are widely used in the supporting fields of main engines of construction machinery in industries such as construction, agriculture, metallurgy, mining, and heavy-duty trucks, playing an important role in the construction machinery field.

Since its establishment, on the basis of absorbing advanced technologies and processes at home and abroad, the company has integrated the wisdom and experience within the industry, adhered to independent research and development, and paid close attention to quality management, taking scientific and technological innovation as the company's development principle. The indicators such as hardness, strength, roughness, and flatness of the floating oil seals produced by the company are in a leading position in the industry.

Our products are exported to countries and regions such as the United States.Japan, Canada, Brazil, Australia, New Zealand, Brunei, Indonesia, South Korea.Philippines, Malaysia, Thailand, Singapore, Vietnam, Chile, Peru, Papua New Guinea.Mexico, Egypt, Russia, Taiwan, Hong Kong, etc. Our business covers the global market. The company currently has well-known enterprises in the field of engineering machinery, such as XCMG Group, Longgong Holdings Group, Shantui Group, Lingong Group, and Zoomlion Heavy Industry.

产品主要适用范围

浮动油封主要用于低速重载、作业条件恶劣的端面浮动密封，常用于工程机械行走部分的行星减油封速器，也有部分用于挖泥船斗轮输出装置。

浮动油封具有抗污染能力强、耐磨、自动补偿等特点，所以浮动油封应用领域非常广泛，在工程机械和煤矿机械中较为普遍。在各种输送机、砂处理设备、混凝土设备、刮板输送机的链轮、减速器及采煤机的传动机构和摇臂、滚筒等处均有应用。此外一些建筑机械，装载机、平地机、起重机、搅拌机、采掘机也有应用。

Main scope of application of the product

Floating oil seals are mainly used for end face floating seals under harsh low-speed and heavy-duty operating conditions. They are commonly used in planetary reducer oil seals for the walking parts of construction machinery, and some are also used in the output devices of dredger bucket wheels.

Floating oil seals have characteristics such as strong pollution resistance, wear resistance, and automatic compensation, making them widely used in engineering machinery and coal mining machinery. It is widely used in various conveyors, sand processing equipment, concrete equipment, sprockets and reducers of scraper conveyors, as well as transmission mechanisms, rocker arms, drums, etc. of coal mining machines. In addition, some construction machinery, loaders, grader, cranes, mixers, and excavators are also used.

企业资质 ENTERPRISE QUALIFICATION









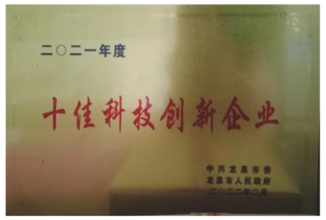


























































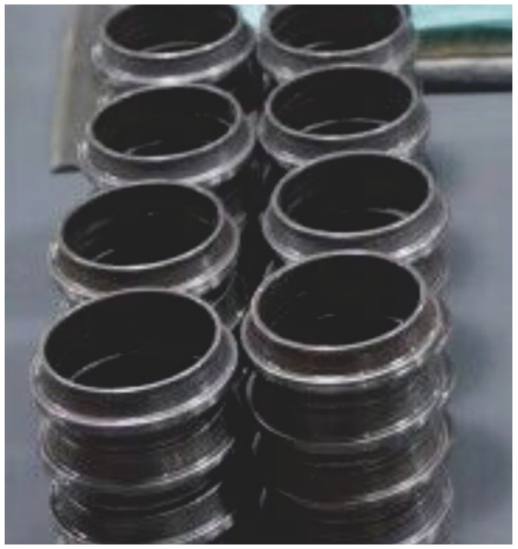


检测中心 TEST CENTER

智能车间 INTELLIGENT WORKSHOP









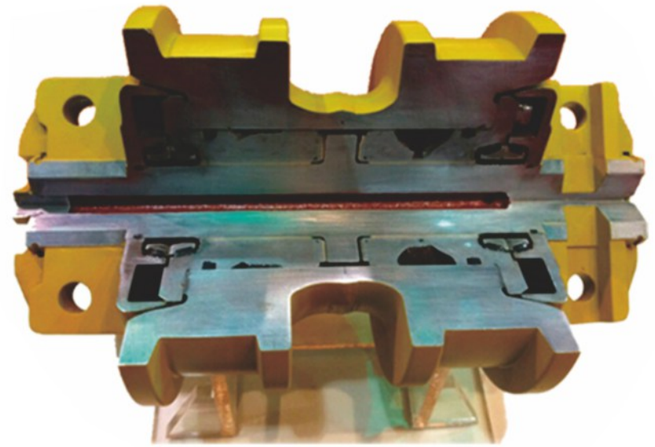
挖掘机
Excavator





推土机
Bul Ildozer

浮动油封
Floating seal





行走牙箱总成解剖图
Gearbox assembly anatomy







浮动油封
Floating seal



浮动油封
Floating seal



浮动油封
Floating seal



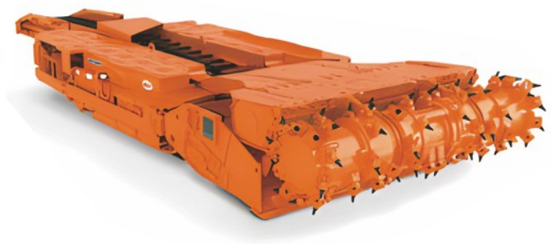
















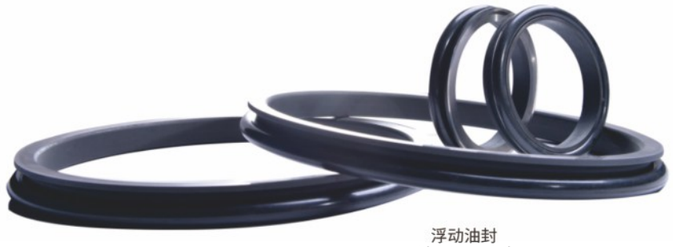
浮动油封
Floating seal



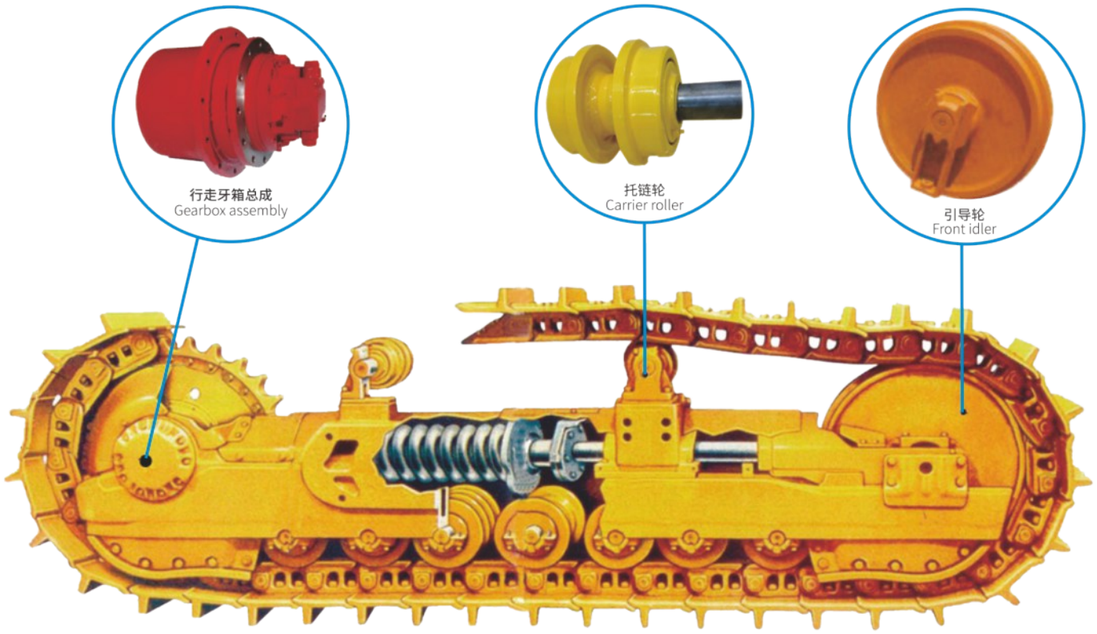




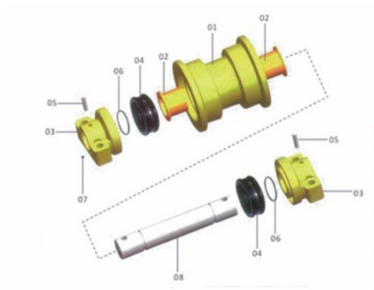
MATCHING SPECIAL FLOATING SEAL
配套专用油封



浮动油封
Floating seal

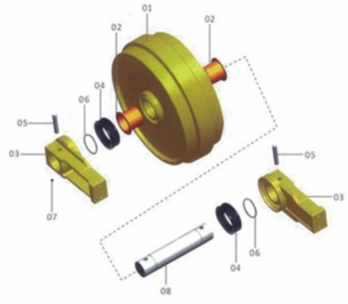


支重轮解剖图
TRACK ROLLER ANATOMY



编号	名 称
01	支轮体
02	轴瓦
03	侧盖
04	油封
05	固定销
06	O形圈
07	油咀
08	主轴

引导轮解剖图
FRONT IDLER ANATOMY



编号	名 称
01	支轮体
02	轴瓦
03	侧盖
04	油封
05	固定销
06	O形圈
07	油咀
08	主轴



浮动油封
Floating seal







DO型浮动油封
DO type floating oil seal



浮封组合由两个相对运动的合金环及圆形橡胶圈组成。此款密封环提供数据如下：

1.浮动油封尺寸：合金环外径D（常规）54-865mm
合金环内径ID 38-817mm
环的组合高度H 10.1-80mm

2.浮封环为合金铸铁产品，常用材质有镍铬合金Ni4Cr2Mo、高铬钼合金15Cr3MoNi。

3.橡胶圈其耐受温度及压力均与橡胶圈本身材质选择相关，所以提供以下材质供您选择。
分别为丁腈胶NBR，氢化丁腈HNBR，硅胶MQ，氟胶FPM，氟硅胶FVMQ。

4.此款产品的主要应用市场为煤矿机械，建筑机械等。

5.轻载浮封的优势是采购价格便宜，安装间隙宽泛等。

DO type floating oil seal

The floating seal combination consists of two relatively moving alloy rings and a circular rubber ring. This sealing ring provides the following data:

1. Floating oil seal size: Alloy ring outer diameter D (conventional) 54-865mm
Alloy ring inner diameter ID 38-817mm
The combined height of the ring H 10.1-80mm

2. The floating seal ring is an alloy cast iron product, commonly used materials include nickel chromium alloy Ni4CrMo and high chromium silver alloy 15Cr3MoNi.

3. The temperature and pressure resistance of the rubber ring are related to the material selection of the rubber ring itself, so the following materials are provided for you to choose from. They are nitrile rubber NBR, hydrogenated nitrile rubber HNBR, silicone MQ, fluorine rubber FPM, fluorine rubber FVMQ



DO型铸件 DO type casting

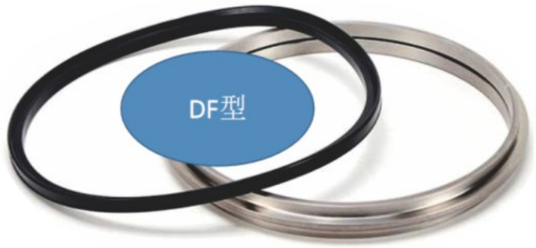


浮动油封成品 Floating oil seal finished product



DO加工中产品 Products in DO processing

DF型浮动油封
DF type floating oil seal



浮封组合由两个相对运动的合金环及方型橡胶圈组成。

1.浮动油封尺寸可按客户指定要求进行生产。

2.浮封环为合金铸铁产品，其材质共有两款可供选择，分别为镍铬合金Ni4Cr2Mo及高铬钼合金15Cr3MoNi。

3.橡胶圈其耐受温度及压力均与橡胶圈本身材质选择相关，所以提供两种材质供您选择。分别为丁腈胶NBR，氢化丁腈HNBR。

4.此款产品的主要应用市场为煤矿机械，井下机械等。

5.轻载浮封的优势是座腔便于加工，密封可靠性能高等特点。

DF type floating oil seal

The floating seal combination consists of two relatively moving alloy rings and a square rubber ring.
1. The size of the floating oil seal can be produced according to customer specified requirements.
2. The floating seal ring is an alloy cast iron product, with two materials available for selection, namely nickel chromium alloy Ni4CrMo and high chromium molybdenum alloy 15Cr3MoNi.
3. The temperature and pressure resistance of the rubber ring are related to the material selection of the rubber ring itself, so we provide two materials for you to choose from. They are nitrile rubber NBR and hydrogenated nitrile rubber HNBR.
4. The main application market of this product is coal mining machinery, and underground machinery.
5. The advantage of lightweight floating seals is that the seat cavity is easy to process and has high sealing reliability and performance.

XY型浮动油封
XY type floating oil seal



浮封组合由两个相对运动的合金环及圆形橡胶圈组成。

1.浮动油封尺寸可按客户指定要求进行生产。

2.浮封环为合金铸铁产品，其材质共有两款可供选择，分别为镍铬合金Ni4Cr2Mo及高铬钼合金15Cr3MoNi。

3.橡胶圈其耐受温度及压力均与橡胶圈本身材质选择相关，所以提供两种材质供您选择。分别为丁腈胶NBR，氢化丁腈HNBR。

4.此款产品的主要应用市场为煤矿机械、井下机械、平地机等。

5.密封可靠性能高等特点。

XY type floating oil seal

The floating seal combination consists of two relatively moving alloy rings and a circular rubber ring.
1. Floating oil seal size can be produced according to customer specified requirements..
2. The floating seal ring is an alloy cast iron product, with two materials available for selection, namely nickel chromium alloy Ni4Cr2Mo and high chromium molybdenum alloy 15Cr3MoNi.
3. The temperature and pressure resistance of rubber rings are related to the material selection of the rubber ring itself, so we provide two materials for you to choose. They are Nitrile Butadiene Rubber(NBR), Hydrogenated Nitrile Butadiene Rubber(HNBR).
4. The main application markets of this product are coal mining machinery, underground machinery, grader, etc.
5.High sealing reliability and performance.



01 防止环和胶圈发生自转
Preventing ring and rubber ring from rotating

为防止浮封环与橡胶圈在使用过程中的自转打滑，广力的浮封环采取特殊工艺制造出独特的外形并刻以防滑纹，从而增加橡胶圈抓力，提高浮动油封的密封性。

对于依然钟情传统白色浮封环的客户，特在密封环与橡胶圈接触表面制作出防滑纹，以满足客户对密封性要求。

To prevent the floating seal ring and rubber ring from spinning and slipping during use, Guangli's floating seal ring adopts a special process to create a unique shape and is engraved with anti slip patterns, thereby increasing the grip of the rubber ring and improving the sealing performance of the floating oil seal.

For customers who still love traditional white floating sealing rings, anti slip patterns are specially made on the contact surface between the sealing ring and the rubber ring to meet their sealing requirements.



02 为密封面提供不间断油膜保护
provides uninterrupted oil film protection for sealing surfaces

在200倍的电子显微镜下放大下，观察广力浮封环的密封端面，可以观察到很多综合交错的“储油沟”。由于浮动油封是利用密封面贮存的油膜进行运转，广力此款设计可维持密封面润滑油的冷热循环和不间断的交替。利用油类自身冷热交替循环，帮助浮封环金属适应高温高转速等艰苦工矿条件。

Under a magnification of 200 times the electron microscope, the sealing end face of the Guangli floating seal ring can be observed, and many comprehensive and staggered "oil storage grooves" can be observed. Due to the fact that the floating oil seal operates using the oil film stored on the sealing surface, this design of Guangli can maintain the continuous alternation of the thermal cycling of the lubricating oil on the sealing surface. Utilizing the alternating thermal cycling of oil itself to help the floating seal metal adapt to difficult industrial and mining conditions such as high temperature and speed.



03 密封端面球面设计
Sealing Face Spherical Design

广力独有的球形斜面设计使得密封环在橡胶圈的对压力作用下具有自动调心功能，维持了密封的稳定性。

The unique spherical bevel design of Guangli enables the sealing ring to have automatic centering function under the pressure of the rubber ring, maintaining the stability of the seal.



04 高弹力橡胶圈
High elastic rubber ring

广力自行开发研制与其密封环相配套的高弹力的橡胶圈，提高了浮动油封的弹性补偿，从而延长其耐磨损寿命。

Guangli self-developed and developed a high elastic rubber ring that matches its sealing ring, improving the elastic compensation of the floating oil seal and extending its wear resistance life.

05 尺寸范围宽泛
Wide size range

广力为满足客户对于产品规格多样性的需求，生产的产品内径由最小38mm直至最大817mm。我们建议您与广力技术部沟通后，再做出产品规格型号的选择。

Guangli produces products with an inner diameter ranging from a minimum of 38mm to a maximum of 8170mm to meet customers' demand for product specification diversity. We suggest that you communicate with Guangli Technology Department before making a selection of product specifications and models.

浮封环材质

广力浮封环为离心铸造的合金铸铁件，其工作面的宏观硬度为HRC60-72，适用工作温度为-50°C~200°C。
由于浮封环材质性能对浮动油封的耐磨寿命、密封性能有重要的影响我们建议应根据不同工矿条件选用相应的材质。
以下为我们推荐浮封环常用材质，详情请咨询广力技术部。

Material of floating seal ring

The Guangli floating seal ring is a centrifugal cast alloy iron component, with a macroscopic hardness of HRC60-72 on the working surface. The applicable working temperature is -50 °C~200 °C

Due to the significant impact of the material performance of the floating seal ring on the wear life and sealing performance of the floating oil seal, we suggest selecting the corresponding material according to different industrial and mining conditions.

The following are the common materials we recommend for floating seal rings. For more information, please consult Guangli Technology Department.

浮封环材质 Float seal ring material	牌号 brand
镍铬合金 nichrome	Ni4Cr2Mo
	N i4Cr2
高铬钼合金 High chromium molybdenum alloy	15Cr 3MoNi
	15CrMoNi



镍铬合金
nichrome



高铬钼合金
High chromium molybdenum alloy

橡胶圈材质

广力配套橡胶圈常温下的硬度应为（60±5）（邵氏A度），拉伸强度不小于12MPa，且伸长率不小于300%。在100°C的条件下，橡胶圈放置于齿轮油24小时，变量为±5，且永久性变形为≤12%。由于浮动油封密封的稳定性是在浮封环及橡胶圈弹力的综合作用下维持的，所以橡胶圈材质的选择应结合浮封环材质及实用工矿条件进行综合筛选。以下为广力提供的四款材质，具体情况需咨询广力技术部。

Rubber ring material

The hardness of the Guangli matching rubber ring at room temperature should be (60±5) (Shore A degree), the tensile strength should not be less than 12MPa, and the elongation should not be less than 300%. When the rubber ring is placed in gear oil for 24 hours at 100 °C, the variable is ± 5, and the permanent deformation is ≤ 12%. Due to the stability of the floating oil seal being maintained by the combined effect of the floating seal ring and the elasticity of the rubber ring, the selection of rubber ring material should be combined with the floating seal ring material and practical industrial and mining conditions for comprehensive screening. The following are four materials provided by Guangli. Please consult Guangli's technical department for specific details.

橡胶性能对比 Comparison of rubber properties

	丁腈橡胶 Nitrile Rubber	低温丁腈橡胶 Low temperature nitrile rubber	氟橡胶 VITON	氢化丁腈橡胶 HNBR	硅橡胶 Silicon Rubber
最低温度 Minimum Temperature	-25°C	-50°C	-10°C	-30°C	-60°C
最高温度 Maximum Temperature	100°C	105°C	180°C	135°C	200°C
抗拉性能 Tensile Properties	好 good	好 good	好 good	好 good	好 good
抗磨性能 Wear Resistance	很好 very good	很好 very good	很好 very good	很好 very good	不好 bad
耐油性能 Oil Rresistance	很好 very good	很好 very good	很好 very good	很好 very good	不好 bad
耐腐蚀性能 Corrosion Resistance	一般 general	一般 general	好 good	一般 general	不好 bad

浮动油封的安装

安装浮动油封过程:

1.将浮动油封从包装中取出(不能立放),使用无毛布或软纸向浮动油封表面涂一层清洁油。

2.将浮动油封装入各自的油封座内(如轻载DO型),浮封基座的轮廓在安装半径处形成一个“唇”,该唇形成了O型圈外径与基座安装半径之间的干涉。我们需要用自然力推动金属环,使O型圈通过这个唇。

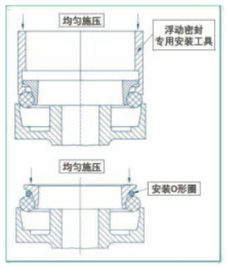
3.检查浮封表面与轴向角度是否正确,O型圈不能在油封座内扭曲或脱落。

4.将两个部分的密封面轻轻的接触,调整座腔间隙至设计尺寸。向油腔内注入油至70%的油位,完成全部安装过程。

Installation process of floating oil seal:

1. Remove the floating oil seal from the packaging (it cannot be placed vertically) and apply a layer of clean oil to the surface of the floating oil seal using a lint-free cloth or soft paper.
2. Install the floating oil seal into their respective oil seal seats (such as the lightly loaded DO type), and the contour of the floating seal base forms a "lip" at the installation radius, which forms an interference between the outer diameter of the O-ring and the installation radius of the base. We need to use natural force to push the metal ring to pass the O-ring through this lip.
3. Check whether the surface and axial angle of the floating seal are correct, and the O-ring should not be twisted or fall off in the oil seal seat.
4. Gently contact the sealing surfaces of the two parts and adjust the seat cavity gap to the design size. Fill the oil chamber with oil to 70% of the oil level and complete the entire installation process.

安装过程中的注意事项:



1.浮动油封长时间接触高温高湿的环境中易老化、锈蚀,所以当安装时再将浮封从包装中取出。浮封环属高硬度合金,必须轻拿轻放。安装场所尽量清洁无尘

2.在将浮动油封安入座腔时建议使用安装工具。常会出现O型圈在浮封环上扭曲而导致面压力不均匀使其过早失效,或是O型圈会被推至基座后脱落致使密封系统的油料泄露。

3.浮动油封被视为精密件(尤其是金属油封油面),所以请勿使用尖锐工具造成浮动油封的永久损伤。

4.因密封面边沿锋利,搬动时请佩戴手套,以防划伤。

Precautions during installation:

1. The floating oil seal is prone to deterioration when exposed to high temperature and humidity for a long time, so it should be removed from the packaging during installation. The floating seal ring is a high hardness alloy and must be handled with care. The installation site should be as clean and dust-free as possible
2. It is recommended to use installation tools when installing the floating oil seal into the seat cavity. It is common for the O-ring to twist on the floating seal ring, resulting in uneven surface pressure and premature failure, or for the O-ring to fall off after being pushed to the base, causing oil leakage in the sealing system.
3. The floating oil seal is considered a precision component (especially the metal oil seal oil surface), so do not use sharp tools to cause permanent damage to the floating oil seal.
4.Due to the sharp edges of the sealing surface, please wear gloves when moving to prevent scratches.

为什么不用安装工具安装浮动油封容易发生油泄露问题?

有的客户在购买浮动油封时不会配套购买安装工具,在安装时用螺丝刀直接做安装,最终导致胶圈进腔后形变不平,整个油封受力不均,间隙性漏油情况即可能发生。

橡胶圈在安装后应该是整体均匀无曲折,合模线位置连续无断层。无曲折、上下位移等情况出现,才能提供给浮动油封稳定的弹力。

Why do not install floating oil seals with installation tools?

Some customers do not purchase installation tools when purchasing floating oil seals. Instead, they install them directly with a screwdriver. Finally, the deformation of the rubber ring after entering the cavity is uneven, the force of the entire oil seal is uneven, and the gap oil leakage occurs. After installation, the rubber ring should be the whole uniform without zigzag and continuous without fault. Only when there is no zigzag up and down displacement can stable elastic force be provided to the floating oil seal.

润滑油的选择

浮动油封的密封是依靠接触面之间产生的超薄油膜维持的,因此需要在浮动油封中施以润滑油。但对于润滑油种类或是方法的不当会造成橡胶圈与油料发生化学兼容反应,以致浮动密封提早失效。

对此提出以下建议:

1.在一些慢转速,低震动的情况下可选用润滑脂,但是液态合成油始终应作为首选。
2.为了对浮动油封进行很好的润滑和冷却,润滑油必须至少覆盖密封面的2/3。
3.尽量保证油类及密封系统的干净,防止其对于浮动油封寿命的耗损。
4.有些油与人造橡胶不兼容,尤其是在高温条件下,长时间接触会导致其老化。因此注油前应对橡胶圈与油类做兼容性实验。

Selection of lubricating oil

The sealing of the floating oil seal is maintained by the ultra-thin oil film generated between the contact surfaces, so it is necessary to apply lubricating oil in the floating oil seal. But the improper lubricating oil type or method will cause the rubber ring and oil chemical compatible reaction, resulting in early failure of floating seal.
The following suggestions are put forward:
1. In some cases of slow speed and low vibration, grease can be selected, but liquid synthetic oil should always be the first choice.
2. In order to lubricate and cool the floating oil seal well, the lubricating oil must cover at least 2/3 of the sealing surface.
3. Try to ensure that the oil and sealing system is clean, to prevent the loss of floating oil seal life.
4. Some oils are not compatible with artificial rubber, especially under high temperature conditions. Long time contact will lead to aging. Therefore, compatibility test should be done between rubber ring and oil before oil injection.

浮动油封的保存

1.浮动油封在打开包装后如暂不使用,请及时用包装膜包好使其与空气隔绝,防止密封件锈蚀。
2.由于浮封环是高合金铸铁产品,所以很容易遇到碰撞和坠地产生断裂现象,放取时务必轻拿轻放。
3.橡胶圈受温度影响大,所以应放置于常温库房中保存。

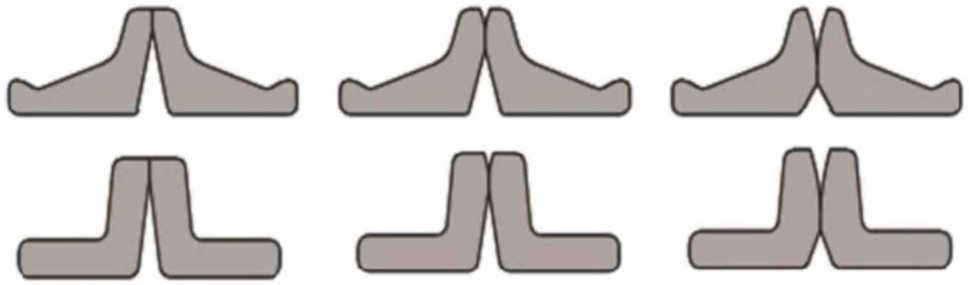
Preservation of floating oil seal

1. If the floating oil seal is not used temporarily after opening the package, please wrap it with the packaging film in time to isolate it from the air and prevent the corrosion of the seal.
2. As the floating sealing ring is a high alloy cast iron product, it is easy to encounter collision and fall to the ground, resulting in fracture phenomenon, so be sure to handle carefully when taking.
3. The rubber ring is greatly affected by temperature, so it should be stored in the room temperature warehouse.

浮动油封后期磨损量预估

浮动油封的啮合面形成一个大约宽为0.2~0.5mm的接触带，此接触带既能保持油润滑，又能防止外部污物的进入。随着磨损的出现，由于铸造的浮动油封能自动补偿磨损，浮封交界面接触带会稍变宽，向浮封环内孔方向移动并连续自动更新，用肉眼检查密封带的位置就能预估。

下图呈现的是磨损示意图:

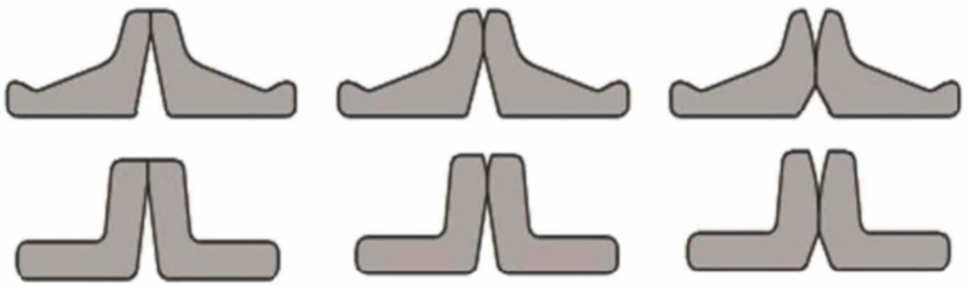


使用前　　使用至 ½　　使用至 ⅔ 失效

Late wear estimation of floating oil seal

The meshing surface of the floating oil seal forms a contact band about 0.2~0.5mm wide, which can not only keep the oil lubricated, but also prevent the entry of external dirt. With the appearance of wear, because the casting floating oil seal can automatically compensate for wear, the contact band at the floating seal interface will become slightly wider, move to the direction of the inner hole of the floating seal ring and automatically update continuously. The position of the sealing band can be predicted by checking with the naked eye

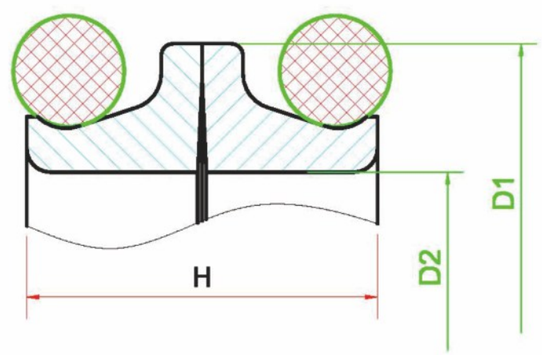
The following diagram shows the wear and tear:

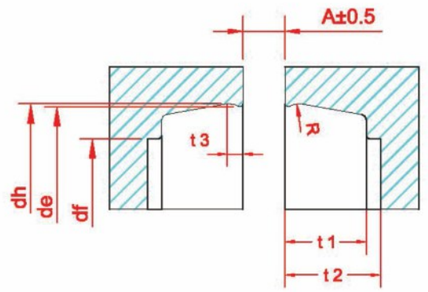


Before　　Use to ½　　Use Up to ⅔ failure

(DO型) 浮动油封型号表
(DO type) Floating Oil Seal Model Table

(DO型) 浮动油封座腔
(DO type) Floating oil seal seat chamber







序号 Serial number	型号 Type	内径 D2	外径 D1	高度 H	谷径 dh	唇径 de	肩径 df	深度 t1	总深度 最小值 t2	圆弧距离 t3	座腔间隙 A
1	SG380	38	51	21.2	54	53.2	34.0	9.0	10.5	1.8	2.0
2	SG430	43	58	24	62.0	61.0	52.0	11.0	13.5	2.8	5.0
3	SG450	45	58	21	61.6	60.8	53.4	10	12.0	1.8	2.5
4	SG0460	46	60	24	52.55	51.55	44				
5	SG480	48	62	24.8	68.3	67.3	56	12	14.5	2	2
6	SG48（62）	48	62	25	68.3	67.3	56	12	14.5	2	2
7	SG510	51	65	27	68.5	67.5	56	13	15	2	2
8	SG54（70）	54	70	25	76.8	75.8	66	12	14.5	2	2
9	SG560	56	70	25.5	76.2	75.2	66	12	14.5	2	2
10	SG0560A	56	70	23.2	78	77	66	11	12.5	2.8	5
11	SG580	58	74	25	79.3	78.3	66	12	14.5	2	2
12	SG0580C	58	71	13.8	75	74	65				
13	SG620	62	73.5	16	76	77	66	8	9	2	2
14	SG635	63.5	82.5	32.3	86.5	85.6	76	14	17	2.3	2
15	SG640	64	78	25	84.3	83.3	76	12	14	2	2
16	SG0650	65	75	16	79	78	76	8	9	2	2
17	SG690	69	84	24	89.6	88.6	81	12	14	2	2
18	SG690	69	84.5	26	90	89	81	12	14	2	2
19	SG710	71.7	90	29	95.5						
20	SG0710B	71.7	90	28	96.5	95.5	84	13.5	16.5	2	2
21	SG710B	71.7	90	28	96.5	95.7	83.5	13.5	16.5	2	2
22	SG730	73	92	32.5	96.5	95.5	86	14.5	17	3	3
23	SG737	73.7	87	21.5	92	91	86	9	10.4	2	2
24	SG740A	74	87	21.6	91.6	90.6	86	9	10.4	2.3	3
25	SG0740C	74	93.5	29	105	104	86	14	16	2	2
26	SG746	74.6	93	30	100.1	99.1	88	14	16	2.3	2
27	SG0760	76	94	29	101	100	88	14.5	16.5	2.8	5
28	SG770	76	94	29.6	101.5	100.5	88	14.5	16.5	2.5	5
29	SG770	77	93.3	29	100.5	99.5	88	14	16	2.3	2
30	SG810	80	100	29	105.5	104.5	92	14	16	3	3
31	SG0810	81	100	30	104	103	92	14	16	2.3	2
32	SG0820	82	98	25.6	102.4	101.4	92	12	14	2	2
33	SG820	82	102	32	105.5	104.5	92	14	17	2.3	2
34	SG850	85	104.3	32	107.4	106.4	95	14	17	2	2
35	SG86（105）	86	105	30	109	108	95	14	16	2.3	2
36	SG0890B	88.8	106.5	23	111.5	110.5	97	11	13	2	3
37	SG900	90	105	26	107.5	106.5	100.4	11.8	14.2	1.9	2.8
38	SG900A	90	105	26	107.3	106.7	100.4	11.8	14.2	1.9	2.8
39	SG90（109B）	90	109	32	112.9	112.2	103	14.5	17	2.1	3
40	SG90（109D）	90	109	32	113.4	112.4	102	14	17	2	2
41	SG0905	90.5	109.6	32	114.5	113.5	102	14	17	2	2
42	SG905	90.5	109	33	114	113	102	14.5	17	2.3	2
43	SG1095A	90.5	109.5	31.8							
44	SG900B	91	110	32	113.5	112.5	100.4	14	17	2	2
45	SG910（1100）	91	110	32	114.2	113.1	102	14	17	2	2
46	SG920（109）	92	109	22	114.2	113.2	102	10.6	12.6	2	3
47	SG920A	92	109.5	22	113.8	113	105	9.5	11.5	2	3
48	SG940	94	107	21.8	112	111	102	9	10.5	2	3
49	SG0940A	94	106.5	23	111.6	110.8	102	9.5	11.5	2	3
50	SG950	95	114	32	111.5	110.5	104	14	17	2	2
51	SG0820A	96	82	10.5							
52	SG0965	96.5	106.6	13.6	109.7	109.2	104	7.5	8	1.4	1.5
53	SG985	98.5	119	30	123.5	122.5	104	14.5	17	2.8	3
54	SG990	99	120	32	125	124	112	14	17	2	3
55	SG1000	100	119	32							
56	SG1000	100	120	32	124.2	123.2	100	14	17	2	2
57	SG1000	100	119	31.8	123	122.2	110	15.2	16.8	3.5	4.8

序号 Serial number	型号 Type	内径 D2	外径 D1	高度 H	谷径 dh	唇径 de	肩径 df	深度 t1	总深度 最小值 t2	圆弧距离 t3	座腔间隙 A
58	SG1000C	100	119	31.8	123.2	122.4	110	15.2	16.8	3.5	4.8
59	SG1010A	100	117	21	121	120	112	9	10.4	2.3	3
60	SG1010	101	120	30.2	125	124	112	14.5	17	2.8	3
61	SG101.5	101.5	117	10.8							
62	SG101.5	101.5	117	21.6	122.3	121.3	112	9	10.4	2.3	3
63	SG102-14	102	119	29	124	123	112	13.5	16	3.9	3
64	SG1020	102	122	33	127	126	113	15	17.5	3.3	3
65	SG1020A	102	117	21	121.6	120.6	113	9	10.4	2.3	3
66	SG1020D	102	117	21	121.66	121.1	113	9	10.4	2.3	3
67	SG1039	104	117	22	122	121	113	9.2	11.5	2	3
68	SG1040A	104	122.5	22.5	125.5	124.5	107	10	12	2	3
69	SG1040C	104	117	22	121	120	107	9.5	11.5	2	3
70	SG1040D	104	122	22	125.8	125.1	117	10.6	12.6	2	3
71	SG1042	104.2	121	23.4	126	125	117	11	13	2	3
72	SG1080	108	122	22	125.8	125.1	117	10.6	12.6	2	3
73	SG(108B)	109	127	32	133.1	132.2	121	14.5	17	2.8	2.5
74	SG1090	109	132.2	32	137.2	136.2	117	14.5	17	2.5	3
75	SG1100B	109	126.7	32	134.7	133.7	117	14.5	17	2.5	3
76	SG1100C	109	127	32	130.6	129.6	117	14.5	17	2.5	3
77	SG1090A	110	132.2	28	137.2	136.2	117	12.5	15	2.3	3
78	SG110（128）	110	128	32	133.5	132.5	117	14.5	17	2.5	3
79	SG1100A	110	128	32	133	132	117	14.5	17	2.5	3
80	SG1120	112	128	22	132.5	131.5	123	10.6	12.3	2.8	3
81	SG1140A	114	137	31	141.9	140.9	123	14	17	2.5	3
82	SG1145	114.5	129	21	134.1	133.1	126	9.2	10	2.3	3
83	SG1145A	114.5	129	22	133.5	132.5	125	10.2	12	3	5
84	SG115（137）	115	137	32	141.6	140.6	125	14	17	2	3
85	SG1150	115	137	31	142.5	141.5	125	14	17	2.5	3
86	SG1150	115	137	31	142.5	141.5	125	14	17	2	3
87	SG1151	115	130	20	134.6	135.6	125	10.2	12	2.3	3
88	SG1160	116	137	31	141.5	140.5	125	14	17	2	2
89	SG1200	120	143	38	149.5	148.5	129.3	18	20.5	3	6.5
90	SG1200C	120	139	32	143	142	129.3	14.5	17.5	3	5.4
91	SG121	121	138.5	32	143.5	142.5	131.3	14.5	17.5	2.5	3
92	SG123	123	141	8							
93	SG1240	124	141.2	22	146	145.6	135	10.6	11.7	2.3	3
94	SG1240	124	141	22	146	145	135	10	11.5	2	4
95	SG1240A	124	141	22	146.4	145.3	136	12.3	10.6	2.8	3
96	SG1270	127	146	32	151	150	143	14.5	17	2.8	5
97	SG1270B	127	141	26	144	143	137	11.8	14.2	2.9	2.8
98	SG1270D	127	141.2	25.4	143.8	143.1	136.9	11.8	14.2	2.9	2.8
99	SC1270C	127	141	28							
100	SG127D	127	146	32	151	150	137	14	17	2.5	3
101	SG130-16	130	151	32	156	155	145	14.5	16.5	2.8	5
102	SG1300	130	151	32	156.8	155.8	145	14.5	17	2.8	5
103	SG1300A	130	152	38	159	158	144	18	20.5	3	6.5
104	SG1300D	130	151	32	155.6	154.6	144	14.5	16.5	2.5	5
105	SG1310	131	151	30	156	155	143	13.5	16	3.9	5
106	SG1370	137	153	31	162.4	161.4	147	14.5	16.5	2.5	5
107	SG1400	140	155	26	158.8	157.6	150	11.8	14.2	2.9	2.8
108	SG1427	142.7	156.9	25.4	159.7	158.9	152.1	11.8	14.2	2.9	2.8
109	SG143	143	157	25.4	159.8	158.8	152.1	11.8	14.2	2.3	3
110	SG1430	143	156.2	26	160.4	159.4	152	12	14.5	2.3	3
111	SG1430A	143	157	27	160	159	152	12	14.5	2.3	3
112	SG1430B	143	160	28	164	163	154	13	15.5	2.8	5
113	SG1430C	143	157	27	164	163	154	12	14.5	2.8	5
114	SG1460	146	170	39	177.5	176.5	156.9	18	20.5	3	6.5

序号 Serial number	型号 Type	内径 D2	外径 D1	高度 H	谷径 dh	唇径 de	肩径 df	深度 t1	总深度 最小值 t2	圆弧距离 t3	座腔间隙 A
115	SG1460A	146	168	34	171	170	156.9	15	17	3	3
116	SG1460B	146	172	38	177	176	156.9	18	20.5	2.8	6.5
117	SG1460C	146	168	34	171	170	156.9	15	17	3	3
118	SG1460	146.5	171.5	38	176.7	175.7	156.9	18	20.5	2.8	6.5
119	SG1470	147	160	22	165.5	164.5	157	9.5	11	2.3	3
120	SG1470A	147	167	28	171	170	160	13	15.5	2.8	5
121	SG1470C	147	160	21	165.5	164.5	156	10.6	11.6	2.8	3
122	SG1480	148	171	32	175.2	174.2	164	14.5	17	2.8	5
123	SG1480A	148	170	31	175.6	174.6	164	15	17	2.5	3
124	SG1480	148.5	170.8	32	176	175	164	14.5	17	2.8	5
125	SG1490	150	168	34	173.8	172.8	164	15	17	3	3
126	SG1500	150	171.7	40	179	178	165	18	20	2.5	3
127	SG1500	150	171	32	176	175	164	14.5	17	2.8	5
128	SG1500B	150	171	32	175.6	174.6	164	14.5	17	2.8	5
129	SG1500C	150	171	32	175.3	174.3	161	17	20	3.94	4
130	SG1500E	150	172	40	176	175	165	19	21	2.5	3
131	SG1501	150	171	32	175.5	174.5	165	14.5	17	2.8	5
132	SG1530A	153	171.5	28	176.3	175.3	164.5	12.5	14.5	2.8	5
133	SG1530	154	173	33	178	177	166	15	17.5	3.1	3
134	SG1540	154	168	12.7	171	170	163	7	8	2	2
135	SG1540	154	168	26.4	171.6	170.6	163	12	14.5	2.3	3
136	SG1540	154	168	27	171	170	163	12	14.5	2.3	3
137	SG1540	154	168	25.4	171	170	163	12	14.5	2.3	3
138	SG1540A	154	174	32	178	177	163	14.5	17	2.8	5
139	SG1540C	154	170	21	175.1	174.1	167	9.2	10	2.3	3
140	SG1540C	154	173.5	32							
141	SG1540D	154	169	22	174.5	173.5	166	9.2	11	2.3	3
142	SG1540E	154	170	21.5	175.6	174.6	167	9.2	10.5	2.3	3
143	SG1540F	154	168	27	171	170	162	13	15	2.8	5
144	SG1540H	154	178	34	180	179	177.5	15.5	18	2.8	6.5
145	SG1550	155	177	38	181.5	180.5	178.5	18	20.5	2.8	6.5
146	SG1600	160	180	32	185.6	184.6	174	14.5	17	2.8	5
147	SG1600	160	180	32	186	185	174	13.5	18	2.3	4
148	SG1600A	160	180	32	185.6	184.6	174	13.5	18	2.3	4
149	SG1601	160	180	29	186.3	185.5	174	13.5	15	2.3	4
150	SG1630	163	191	38	196.4	195.4	178.5	18	20.5	3.1	6.5
151	SG1630	163	191	38	196.8	195.8	178.5	18	20.5	3.1	6.5
152	SG1630C	163	191.5	38	196.6	195.6	178	18	21	4.4	4
153	SG1630D	163.5	191.5	38	198	197	180	18	20.5	3.1	6.5
154	SG1640	164	189	30	193.5	192.5	179	14.5	17	2.8	5
155	SG1640C	164	189	28	194	193	185	12.5	15	2.3	3
156	SG1650	165	183	29.8	188.6	187.6	178	14.5	17	2.3	5
157	SG1650A	165	180.5	27	185	184	176.5	12	14.5	2.3	3
158	SG1650B	165	180.5	27	185	184	176.5	12	14.5	2.3	3
159	SG1650C	165	180.5	27	185.5	184.5	176.5	12	14.5	2.3	3
160	SG1650D	165	181	27	185	184	176.5	12	14.5	2.3	3
161	SG1650E	165	181	27	184	183	176.5	12	14.5	2.3	3
162	SG1650F	165	194	38	198.5	197.5	186	18	20.5	3.1	6.5
163	SG1680	168	185	21	190	189	179	9.2	11	2.3	3
164	SG1690	169	189	32	193.5	192.5	179	14.5	17	2.8	5
165	SG1720	171.5	194.5	29	200	199	188	14.5	17	2.8	4.5
166	SG1740	174	190	25.4	192.7	191.7	188	12.7	14.3	2.3	2.8
167	SG1760	176	194.5	28	200	199	189	12.5	14.5	2.8	5
168	SG1770	177	200	31	204.5	203.5	191	14.5	17	3.8	3
169	SG1780A	177.5	200	32	204.1	203.1	191	14.5	17	2.8	5
170	SG1780D	178	200	38	204.5	203.5	191	18	19	4	5
171	SG1780	178	200	38	210.6	209.6	192	19	21	3	4

序号 Serial number	型号 Type	内径 D2	外径 D1	高度 H	谷径 dh	唇径 de	肩径 df	深度 t1	总深度 最小值 t2	圆弧距离 t3	座腔间隙 A
172	SG1780	178	200	38	212	211	192	19	21	3	4
173	SG1780D	178	200	38	204.5	203.5	196	19	21	3	4
174	SG1781	178	200	38	210.6	209.6	196	19	21	3.1	6.5
175	SG1800	180	197.4	21.4	202.2	201.2	196	9.4	10.6	1.2	3
176	SG1820	182	210	39	215.2	214.2	197.5	18	20	3.1	6.5
177	SG1820	182	210	38	215.8	214.8	197.5	18	20	3.1	6.5
178	SG1820A	182	210.5	38	215.5	214.5	197.5	18	20	3.1	6.5
179	SG1820B	182	210.5	38	215.5	214.5	197.5	18	20.5	3.1	6.5
180	SG1825	182.5	210.3	46	215.4	214.4	197.5	21	23.5	3.1	6.5
181	SG1830	183	202	28	206	205	195	12.5	14.5	2.8	5
182	SG1830A	183	202	28	206.2	205.2	195	12.5	14.5	2.8	5
183	SG1860	186	203	25.4	205.7	204.7	190.5	14.5	16	2.3	2.8
184	SG1880	188	205	28.4	211	210	200	13	15.5	2.8	5
185	SG1880A	188	205	28	211	210	200	13	15	2.8	5
186	SG1880B	188	216.5	38	227	226	200	18	20.5	3.1	5
187	SG1890	189	205	28.4	211	210	200	13	15.5	2.8	5
188	SG1910	191	209.7	29	214.6	213.6	203	13	15	2.8	5
189	SG1910	191	210	28	214	213	203	12.5	14.5	2.8	5
190	SG1910	191	210	28	214	213	203	11.5	14	2.8	5
191	SG1920	192	215	33	220.8	219.8	207	16.5	18.5	3	4
192	SG1920	192	215	33	221	220	207	16.5	18.5	3	4
193	SG1920C	192	215	33	221.1	220.1	207	16.5	18.5	3	4
194	SG1920D	192	215	33	222.8	221.8	207	16.5	18.5	3	4
195	SG1950	195	216.5	32	221	220	210	16.5	18.5	3	4
196	SG1980	198	228	39	233.5	232.5	215.5	18	20	3.1	6.5
197	SG2000	200	230	13							
198	SG2000	200	228.5	38	233.5	232.5	215.5	18	20.5	3.1	6.3
199	SG2000A	200	228.5	38	233.5	232.5	215.5	18	20.5	3.04	6.5
200	SG2020	202	222.3	26.5	224.9	223.9	217.9	11.8	14.2	2.9	2.8
201	SG2050	205	227	30	231.2	230.2	219	14.5	17	2.8	5
202	SG2050A	205	227	30	231.5	230.5	219	14.5	17	2.8	5
203	SG2050A	205	227	30	231.5	230.5	219	14.5	17	2.5	5
204	SG2050C	205	227	31	231.5	230.5	219	14.5	17	2.8	5
205	SG2050D	205	227	30	232	231	219	14.5	17	2.8	5
206	SG2050E	205	227	30	231.8	230.8	219	14.5	17	2.8	5
207	SG2050F	205	227	30	231.5	230.5	219	14.5	17	2.8	5
208	SG2090	209	234	42	242.6	241.6	224	19.5	21.5	3	4
209	SG2160	216	230	27.3	235.3	234.3	228	11.5	14	2.8	5
210	SG2170	217	237	30	241.5	240.5	229	14.5	17	2.8	5
211	SG217(0004A)	217	237	30	214.5	243.5	229	14.5	17	2.8	5
212	SG2200	220	246	36	256	255	238	18	20.5	3.1	6
213	SG2200(加高)	220	246	41	254.6	253.6	238	20.5	22.5	3.1	6
214	SG2200A	220	240	32							
215	SG2200A	220	239.3	32	244.5	243.5	233	14.5	18	2.8	5
216	SG2200A	220	239.3	32	244	243	233	14.5	18	2.8	5
217	SG2200B	220	246	41	254.6	253.6	236	20.5	22.5	3	4
218	SG2200C	220	246	36	253.3	252.3	235	18	20.5	3.1	6
219	SG2200D	220	241.2	25	245.5	244.5	235	11	14	3	3
220	SG2200E	220	240	26	245.3	244.3	234	11	13.5	2.5	3
221	SG2200F	220	241.5	25	244.7	243.7	233.9	11	15	2.2	4
222	SG2200G	220	239.5	31.8	244	243	232	14.5	16.5	2.8	5
223	SG2200H	220	239.5	31.8	244	243	232	14.5	16.5	2.8	5
224	SG2200J	220	241.5	25	244.7	244	233.5	11	13.5	2.2	6.5
225	SG2200K	220	246	36	251.3	250.3	233	18	20.5	3.1	6
226	SG2200M	220	240	32	224	243	233	14.5	18	2.8	5
227	SG2220	222	246	36	251.8	250.8	236	17	20	4.1	4
228	SG2225	222.5	246	36	249.6	248.6	234.5	16.5	19	3.1	6

序号 Serial number	型号 Type	内径 D2	外径 D1	高度 H	谷径 dh	唇径 de	肩径 df	深度 t1	总深度 最小值 t2	圆弧距离 t3	座腔间隙 A
229	SG2225A	223	251.5	46	257.2	256.2	239	21	23.5	3.1	6.5
230	SG2230	223	251	37	256.6	255.5	238.5	18	20.5	3.1	6.5
231	SG2230	223	251	44.4	257	256	238.5	20.5	22.5	3.1	6.5
232	SG2235	223.5	251.5	46.4	257.2	256.2	239	22	23.5	3.1	6.5
233	SG2236	223.5	251.4	38	256	255	239	18	20.5	3.1	6.5
234	SG2250	225	253	37	258	257	241	18	20.5	3.1	6.5
235	SG2250A	225	252	38	258.3	257.3	241	18.5	21.5	2.5	3
236	SG2300	230	260	36	266	265	245	16.5	19	3.1	6
237	SG2310	231.6	259.6	38	265	264	247	18	20.5	3.1	6
238	SG2320	232	260	36	265	264	246	16.5	19	3.1	6
239	SG2330	233	260	36	266	265	246	16.5	19	3.1	6
240	SG2340	234	260	36	264	263	249	17	20.5	3.1	6
241	SG2350	235	265	42	274.6	273.6	256	19.5	21.5	3	6
242	SG2380	238	261	32	265.5	264.5	254	14.5	17	2.8	5
243	SG2380A	238	261	31.8	265.5	264.5	254	14.5	17	2.8	5
244	SG2390A	239	268	42	273	272	257	19.5	21.5	3	6.5
245	SG2400	239	268	40	277	276	260	20.5	22.5	3.1	6.5
246	SG2390	239	268	42	274.2	272.5	257.5	18.5	20.5	4.53	6.5
247	SG2400	240	262.8	38	273.5	272.5	255.5	20.5	22.5	3.1	6.5
248	SG2410	241	262.7	39	274	273	255.5	18	20.5	3.1	6.5
249	SG2410A	241	268.5	38	273.5	272.5	255.5	18	20.5	3.1	6.5
250	SG2410C	241	262.7	39	274	273	257	18	20.5	3.1	6.5
251	SG2450	245	274	42	278	277	266	19.5	21.5	3.1	6.5
252	SG2450A	245	264.5	32	269	268	257	14.5	17	2.8	5
253	SG2451	245	264.5	32	269	268	257	14.5	17	2.8	5
254	SG2500	250	277	44	284.6	283.6	266	20.5	22.5	3.1	6.5
255	SG2500	250	277	43	284.6	283.6	267	20.5	22.5	3.1	6.5
256	SG2500	250	277	44	285.6	284.6	267	20.5	22.5	3.1	6.5
257	SG2500A	250	270	30	274.7	273.7	262	14	16	2.8	5
258	SG2500B	250	270	30	273.9	273.7	262	14	15.5	2.8	5
259	SG2520	252	280	38	286.5	285.5	270	17	20	3.1	6.5
260	SG2600	260	288	40	295	294	276	18.5	20.5	3.1	6.5
261	SG2600A	260	288	40	298	297	276	18.5	20.5	3.1	6.5
262	SG2620	262	290	38	298	297	280	19	21.5	3.1	6.5
263	SG2650	265	293	38	298	297	280	18	20.5	3.1	6.5
264	SG2650A	265	292	44	298.5	297.5	280	20.5	22.5	3.1	6.5
265	SG2650B	265	293	38	297.5	296.5	280	20.5	22.5	3.1	6.5
266	SG2720	272	300	40	304	303	290	19	22	3.2	6.5
267	SG2720	272	300	40	306	305	290	19	22	3.2	6.5
268	SG2720A	272	300	40	305	304	290	19	22	3.2	6.5
269	SG2750	275	303	38	308	307	290	18	20.5	3.1	6.5
270	SG2750A	275	303	36	308	307	290	18	20.5	3.1	6.5
271	SG2770	277	297	30	301	300	292	14	15.5	2.5	5
272	SG2800	280	310	40	315.5	314.5	303	19	21.5	3.1	6.5
273	SG2820	282	314	40	320.5	319.5	300.5	19	21.5	3.1	6.5
274	SG2940	294	328	40	333	332	315	19	21.5	3.1	6.5
275	SG3000	298	328	42	333	332	315	19.5	21.5	3.1	6.5
276	SG2981	298	328	40.8	332.75	332	314.9	18	23	3.2	4
277	SG3000A	298	328	40.8	332	331	315	19.5	23	3.1	6.5
278	SG3001	300	328	40	333	332	314	19	24	3.1	6
279	SG3001A	300	328	40.8	333	332	314	19.5	21.5	3.1	6
280	SG3002	300	325	38	335.5	334.5	318	17.5	20.5	3.1	6.5
281	SG3003	300	325	38	332.9	332	315	19.2	22	3	6.5
282	SG3020	302	330	34	336.6	335.6	318	15.5	18.5	3.1	6.5
283	SG3030	303	328	38	334	333	318	18	20.5	3.1	6.5
284	SG3050	305	328	38	333	332	320	18	20.5	3.1	6.5
285	SG3090	309	337	40	341	340	324	19	21.5	3.1	6.5

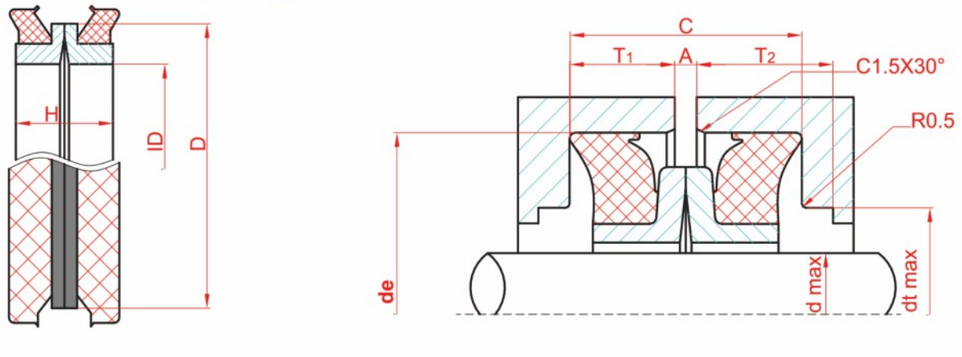
序号 Serial number	型号 Type	内径 D2	外径 D1	高度 H	谷径 dh	唇径 de	肩径 df	深度 t1	总深度 最小值 t2	圆弧距离 t3	座腔间隙 A
286	SG3140	315	347	40	353.3						
287	SG3180	318	346.5	38	351.6	350.6	334	18	20.5	3.1	6.5
288	SG3180	318	346	38	352	351	334	18	20.5	3.1	6.5
289	SG3180A	318	341	38	351.6	350.6	334	18	20.5	3.1	6.5
290	SG3210	321	346	38	351.5	350.5	334	21.5	23.5	3.1	6.5
291	SG3220	322	346	38	351.6	350.6	334	21.5	23.5	3.1	6.5
292	SG3350	335	368	40	373	372	356	19	21.5	3.1	6.5
293	SG3350	335	368	40	374.7	373.5	356	19	21.5	3.1	6.5
294	SG3400	338	368	40	375	374	358	19	21.5	3.1	6.5
295	SG3400A	340	369	38	374.8						
296	SG3500	350	375	38	385.5	384.5	368	17	20.5	3.1	6.5
297	SG3560	356	381	38	389.5	388.5	371	17.5	20.5	3.1	6.5
298	SG3660	366	394	38	400.3	398.5	381	17.5	20.5	3	6.5
299	SG3662	366	394	46							
300	SG3700	370	398	38	403.5	402.5	385	17.5	20.5	3	6.5
301	SG3800	380.5	405	40	412.2	410.5	395	17	22	3	4
302	SG3870	387	415	38	419.5	418.5	402	17.5	20.5	3	6.5
303	SG3870A	387	415	38	420.3	419.3	402	17.5	20.5	3.1	6.5
304	SG4290	429	457	38	462.3	461.3	444	17.5	20.5	3	6.5
305	SG4480	448	483.5	48	487.5						
306	SG4500	450	480	50	492.2	491.2	470	23.5	25.5	4	6
307	SG5050	505	533.4	44	538.4	537.4	521	19.7	21.7	4	6.5
308	SG5050A	505	533.4	44	538.4	537.4	521	19.5	22	4	6.5
309	SG5080	508	548	60	554.4	553.2	529	26	30	5	9
310	SG5300	530	560	50	572.2	571	545	23.5	25.5	4	6
311	SG5380	538	580	60	585	583.8	560	26	30	5	9
312	SG5550	555	590	42	595.5	594.3	575	20	23	4	6
313	SG5590	559	590	50	602	600.5	575	23.5	25.5	4	6
314	SG5880	580	608	43.6	613	611.5	596	19.7	21.7	6	6.5
315	SG5910	591	623	50	635.2	633.7	613	23.5	25.5	4	6
316	SG5960	596	628	43.6	613	611.5	596	19.7	21.7	4	6.5
317	SG6660	660	695	53	705.3	703.8	680	20	22.5	4	6
318	SG6670	667	700	50	705.6	704.1	687.7	21.3	26.2	4	6.3
319	SG7718	718	750	50	762.2	760.7	740	23.5	25.5	4	6
320	SG7740	740	801	80	816.9	815.4	784	34.5	39.5	6.5	10
321	SG7770	770	826	80	831.9	830.4	800	34.5	39.5	6.5	10
322	SG7780	780	836	80	841.9	840.4	810	34.5	39.5	6.5	10
323	SG8170	817	865	46.5	870.6	869.1	852.7	21.3	26.2	5	6.3





(DF型) 浮动油封型号表
(DF type) Floating Oil Seal Model Table

(DF型)浮动油封座腔
(DF type)Floating oil seal seat chamber

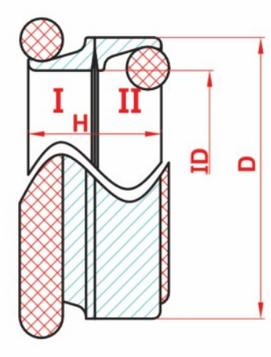


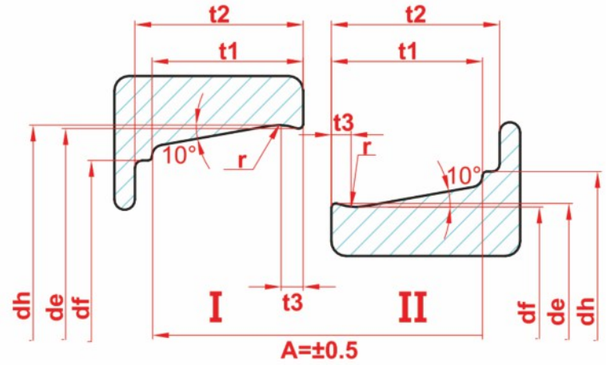


序号 Serial number	型号 Type	内径 D2	外径 D1	高度 H	谷径 dh	唇径 de	肩径 df	深度 t1	总深度 最小值 t2	圆弧距离 t3	座腔间隙 A
1	SG0460L	46.5	59	19	66.3	63.3	56	10.2	12	2	3
2	SG0500L	50.5	62.7	16.6							2.5
3	SG0530L	53.1	67	16.8	76.3	75.3	66	8	9	2	3
4	SG0735L	73.5	93.6	20	101.5	100.5	86	9	11	2	3
5	SG0735L	73.5	93	20							3
6	SG1060L	105.6	126	24.6	133.5	132.5	115	11.5	14	2.5	3
7	SG1490L	149	168	30							5
8	SG1690L	169	195	33	205.5	204.5	188	14.5	17	2.8	5
9	SG2270L	227	260	41							4
10	SG2330L	233.5	259	36							6
11	SG2460L	246	270	40							3
12	SG3200L	320	352	40	365.1	364.1	334	19	21.5	3.1	2
13	SG3780L	378	414	42							3
14	SG4410L	442	478	42							2.5

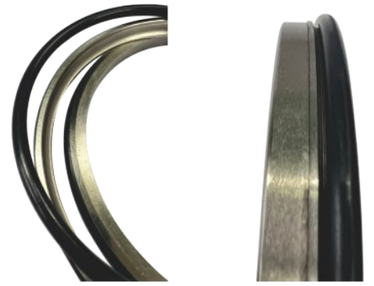
(XY型) 浮动油封型号表
(XY type) Floating Oil Seal Model Table

(XY型)浮动油封座腔
(XY type) Floating oil seal seat chamber









序号 Serial number	型号 Type	内径 D2	外径 D1	高度 H	谷径 dh	唇径 de	肩径 df	深度 t1	总深度 最小值 t2	圆弧距离 t3	座腔间隙 A
1	SG0554	55.4	64.7	4.7							3
		64.7	55.4	5.41							3
2	SG1070	117.7	107	6.9	103.5	104.3	6.5	7.5	111	0.8	3
		107	117.7	6.9	121.5	120.7	115.1	6.5	7.5	0.8	3
3	SG1235	136.3	123.5	8							3
		123.5	136.3	8							3

(AB型) 浮动油封型号表
(AB type) Floating Oil Seal Model Table



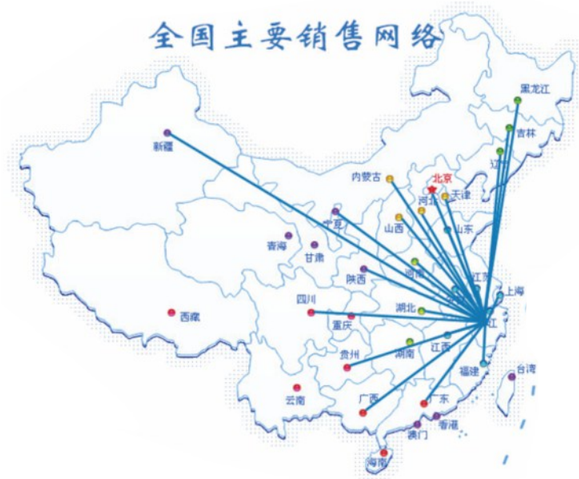
序号 Serial number	型号 Type	内径 D2	外径 D1	高度 H	谷径 dh	唇径 de	肩径 df	深度 t1	总深度 最小值 t2	圆弧距离 t3	座腔间隙 A
1	SG115AB	111.5 115	136.5 134.9	14.7 10							
2	SG140AB	140 147	155 165	13 8							
3	SG150AB-1	150 156	171 177	16 11							
4	SG150AB-2	150 160	171.7 180	20 11							
5	SG154AB	154 166	174 184	16 10							
6	SG163AB	163 181.5	191 203.2	19 10							
7	SG178AB	178 182.6	200 210	19 11.2							
8	SG192AB	192 201	215 230	16.5 13.2							
9	SG220AB	220 225	246 260	18 13							
10	SG225AB	225 222	253 254.7	18.5 11							
11	SG245AB	209 216	234 245	21 10.5							
12	SG249AB	250 248	277 290	22 13							
13	SG260AB	209 216	234 260	21 13.5							
14	SG284AB	250 247	277 284	22 13.3							

高品质与服务赢得国内与国际市场
Win The Domestic and International Markets with Excellent Quality and Good Service

国际销售网 International Market



国内销售网 Domestic Market





浙江创丰密封科技有限公司
ZHEJIANG CHUANGFENG SEALING TECHNOLOGY CO., LTD

新厂区5万平方
50000 Square Meters
Of New Factory Area