



### 上海瑞密机械有限公司

Shanghai RUIMI Machinery CO.,LTD

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### 上海瑞禾船务工程有限公司

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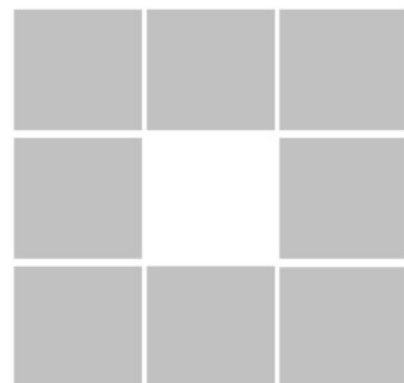


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秉承“高品质、优服务、求创新”的企业宗旨，瑞密公司已经发展成为品质优良、品类齐全的橡胶密封件及五金配件生产与服务企业，产品广泛应用于船舶、军工产品、石油化工设备、冶金机械、工程机械、食品化工机械、发电设备、家用电器、汽车、摩托车配件、液压气动元件等行业，市场已覆盖到国内及东南亚、西欧和北美等地区。瑞密人正通过过程与方法的不断改进，领导力与员工竞争力的协调发展，持续和开放的创新，致力于为客户提供更好的产品与更完善的服务。



RUI MI JIXIE

上海瑞密机械有限公司是专业生产高品质橡胶密封件、橡塑杂件、五金机械零配件的规模化企业。公司依托业内领先的技术人才及规模化管理优势，发展成为专业的橡胶及五金机械零配件生产商。

经过多年的发展，公司产品已涵盖船用密封圈、O形圈、U形圈、格来圈、斯特封、油封、V形夹布、胶条、胶板、石墨盘根、F4青铜导向带、泛塞封等近二十余种系列产品，同时集五金加工、模具制造于一体，组成了相对完善的产品服务链，解决了客户的各种需求，得到了市场的广泛认可。

瑞密公司的快速发展得到了社会及主管部门的高度肯定。为进一步完善市场服务体系，2010年，上海瑞密机械有限公司成立了全资子公司——上海瑞禾船务工程有限公司。公司专业致力于船舶备件供应、订做、加工等业务，并具备独立进出口资质。为客户提供更完善的服务与更专业的个性化支持。

为应对市场的各种需求，完善产品系列，瑞密公司同时代理销售国际进口密封件，如：日本NOK、美国PARKER、台湾DZ等。为客户的产品需求及应用提供了更多的选择。

瑞密公司始终坚持视产品品质为生命的经营原则，充分依托人才、技术及管理的优势，严格把控产品质量，不断完善管理水平，贯彻执行ISO9001质量管理体系。瑞密人以质量服务求生存，以科技进步图发展。严格的质量控制与规范管理，赢得了众多客户的高度赞誉，也成为瑞密公司快速发展的基石。

创新是企业发展的不竭动力，而人才则是创新的直接推动力。上海瑞密机械有限公司始终将人才放在公司发展的重要地位，不断营造良好的人力资源环境与发展空间，将公司发展与员工的成长进行高度的同步，人才正成为瑞密不断创新、不断进步、不断获取领先优势的有效资源。

Shanghai Ruimi Mechanical Limited Company is a large scale enterprise that specially produces high quality rubber seal ,rubber-plastic parts, hardware mechanical spare parts. The company relies on our professional engineers and management team, is developing to be a specialized manufacturer of rubber products and hardware spare parts for mechanical industries.

We have been serving the industries for many years with our high quality products including seal for marine use, O-ring, U- ring, Glyd Ring, Step Seal, Oil seal, V-shape shabric, rubberized stripe, bakelite, graphite, F4 bronze directional belt, fansai seal and so on, more than twenty product series. Meanwhile we also have our own engineering team dealing with mould design and manufacturing, quality control team to meet our clients' demands and professional engineers to insure successful admission to the market.

The rapid development of Shanghai Ruimi Mechanical Limited Company has won the reward of the society and government. In 2010 Shanghai Ruimi Mechanical Limited Company established a subsidiary branch company Shanghai Ruihe Marine Engineering Limited Company to provide the industry with professionally focused service. The company's mission is to becoming a preferred supplier of spare parts for marine use, ideal provider of sealing engineering solution. In addition we have also established import and export business channels, providing our clients with better service and support across the world.

To meet the increasing demand of our clients for specified product series, Ruimi Company has been also distributing other international brands of seal products such as Japanese NOK ,The American PARKER, Taiwan DZ ,Busak-shamban and so on, providing our clients with more choices of product demand.

Ruimi Company always keeps the business principle that the product quality is the key to success and we have our leading engineers, technologists and professional managers to guard and control product quality. We have been continually improving management level, adopting ISO 9001 quality control system. We are actively taking the challenge today in order for us to be more competitive tomorrow, winning customer's royalty by our high-quality service and technological advance. Our quality control and professional management has won deep appreciation from our clients, become the development foundation of Ruimi company.

Technological innovation is another key to the development of our company, and talent people are the most important factor of innovation. Shanghai Ruimi Mechanical Limited Company always attracts more talents to join our company, persistently maintains good human resource environment. Our talent engineers and professional managers have been playing the most important roles in serving our customers.

We have been keeping the business principle of "high quality, good service and non-stopping innovation" and Shanghai Ruimi Mechanical Limited Company has become well-known for high quality and good service in all sorts of merchant of rubber seal and hardware spare parts. Our products are widely applied to shipyard, military purpose, oil chemical industry, metallurgy industry, engineering equipment, food industry, power plant, appliance industry, automotive industry, motorcycle parts, liquid pressure air moving components and so on. The market has been all over the world, including China and south-east Asia, Europe ,North America ,Ruimi team members are committed to provide clients with better product and better service by ways of continued improvement of process and management, ever-lasting innovation and sustainable responsibility for society and environmental protection.





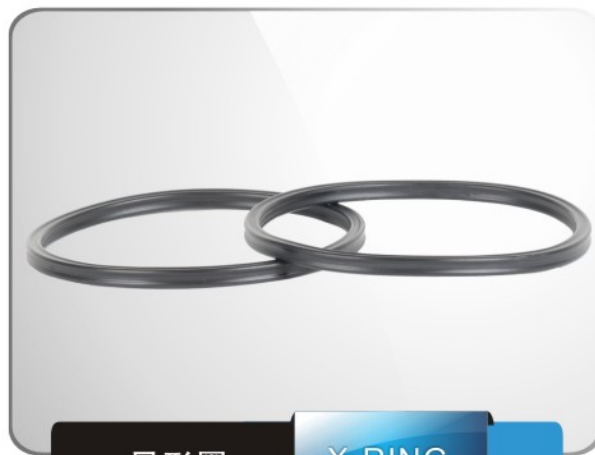
O形圈

O-RING

**适用工况：**

- ◆ 动、静密封场合
- ◆ 工作压力：0~25Mpa (配挡圈)
- ◆ 工作速度：<2.0m/s
- ◆ 工作温度：-60℃~+250℃  
(取决于选用的材质)

**材料：** NBR、FKM、PMQ、EPDM、PU...



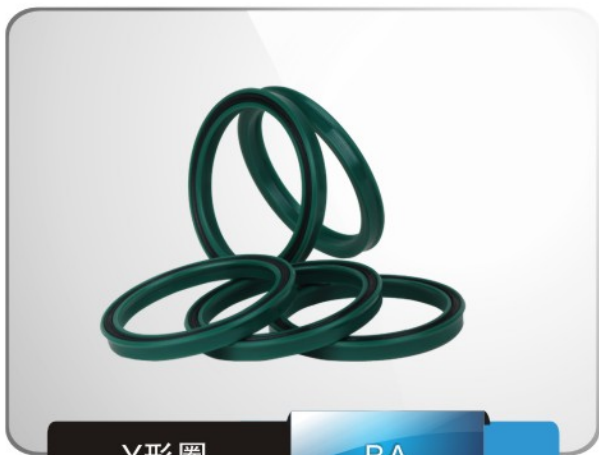
星形圈

X-RING

**适用工况：**

- ◆ 动、静密封场合
- ◆ 工作压力：0~25Mpa (配挡圈)
- ◆ 工作速度：<2.0m/s
- ◆ 工作温度：-60℃~+250℃  
(取决于选用的材质)

**材料：** NBR、FKM



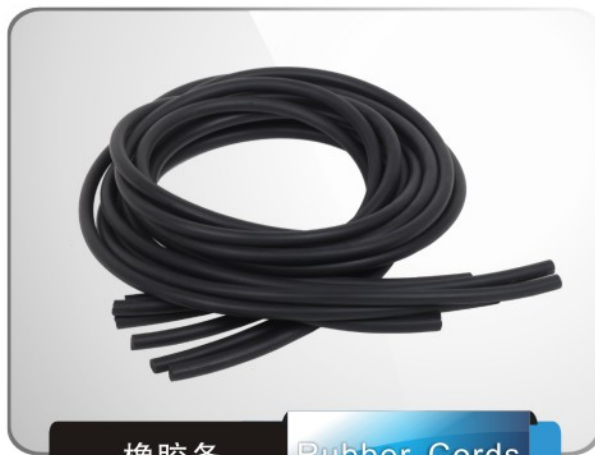
Y形圈

BA

**适用工况：**

- ◆ 应用于密封柱塞、伸缩缸锻压机以及行走设备用液压装备
- ◆ 工作压力：0~35Mpa
- ◆ 工作速度：<0.5m/s
- ◆ 工作温度：-35℃+80℃

**材料：** PTFE+NBR



橡胶条

Rubber Cords

**适用工况：**

- ◆ 各种强酸碱、蒸汽、热油、场合密封
- ◆ 工作压力：-
- ◆ 工作速度：-
- ◆ 工作温度：-60℃~+250℃  
(取决于选用的材质)

**材料：** NBR、FKM、PMQ、EPDM



孔用格来圈 Piston Seals Series

**适用工况：**

- ◆通用机械、机床、行走机械的液压系统
- ◆工作压力：0-60Mpa
- ◆工作速度：< 15m/s
- ◆工作温度：-45℃ ~ +200℃  
(取决于O形圈的材质)

**材料：** PTFE+NBR/FKM

**产品型号：** GSF GSD GSF-S



轴用斯特封 Rod Seals Series

**适用工况：**

- ◆通用机械、机床、行走机械的液压系统
- ◆工作压力：0-60Mpa
- ◆工作速度：< 15m/s
- ◆工作温度：-45℃ ~ +200℃  
(取决于O形圈的材质)

**材料：** PTFE+NBR/FKM

**产品型号：** GSJ GSI GSJ-S



星型双O圈组合 Piston Seals Series

**适用工况：**

- ◆活塞式蓄能器、液压系统
- ◆工作压力：0-60Mpa
- ◆工作速度：< 3m/s
- ◆工作温度：-45℃ ~ +200℃  
(取决于O形圈的材质)

**材料：** PTFE+NBR/FKM

**产品型号：** AQ AQF



轴用旋转格来圈 Rotary Seals Series

**适用工况：**

- ◆液压系统、旋转密封
- ◆工作压力：0-30Mpa
- ◆工作速度：< 2m/s
- ◆工作温度：-45℃ ~ +200℃  
(取决于O形圈的材质)

**材料：** PTFE+NBR/FKM

**产品型号：** GSF GSD GSF-S



刮油环

GSZ

**适用工况：**

- ◆通用液压系统
- ◆工作压力：-
- ◆工作速度：< 15m/s
- ◆工作温度：-50℃ ~ +200℃  
(取决于O形圈的材质)

**材料：** PTFE+NBR/FKM



支撑环

Supporting ring

**适用工况：**

- ◆通用液压系统、工程机械
- ◆工作压力：-
- ◆工作速度：< 15m/s
- ◆工作温度：-60℃ ~ +200℃  
(取决于选择用的材质)

**材料：** POM、PA



导向环

GST

**适用工况：**

- ◆通用液压系统
- ◆工作压力：-
- ◆工作速度：-
- ◆工作温度：-60℃ ~ +200℃

**材料：** PTFE



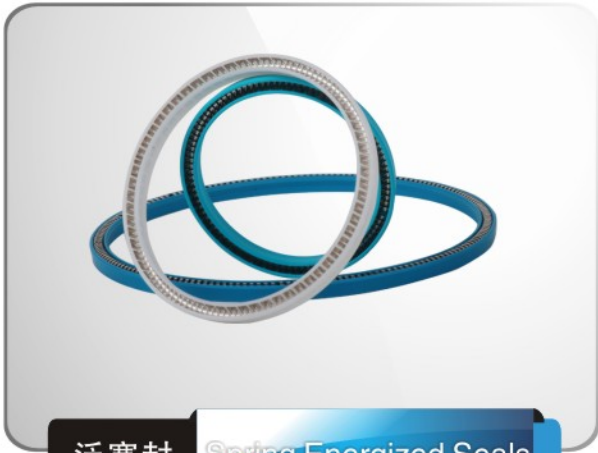
导向带

GST

**适用工况：**

- ◆液压系统、陶瓷机械
- ◆工作压力：-
- ◆工作速度：< 15m/s
- ◆工作温度：-60℃ ~ +200℃

**材料：** PTFE



泛塞封 Spring Energized Seals

**适用工况：**

- ◆ 化工通用机械、食品机械
- ◆ 工作压力：0-45Mpa
- ◆ 工作速度：<15m/s
- ◆ 工作温度：-55℃ ~ +260℃

**材料：** PTFE+不锈钢弹簧

**产品型号：** PTU PTA PTB



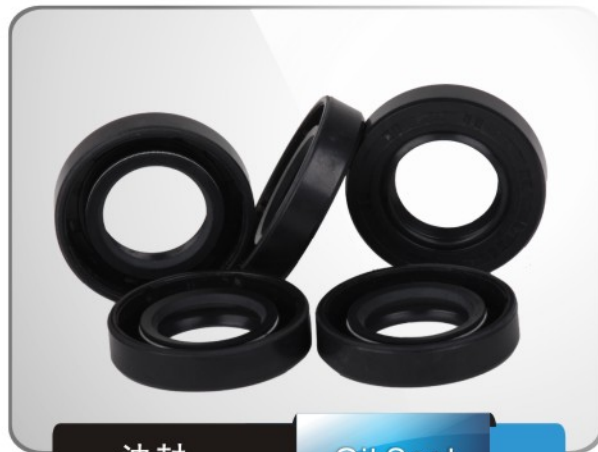
泛塞封 Spring Energized Seals

**适用工况：**

- ◆ 液压油缸、化工机械
- ◆ 工作压力：0-15Mpa
- ◆ 工作速度：<2m/s
- ◆ 工作温度：-55℃ ~ +260℃

**材料：** PTFE+不锈钢弹簧

**产品型号：** PTUF PTW



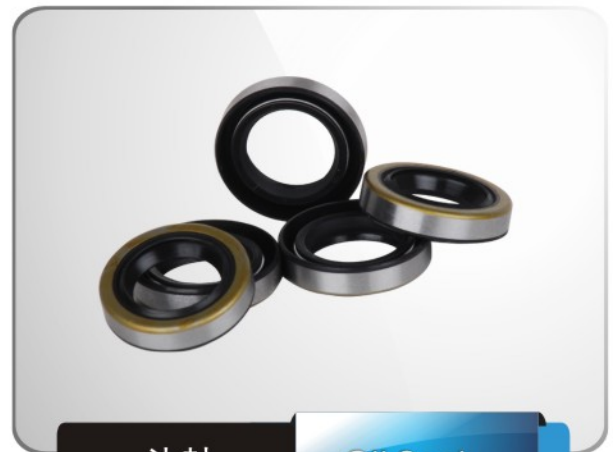
油封 Oil Seal

**适用工况：**

- ◆ 工作压力：-
- ◆ 工作速度：<12m/s
- ◆ 工作温度：-30℃ ~ +200℃  
(取决于选用的材质)

**材料：** NBR/FKM/EPDM+骨架

**产品型号：** SC TC



油封 Oil Seal

**适用工况：**

- ◆ 工作压力：-
- ◆ 工作速度：<12m/s
- ◆ 工作温度：-30℃ ~ +200℃  
(取决于选用的材质)

**材料：** NBR/FKM/EPDM+骨架

**产品型号：** SB TB



泛塞封 Spring Energized Seals

**适用工况：**

- ◆ 化工机械、密封接头
- ◆ 工作压力：0-45Mpa
- ◆ 工作速度：静密封和低速旋转
- ◆ 工作温度：-55℃ ~ +260℃

**材料：** PTFE+不锈钢弹簧

**产品型号：** PTC PTD



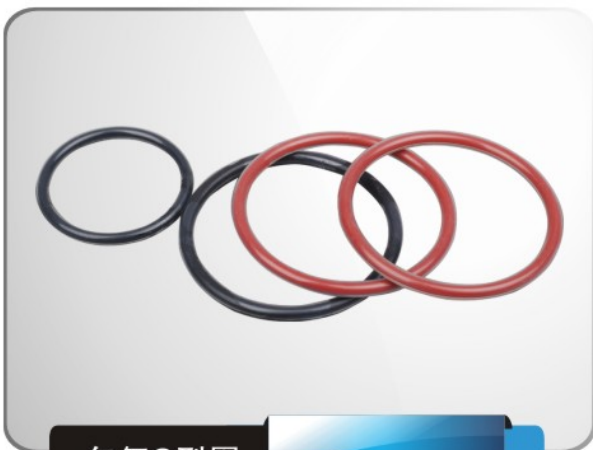
浮动油封 PTFE Oil

**适用工况：**

- ◆ 通用机械和化工通用
- ◆ 工作压力：0-2Mpa
- ◆ 工作速度：< 10m/s
- ◆ 工作温度：-60℃ ~ +200℃

**材料：** PTFE+不锈钢

**产品型号：** FD-A FD-C

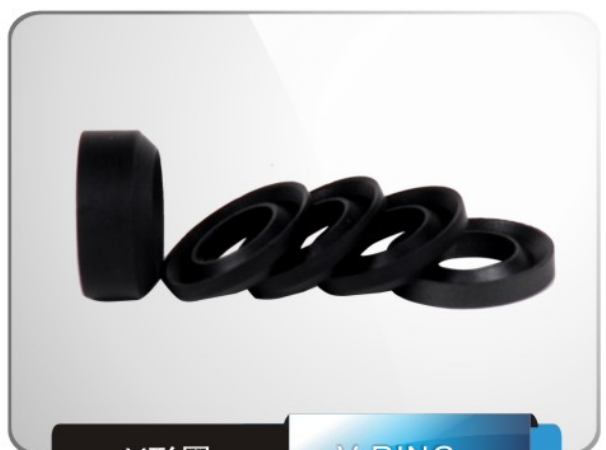


包氟O型圈

**适用工况：**

- ◆ 用动、静密封场合
- ◆ 工作压力：0-25Mpa
- ◆ 工作速度：< 2m/s
- ◆ 工作温度：-60℃ ~ +220℃  
(取决于选用的材质)

**材料：** PMQ/FKM+PTFE



V形圈 V-RING

**适用工况：**

- ◆ 液压油缸、采矿机械、冶金机械水处理
- ◆ 工作压力：0-35Mpa
- ◆ 工作速度：< 0.5m/s
- ◆ 工作温度：-20℃ ~ +200℃  
(取决于选用的材质)

**材料：** NBR/FKM+夹布、PTFE



防尘圈 Scrapers Series

**适用工况：**

- ◆ 液压系统通用
- ◆ 工作压力：-
- ◆ 工作速度：<1m/s
- ◆ 工作温度：-30℃ ~ +120℃  
(取决于选用的材质)

**材料：** NBR/PU+骨架

**产品型号：** FB DKB



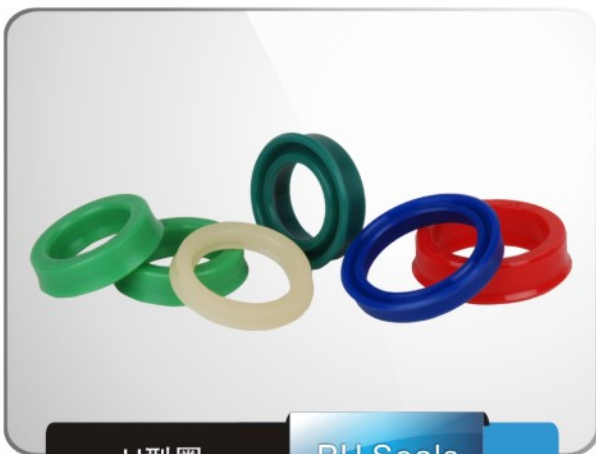
防尘圈 Scrapers Series

**适用工况：**

- ◆ 液压系统通用
- ◆ 工作压力：-
- ◆ 工作速度：<1m/s
- ◆ 工作温度：-30℃ ~ +200℃  
(取决于选用的材质)

**材料：** RP、NBR、FKM、PU

**产品型号：** FA FC



U型圈 PU Seals

**适用工况：**

- ◆ 液压系统、标准液体缸
- ◆ 工作压力：0-35Mpa
- ◆ 工作速度：<0.5m/s
- ◆ 工作温度：-30℃ ~ +200℃  
(取决于选用的材质)

**材料：** RP、NBR、FKM、PU

**产品型号：** YA YXD YXd



橡胶杂件 RUBBER SEALS

**应用于：**

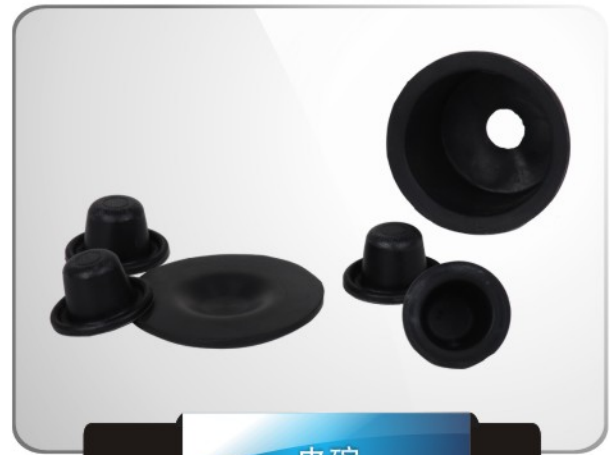
食品医疗器械、石油化工、工程机械、冶金、矿产机械、航天设备等军工产品。

**材料：** NBR、FKM、PMQ、EPDM、PU、PTFE...

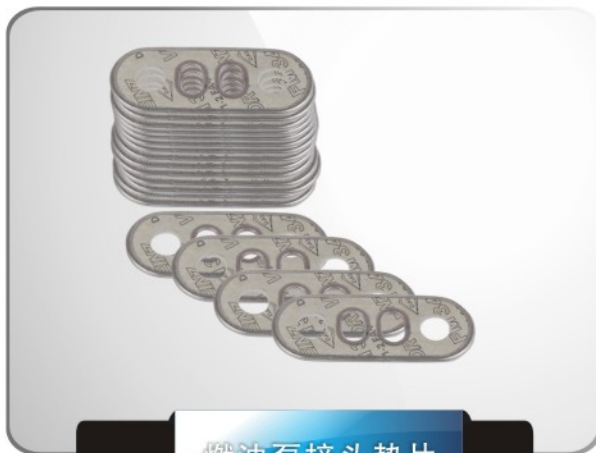




弹簧密封圈



皮碗



燃油泵接头垫片



喷嘴



主机配件适用机型：

二冲程低速柴油机机型  
 中速柴油机机型  
 S26MC  
 L35MC S35MC  
 L42MC S42MC  
 S46MC-C  
 L50MC S50MC S50MC-C  
 L60MC S60MC S60MC-C  
 L70MC S70MC  
 K80MC-C S80MC S80ME-C  
 K90MC-C



衬套



拉伸器密封圈



刮油环



阀杆密封

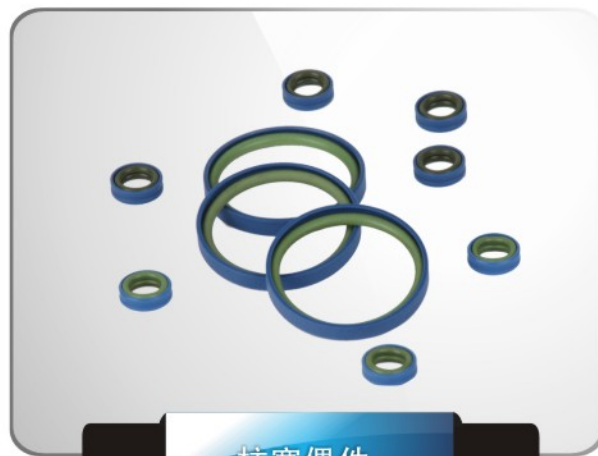


**主机配件适用机型：**

二冲程低速柴油机机型  
中速柴油机机型  
S26MC  
L35MC S35MC  
L42MC S42MC  
S46MC-C  
L50MC S50MC S50MC-C  
L60MC S60MC S60MC-C  
L70MC S70MC  
K80MC-C S80MC S80ME-C  
K90MC-C



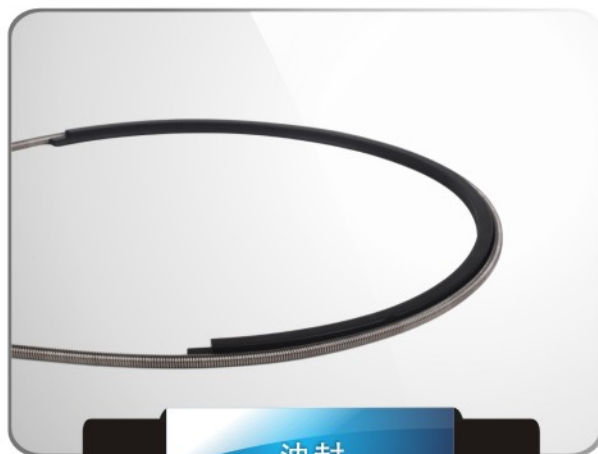
活塞密封



柱塞偶件



弹簧密封圈



油封



**主机配件适用机型：**

二冲程低速柴油机机型  
中速柴油机机型  
S26MC  
L35MC S35MC  
L42MC S42MC  
S46MC-C  
L50MC S50MC S50MC-C  
L60MC S60MC S60MC-C  
L70MC S70MC  
K80MC-C S80MC S80ME-C  
K90MC-C

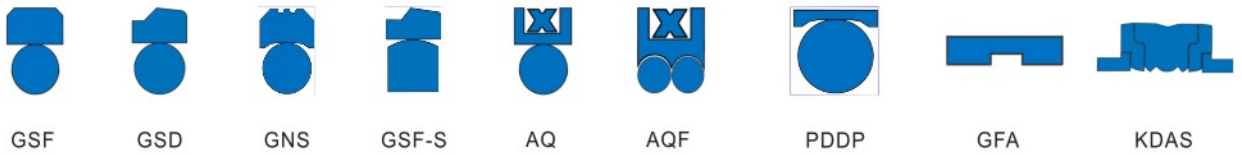


名称 Name	代号 Code	特点 Characteristics	用温度 Temperature(°C)	应用场所 Application
丁腈胶 Nitrele- Butadiene Rubber	NBR	耐磨性、抗透气性和耐油性好, 适用于矿物液液压油、润滑油、硅油、阻燃液和80℃的热水中。不适用于极性溶剂、刹车液。耐臭氧性、耐侯性一般, 但因一般密封件是安装于油缸内而不会受此影响。Good mechanical technological parameters, e.g. high abrasion resistance, low gas permeability and good resistance to mineral oil based lubricating oils and greases, hydraulic oils, highly non-flammable hydraulic fluids HFA, HFB, HFC, silicone oils and greases, water up to approx. 80° C. NBR is generally not resistant to polar solvents, glycol-based brake fluids and highly non-flammable hydraulic fluids HFD. It has a low resistance to ozone, weathering and ageing. In most hydraulic applications this has no effect because the hydraulic seals are installed internally in the hydraulic components.	-30~+120	因其综合机械性能好、耐油性好, 是最为广泛使用的液压密封材料。NBR is frequently used in the hydraulic field due to its good mechanical characteristics and resistance to mineral oil based lubricating oils and greases.
氟橡胶 Fluoroelastomer	FKM	耐高温和耐介质性能好, 即使在高温情况下, 依然能保持好的耐介质性和抗压变形。FKM is a fluorocarbon elastomer with high thermal and chemical resistance. Its broad spectrum of resistance and relatively good compression set, even at high temperatures.	-20~+200	阻燃、抗透气性好。应用于高温、抗臭氧和耐侯性要求高的场合。FKM is known especially for its non-flammability, low gas permeability and excellent resistance to ozone, weathering and aging.
聚氨酯 Polyurethane	PU	机械强度高, 耐磨性、抗挤出性、抗高压性、抗撕性好, 扯断强度高。弹性和抗臭氧性不错。PU materials display higher mechanical strength, high abrasion, wear and extrusion resistance, high pressure load capacity, as well as a high tear and elongation at break resistance. Also have good flexibility and very good ageing and ozone resistance.	-45~+110	广泛应用于矿物液液压油、硅油、HFA/HFB型阻燃液。PU materials are suitable for application in mineral oils and greases, hydraulic oils, silicone oils, and greases to ozone, weathering and aging.
硅胶 Silicone Rubber	PMQ/VMQ	耐热、介电性能好, 低温弹性好, 耐侯性、抗臭氧性和抗UV性能好。一般不适用于矿物油。VMQ/PMQ shows excellent heat resistance, cold flexibility, dielectric properties and especially good resistance to weather, ozone and UV rays. Not suitable for oil based fluid.	-60~+230	广泛适用于食品和低温环境。Foodstuff and cryogenic engineering.
三元乙丙橡胶 Ethylene Propylene Diene Rubber	EPDM	耐热性、耐臭氧性和耐侯性好, 弹性、低温性能和绝缘性能不错。EPDM shows good heat, ozone and aging resistance. In addition they also exhibit high levels of elasticity, good low temperature behavior as well as good insulating properties.	-50~+150	适用于高温环境的矿物油。Mainly use in mineral oil at high temperature.
氢化丁腈橡胶 Hydrogenated Nitrile Butadiene Rubber	HNBR	综合机械性能好。在矿物油中其使用温度为-30~-140℃, 短时间可达160℃。HNBR shows good mechanical properties. The operating temperature of HNBR ranges between -30° C and +140° C (for a short period of time up to +160° C) in contact with mineral oils.	-30~+140	适用于高温环境的矿物油。Mainly use in mineral oil at high temperature.
聚四氟乙烯 Polytetrafluor oethylene	PTFE	纯PTFE能耐几乎所有的液压介质、溶剂和各种化学介质, 具有极低的摩擦系数, 无爬行现象。抗臭氧性、耐侯性极佳, 具阻燃性。为改善其抗冷流性, 通常在制造密封件时会加入填充材料。PTFE display almost universal chemical resistance, an extremely low friction value which results in very good sliding characteristics, no stick-slip effect, particular rigidity and almost unlimited ozone, weathering and ageing resistance. PTFE is impervious to almost all known hydraulic media, lubricants, chemicals and solvents. PTFE is non-flammable and so does not constitute an additional hazard in cases of fire. Pure PTFE is not totally without disadvantages as it has a tendency to cold flow or crawl under pressure load. These weaknesses are counteracted by the use of seal compounds mixed with filler.	-55~+260	纯PTFE特别适合于食品、饮料和制药行业。填充PTFE几乎适用于所有工况, 一般使用弹性体或弹簧做弹性件与之配合使用, 广泛应用于液压、压缩机、化工等各行各业。Pure PTFE is particularly suitable for food and beverage applications, pharmaceuticals and medical application areas. PTFE is not or only slightly elastic. For this reason, PTFE seal elements are activated by elastic energising elements in the form of o-rings or stainless steel springs. Compounds filled with bronze for example, give PTFE the ability to adapt to most application conditions.

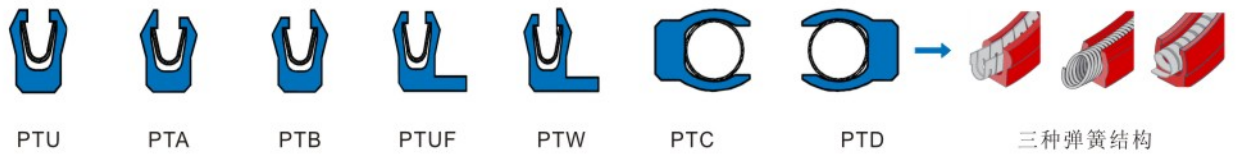
活塞杆用系列 Rod Seals Series



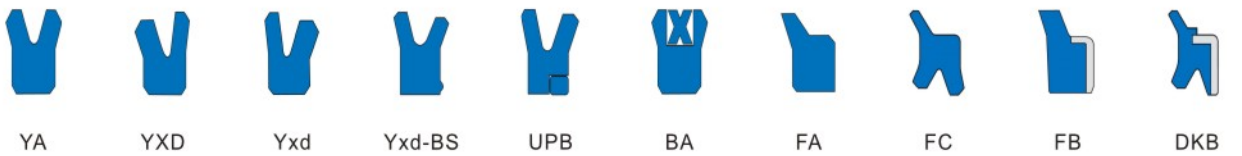
活塞用系列 Piston Seals Series



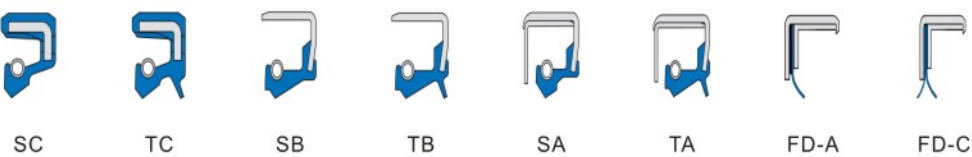
泛塞封系列 Spring Energized Seals



Pu系列 PU Seals



油封系列 Oil Seals





一、液压密封型号 Type of Hydraulic Sealing

图例	活塞用Y型	活塞杆用Y型	活塞杆轴通用	斯特封	格来圈	普通防尘	双作用防尘	骨架防尘
品牌								
国标	JB/Q4264	JB/ZQ4265	GB10708.1	GB/T15242.1	GB/T15242.1	GB10708.3	GB10708.3	GB10708.3
	YxD	Yxd	Y型	Gsj	GSF	FA	FC	FB
DZ	D-1	D-2	UN			DH-05	DH	ME-3
DICHTOMATIK	MA28	MA30	Ma25	S31	K30	A42	AD48	AM44
MERKEL	Na300	T20	AUN	OMS-MR	OMK-MR		PUII	AUASR
PARKER	B7	B4	-	OD	OE	A5	AY	
NOK	ODI	IDI	UPI	SPNO	SPGO	DSI	LBI	DKI
HALLITE	606	605	601	16	71	33	839	860
SJ	KOD	KSS	KUS	KSK	KCP	KDD	KWS	KWT

二、骨架油封型号 Type of Oil Sealing

图例	内包单唇油封	内包双唇油封	外露单唇油封	外露双唇油封	组合单唇油封	组合双唇油封
品牌						
GB13871-92	B	FB	W	FW	Z	FZ
DICHTOMATIK	WA	WAS	WB	WBS	WC	WCS
CFW	BA	BASL	B1	B1SL	BS	B2SL
NOK	SC	TC	SB	TB	SA	TA
ATS&FP	G	GP	M	MP	L2M	L2P
CR	HMS4	HMSA1	CRW1	CRWA1	CRWH1	CRWHA1
DIN3760	A	AS	B	BS	C	CS
KACO	DG	DGS	DF	DF	DF	DFSK
GOETZE	827N	827S	822N	822S	824N	824S
STEFA	CB	CC	BB	BC	DB	DC
NATIONAL	350000	320000	480000	470000	-	-

备注：以上对应型号类似，尺寸规格有所差异，请与确认后订购。