



JPGW

活塞组合密封

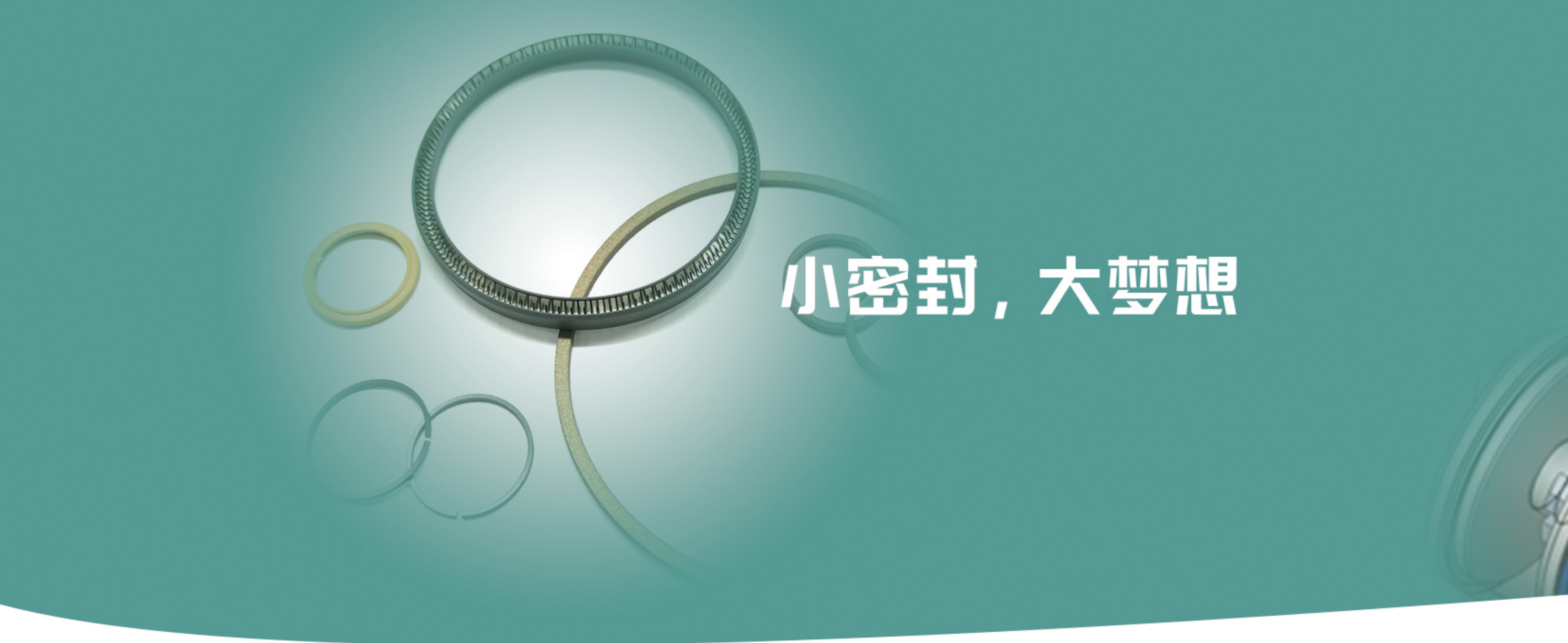
PISTON COMPACT SEAL - JPGW

优质密封·晶邦智造

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HIGH PRESSURE RESISTANT
GOOD DYNAMIC & STATIC SEAL PERFORMANCE
SIMPLE GROOVE DESIGN
LONG SERVICE LIFE



小密封，大梦想

晶邦简介 ABOUT US

广州市晶邦密封技术有限公司是中国氟塑料加工协会副理事长单位、氟塑料加工行业卓越贡献企业，专业从事各种应用场景的密封件的研究、生产、销售。

2003年创立至今，公司注册资金3000万，拥有2万平方米的自有生产基地，年产各类密封件5000万件；以填充聚四氟乙烯精加工系列产品为核心，服务于汽车、工程机械、石油化工、风电等多个行业。公司一直致力于信息化和标准化的质量管理体系建设，已完成了具有晶邦特色的OA、ERP、MES信息化管理系统并通过质量管理体系认证ISO9001:2015、IATF16949:2016、有害物质管理体系认证QC080000:2017、环境管理体系认证ISO14001:2015及职业健康管理体系认证ISO45001:2018；是国家高新技术企业、广东省专精特新企业。

公司注重实验室建设，建成了国内密封件较为完备先进的产品研发、生产过程控制检测实验室，与原材料生产企业及应用终端深度合作，为密封件产业链提供完善的解决方案！

产品目录 SEAL TYPE OVERVIEW

 GSJ	 GSF	 GSZ2	 JBUN	 JBR5-S
 GSI	 GSD	 GSZ5	 JB-1	 GSF-S
 JDI	 JDA	 IPT2	 JB-2	 GY1
 JDMI	 JDMA	 IPT2	 JB-3	 GY2
 JGDI	 JGDA	 JKZT	 JB-6	 GP1
 JPNC	 JPGC	 GR5	 JB-7	 GP2
 JPNO	 JPGO	 GNS	 JB-10	 GSDR
 JPN	 JPG	 JRDI	 JB-17	 GSM
 KGB	 JPGW	 JRDA	 JBDH	 JFI
 OB	 JAQ2	 GST	 JBDH-3	 JFA
 JTVM	 JAQ5	 JPW	 JBDH-4	 JFAI
 JRVA	 JDKK	 JBF	 JBDH-5	 GVA
 VEES	 JKDF	 JBT	 JBDH-7	 TC

SMALL SEALS, BIG DREAMS.

Guangzhou Jingbang Seal Technology Co., Ltd (JBS) is the standing director unit of China Fluoroplastics Processing Association, specializing in the research and development, production and sales of hydraulic and pneumatic seals.

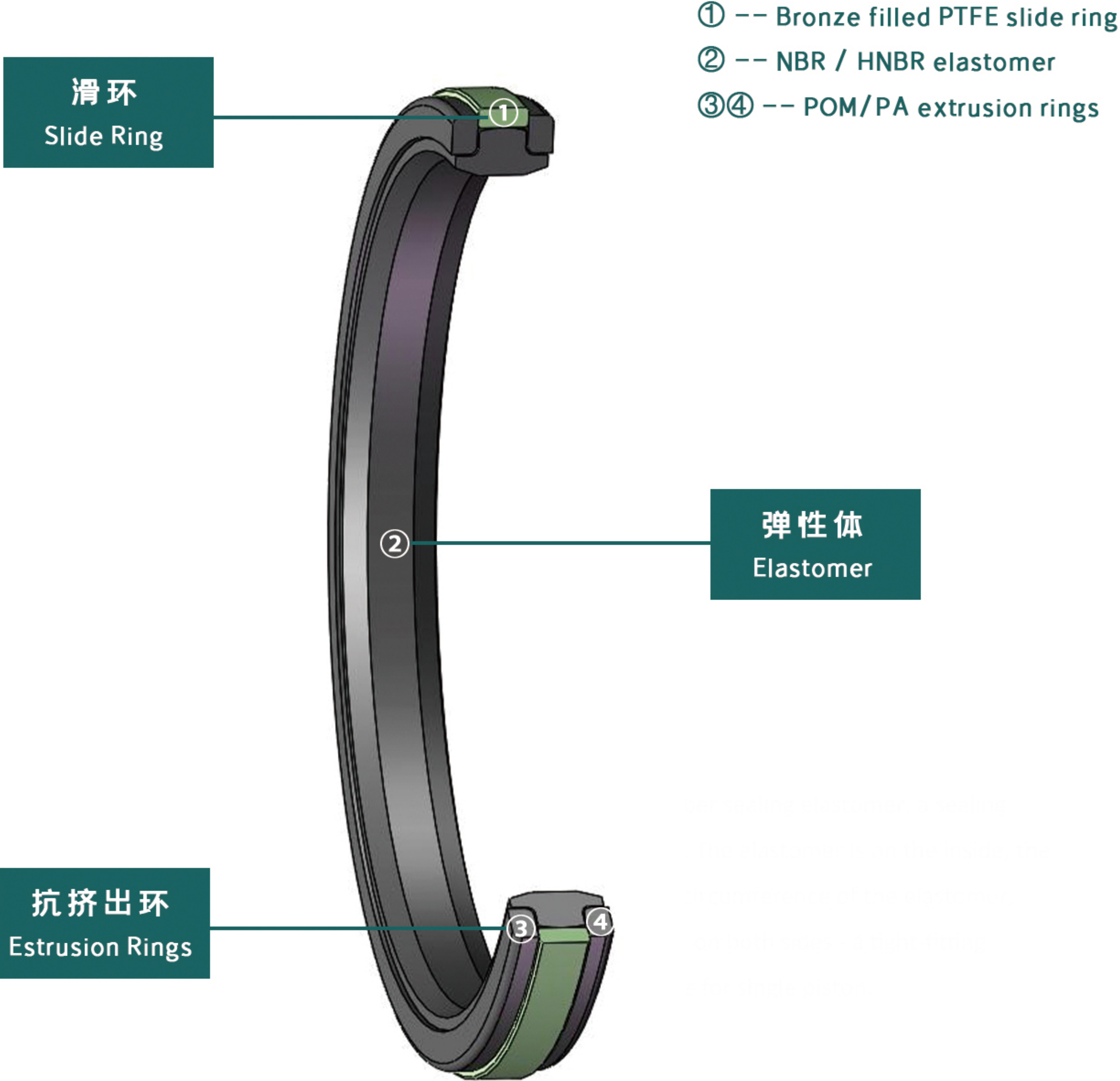
JBS was established in 2003 with a self-owned production plant of 20,000 square meters, registered capital of 30 million yuan. We produce various kinds of seals with an annual output 50 million pieces. Our filled PTFE precision-processed sealing products are widely used in automobiles, construction machinery, wind power generation, agricultural machinery, petrochemicals and other industries. JBS has been committing to the construction of informatization and standardized quality systems, establishes the OA, ERP, MES information management system with Jingbang characteristics and passed quality management system certifications ISO9001:2015, IATF16949:2016, and hazardous substances management system certification QC080000. :2017, environmental management system certification ISO14001:2015 and occupational health management system certification ISO45001:2018.

JBS attaches great importance to the construction of laboratories, and has built an advanced product research and development, production process control testing laboratory and in-depth cooperation with raw material manufacturers and customers, provides complete seal solutions for the industry chain.

密封圈结构 Description

JPGW 由一个橡胶密封弹性体、一个密封环、两个挡圈组成，弹性体在内侧，密封环套在弹性体外圆侧，两边各放一个挡圈，适用于单活塞的紧素型双向活塞密封。

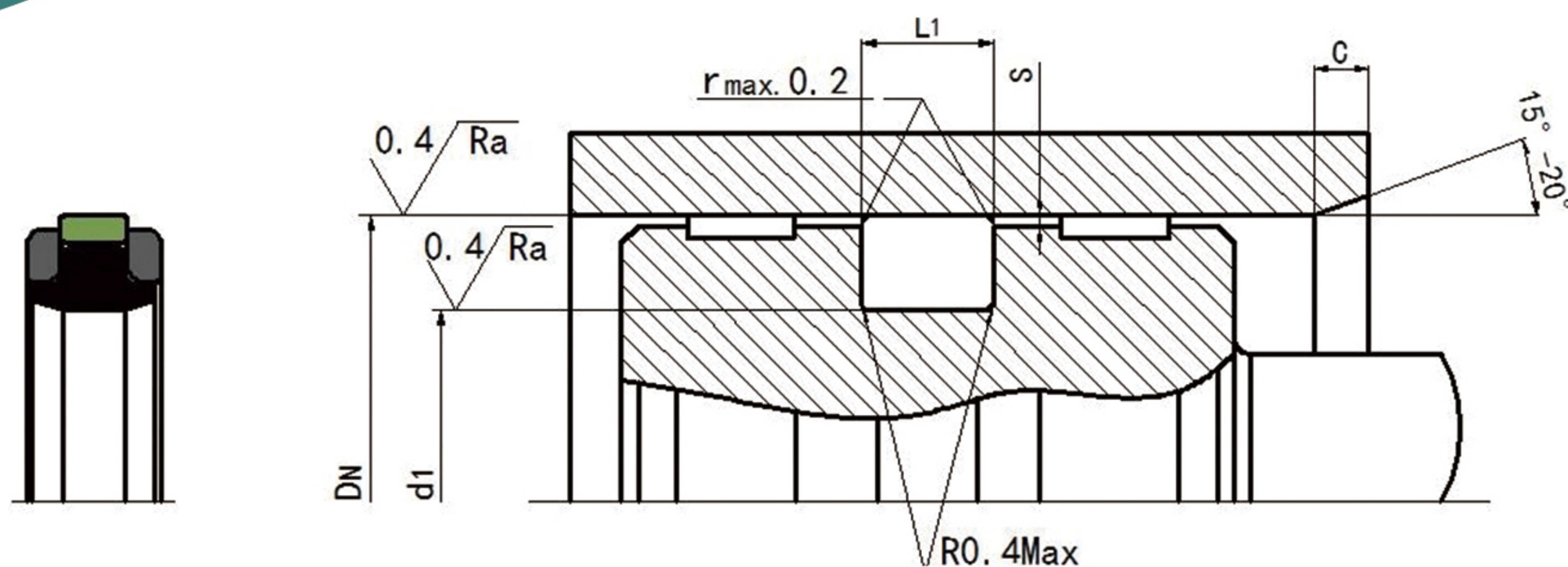
The JPGW is composed of a central T-shaped rubber elastomer, a slide ring on the outer diameter side, and two side extrusion rings. It is suitable for compact pistons with double-acting sealing.



P/N	DN	d1	H	L1+0.2	C
JPGW1200 *	120	105	12	12.5	6.5
JPGW1250 *	125	102	15.5	16	6.5
JPGW1300 *	130	107	15.5	16	6.5
JPGW1350 *	135	112	15.5	16	6.5
JPGW1400 *	140	117	15.5	16	6.5
JPGW1450	145	122	15.5	16	6.5
JPGW1500 *	150	127	15.5	16	6.5
JPGW1550 *	155	132	15.5	16	6.5
JPGW1600 *	160	137	15.5	16	6.5
JPGW1650 *	165	142	15.5	16	6.5
JPGW1700 *	170	147	15.5	16	6.5
JPGW1750 *	175	152	15.5	16	6.5
JPGW1800 *	180	157	15.5	16	6.5
JPGW1850	185	162	15.5	16	6.5
JPGW1900 *	190	167	15.5	16	6.5
JPGW2000 *	200	177	15.5	16	6.5
JPGW2100 *	210	187	15.5	16	6.5
JPGW2200 *	220	197	15.5	16	6.5
JPGW2250	225	202	15.5	16	6.5
JPGW2300	230	207	15.5	16	6.5
JPGW2400	240	217	15.5	16	6.5
JPGW2500	250	222	17	17.5	6.5
JPGW2600	260	232	17	17.5	7.5
JPGW2700	270	242	17	17.5	7.5
JPGW2800	280	252	17	17.5	7.5
JPGW3000	300	272	17	17.5	7.5
JPGW3200	320	292	17	17.5	7.5
JPGW3500	350	322	17	17.5	7.5

带“*”号为现有模具规格，如需更多规格请联系我们。
Please contact us for further dimensions not included in the table.





安装尺寸 Groove Standard

D H9	d	H	L+0.2
50 - 60	D - 14.0	8.5	9.0
65 - 95	D - 15.0	10.5	11.0
100 - 120	D - 15.0	12.0	12.5
125 - 240	D - 23.0	15.5	16.0
250 - 320	D - 28.0	17	17.5

规格表 Specifications

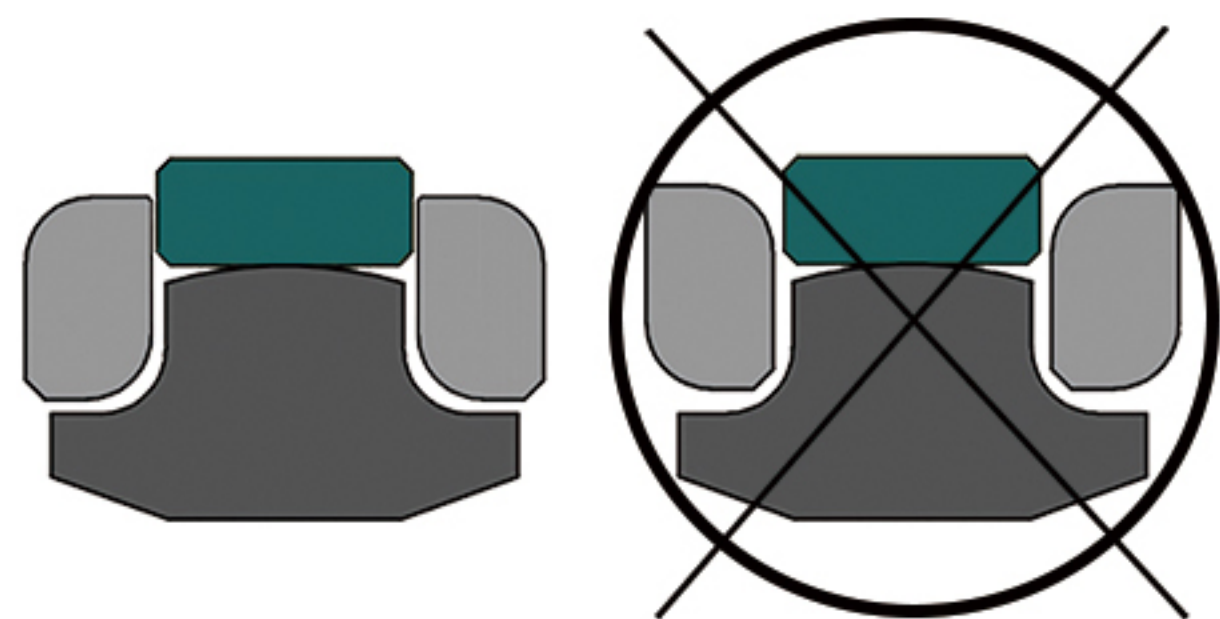
P/N	DN	d1	H	L1+0.2	C
JPGW0500 *	50	36	8.5	9	4
JPGW0550	55	41	8.5	9	4
JPGW0600 *	60	46	8.5	9	4
JPGW0630 *	63	48	10.5	11	5
JPGW0650 *	65	50	10.5	11	5
JPGW0700 *	70	55	10.5	11	5
JPGW0750 *	75	60	10.5	11	5
JPGW0800 *	80	65	10.5	11	5
JPGW0850 *	85	70	10.5	11	5
JPGW0900 *	90	75	10.5	11	5
JPGW0950 *	95	80	10.5	11	5
JPGW1000 *	100	85	12	12.5	5
JPGW1050 *	105	90	12	12.5	5
JPGW1100 *	110	95	12	12.5	5
JPGW1150 *	115	100	12	12.5	6.5

密封原理 Sealing Principle

JPGW 能承受各种高低压力，内侧的橡胶弹性体为施力密封元件，外侧的填充 PTFE 密封环具自润滑、抗磨损功能，保护内侧弹性体防止磨损，弹性体和挡圈增加了圆弧角，减少使用过程中的应力集中，保护弹性体；两们的热塑性抗挤出挡圈在密封环两侧起支承作用，同时防止杂质进入弹性体和密封环。

The JPGW piston seal can stand low and high pressure in various applications. Its central unit in rubber working as a seal. The self-lubricating and anti-wear slide ring in filled PTFE protects the elastomer. The rounded-edges processing for the elastomer and extrusion rings protects the elastomer from damage, and the two side extrusion rings also work as back-up rings, they prevent any impurity to the elastomer and slide ring.

请注意装配
Assemble carefully



使用工况 Technical Data

压力 Pressure

50 MPa

速度 Speed

≤1.5 m/s

温度 Temperature

NBR: -30°C~110°C

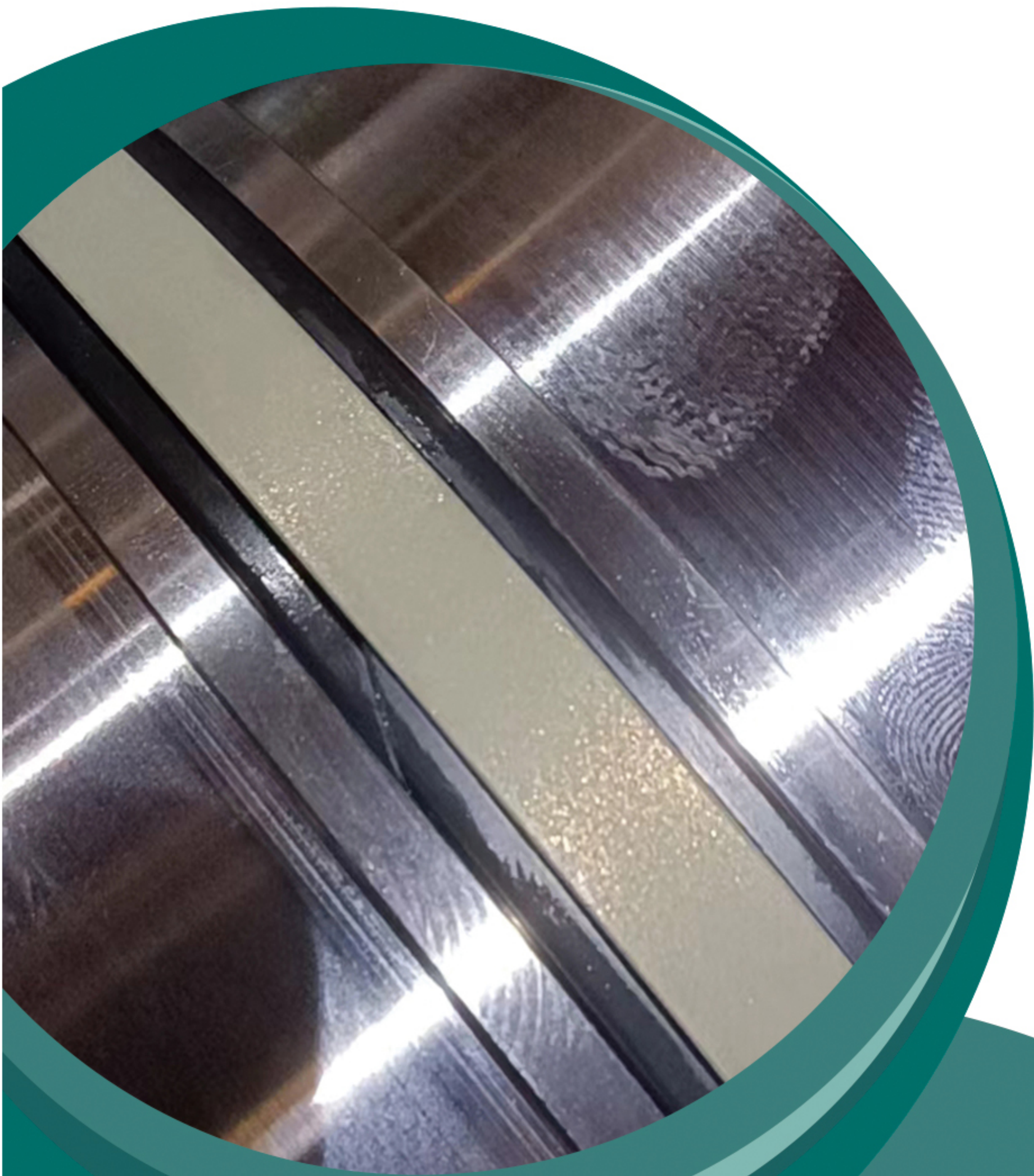
HNBR: -40°C~150°C

介质 Media

石油基液压油、难燃液压液、环保安全液压油（生物油）、水和其它，取决于密封圈材料

Petroleum-based hydraulic fluid, flame-retardant hydraulic fluid, environmentally friendly and safe hydraulic fluid (bio-oil), water, etc.

特点 Features

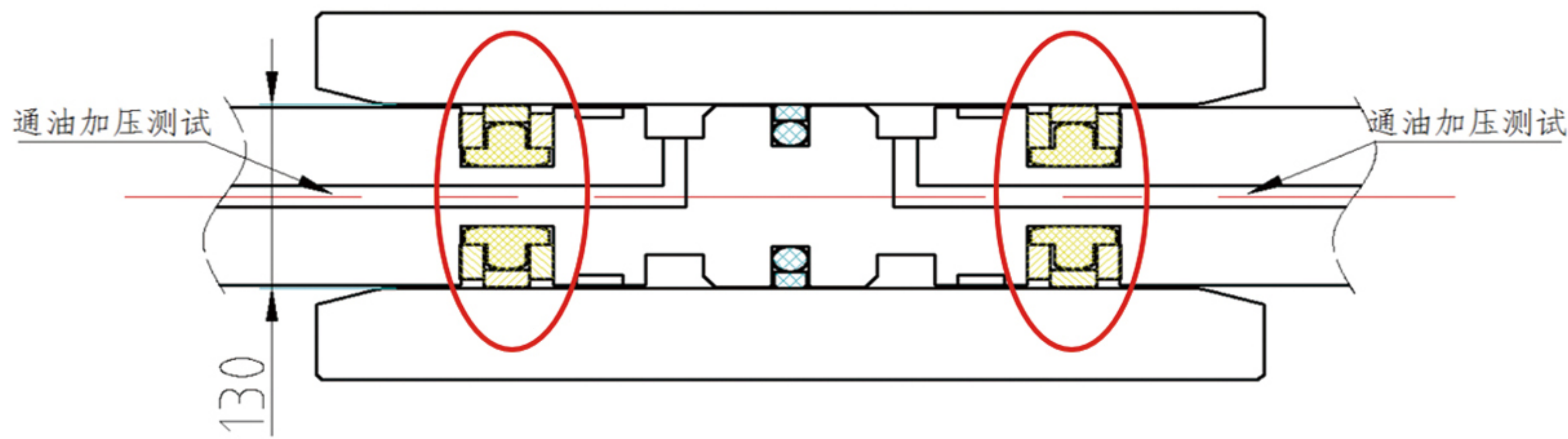


- 良好的动静密封性能
- 静态和动态的摩擦系数低损小
- 沟槽结构简单
- 启动时不爬行，工作平稳
- 可允许较大的挤出间隙
- 由于较大的挤出间隙，在有污物的介质中可安全使用
- 使用寿命长
- 耐高压



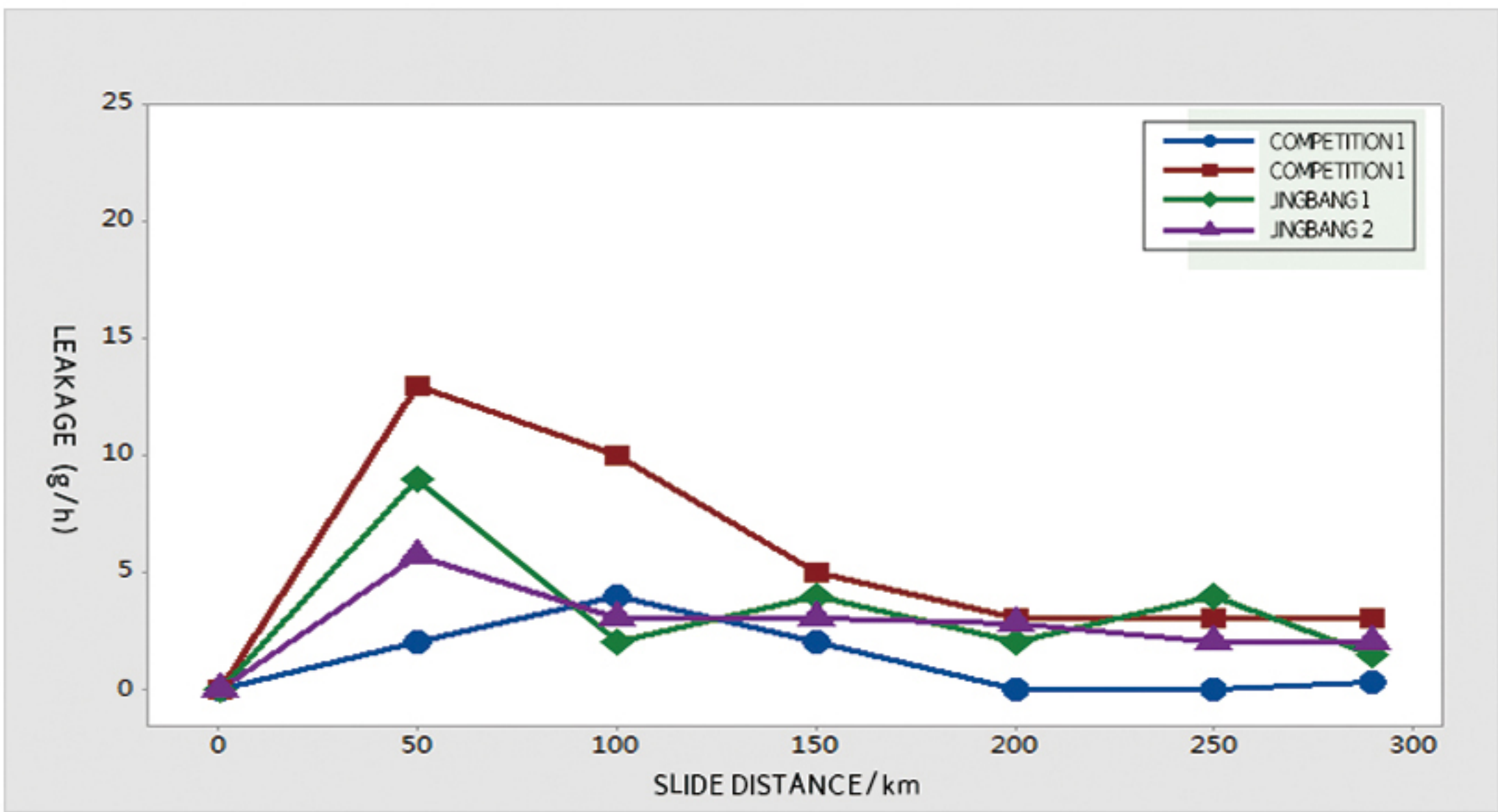
- Good dynamic and static sealing performance
- Low coefficient of friction
- Simple groove structure
- No crawling when starting
- Large extrusion gaps allowed
- Long service life
- High pressure resistant

试验概况 Test Details



试验条件 TEST CONDITIONS

速度：400MM/S	SPEED: 400MM/S
压力：350BAR	PRESSURE: 350BAR
温度：室温至 95℃ (运行 3H, 油温升至 80℃)	TEMP.: ROOM TEMPERATURE TO 95℃ FOR 3H, OIL TEMP. UP TO 80℃
行程：800MM	STROKE: 800MM
滑动距离：300KM	SLIDE DISTANCE: 300KM
介质：46 # 液压油	MEDIA: 46# HYDRAULIC OIL



泄漏量测试 LEAKAGE RATE TEST

保压测试
PRESSURE MAINTAINING TEST

