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密封件产品选型手册
SEAL PRODUCT SELECTION MANUAL

**RESEARCH AND DEVELOPMENT
/DESIGN/PRODUCTION INDUSTRIAL CHAIN
MANUFACTURING ENTERPRISES**

**研发/设计/生产
产业链型制造企业**





HUAWEI MACHINERY

COMPANY PROFILE

企业简介

华唯机械制造有限公司创建于2017年，是一家集锻造、精加工、产业链型制造企业。

总部坐落于丽水市青田县占地面积约55亩，拥有厂房和各类生产检测设备300余台(套)，年锻造能力达4万余吨。企业坚持以科技创新为目标，卓越的品质为理念，架构研发、设计、生产、销售、售后五位一体的运行机制，为客户提供一站式解决方案。公司已拥有自主知识产权的大型多向模锻液压机为核心技术，攻克技术关卡，实现锻造技术上的突破。公司多向模锻产品具有优异的机械性能和使用寿命，并且能给产品节省材料20%~40%以上，同时也提高机加工进度3~5倍，大幅度降低产品的生产成本。

企业主导产品有:锻造球阀系列，法兰、阀体、球体、阀盖等阀门配件，金属环垫(八角垫、椭圆垫透视镜垫、RX、BX、IX等)。主要材质有: 08F、10#、304、F321、316、F347、309、310、304L、316L、0Cr13、F5、F9、F11、F91、F51、F53、F55、F44、400、500、600、625、C276、718、800、825、904L特殊镍基合金钢等。产品适用介质有:水、气、油、酸、碱等环境，适用温度范围有:-200℃~1095℃。广泛应用于船舶、石油、化工、电力、冶炼、造纸及工程机械、矿山机械、军工等领域，得到用户一致认可。

公司持续改进需求，不断深化质量管理体系。已通过ISO9001质量管理体系认证，CE认证，特种设备制造许可证(压力管道)证号:TS2710A04-2010及其它证书等。严格按编制的质量手册、程序文件和质量大纲规范运作制定与实施质量目标责任制，对产品实现过程实施严格的工艺监督和测量、加热、热处理等，并按现场6S规范，确保安全，文明与高效生产。

企业坚持“节能、环保、智能、高效”的产品理念，推动产业化发展，服务用户，回馈社会。华唯竭诚欢迎新老客户莅临参观考察，合作共赢!



Huawei Machinery Manufacturing Co., Ltd. was founded in 2017 and is a manufacturing enterprise that integrates forging, precision machining, and industrial chain.

The headquarters is located in Qingtian County, Lishui City, covering an area of approximately 55 acres. It has a factory and more than 300 sets of various production and testing equipment, with an annual forging capacity of over 40000 tons. The enterprise adheres to the goal of technological innovation, the concept of excellent quality, and a five in one operation mechanism of research and development, design, production, sales, and after-sales, providing customers with one-stop solutions. The company has developed a large-scale multi-directional forging hydraulic press with independent intellectual property rights as its core technology, overcoming technical barriers and achieving a qualitative breakthrough in forging technology. The company's multi-directional forging products have excellent mechanical properties and service life, and can save materials by more than 20% to 40%, while also improving machining progress by 3-5 times, significantly reducing production costs of the products.

The company's leading products include: forged ball valve series, valve accessories such as flanges, valve bodies, spheres, and valve covers. Metal ring gaskets (octagonal gaskets, elliptical gaskets, lens gaskets, RX, BX, IX, etc.). The main materials include: 08F, 10 #, 304, F321, 316, F347, 309, 310, 304L, 316L, 0Cr13, F5, F9, F11, F91, F51, F53, F55, F44, 400, 500, 600, 625, C276, 718, 800, 825, 904L special nickel based alloy steel, etc. The product is suitable for environments such as water, gas, oil, acid, and alkali. The applicable temperature range is -200 °C~1095 °C. Widely used in the fields of shipbuilding, petroleum, chemical, electric power, smelting, papermaking and engineering machinery, mining machinery, military industry, etc., it has been unanimously recognized by users.

The company continuously deepens its quality management system in accordance with continuous improvement needs. Has passed ISO9001 quality management system certification, CE certification, special equipment manufacturing license (pressure pipeline) certificate number:TS2710A04-2010 and other certificates. Strictly follow the established quality manual, procedural documents, and quality outline to establish and implement a quality target responsibility system. Implement strict process supervision and measurement, heating, heat treatment, etc. for the product realization process, and follow the on-site 6S standards to ensure safe, civilized, and efficient production.

The enterprise adheres to the product concept of "energy conservation, environmental protection, intelligence, and efficiency", promotes industrial development, serves users, and gives back to society. Huawei warmly welcomes new and old customers to visit and inspect, for a win-win cooperation!

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密封件产品优势 ADVANTAGES OF SEAL PRODUCTS



高精度
High-precision



高强度
High strength



耐腐蚀
Corrosion preventive



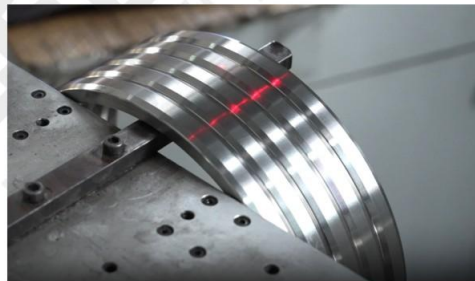
耐久性
Durability

专业品质 源于精湛技术工艺

PROFESSIONAL QUALITY COMES FROM EXQUISITE TECHNICAL CRAFTSMANSHIP

公司拥有高精度的数控机床和加工中心,先进的设备及检测仪器,精良的工艺以及严格完善的质量管理体系,并聚集具有专业技术精英和领先水平的科技队伍,充分利用新科技、新工艺、新材料,保证产品的稳定性和可靠性。

The company has high-precision CNC machine tools and machining centers, advanced equipment and testing instruments, sophisticated processes, and a strict and perfect quality management system. It also gathers a professional technical elite and leading technology team, fully utilizing new technology, new processes, and new materials to ensure product stability and reliability.



PRODUCTION PROCESS

生产流程

品质
优选

Quality optimization

多元
产品

Diversified products

优质
选材

High quality material selection

全维
服务

Full service

制造流程 MANUFACTURING PROCESS



检验检测 INSPECTION AND TESTING



想要不断发展、创新、壮大企业，必须走向国际化，而先进的加工设备是企业实力的象征、完美的检测手段是我们品质保证，同时为设备的改造与革新投入了大量的资金。这些先进的设备给优质生产带来了极大的方便和极高的效益，从而保证了产品的质量，满足了市场需求。

公司拥有英国进口直读光谱仪、X射线探伤、低温冲击试验、水压试验机先进的检测设备，从原材料到生产工艺到检验检测方法都进行严格、有效的控制。按标准要求，对原料到成品的化学成分进行分析，严格控制材料，对成品的力学性能、化学性能逐项进行测试，以及X射线探伤，保证产品质量。产品检验和试验合格，出具产品质量证明书，保证用户使用满意、放心的产品。

To continuously develop, innovate, and strengthen enterprises, we must move towards internationalization, and advanced processing equipment is a symbol of enterprise strength, and perfect testing methods are our quality assurance. At the same time, a large amount of funds have been invested in the renovation and innovation of equipment, which brings great convenience and high efficiency to high-quality production, thereby ensuring product quality and meeting market demand.

The company has advanced testing equipment imported from the UK, including direct reading spectrometers, X-ray inspection, low-temperature impact tests, and water pressure testing machines. From raw materials to production processes to inspection and testing methods, strict and effective control is carried out. According to standard requirements, analyze the chemical composition of raw materials to finished products, strictly control the materials, test the mechanical and chemical properties of the finished products item by item, and perform X-ray inspection to ensure product quality. Product inspection and testing are qualified, and a product quality certificate is issued to ensure that users are satisfied and confident in using the product.



金属环垫由锻造及热处理和机械加工制成，是一种应用于油及气体的管体兰，压力容器，高速结合面，高温高压阀盖等的金属密封垫片，尤其压力、温度有波动的场合，仍能保持较好的密封件。常用的R型垫片按截面分为椭圆型或八角型。标准的R型环形垫片按API6A以及ASME B16.20标准尺寸制造，最高使用压力是10000PSI。在梯形槽法兰中八角垫与椭圆垫可以互换。RX型八角垫适用于压力增强的标准R型环状垫片，适合于R型一样的法兰槽密封面。BX型八角垫适用于压力增强并且设计应用高达15000PSI压力系统。有多种材质及形式适用于不同的设计操作要求，参考材质特性表。

注意：

选用八角垫材质硬度应低于法兰面15-20HB，而且建议不要重复使用。

适用标准：

ANSI B16.5-1973、API6A、JPI-75-15-70、GB699、GB1220、JB755、HG20633-97

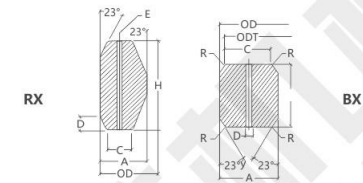
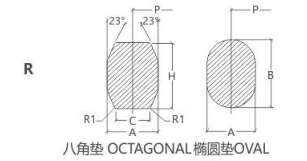
The Ring Joint Gasket is subject to forging, heat treatment and machining. It is a kind of metallic sealing gasketsuitable for pipe flanges for oil and gas, pressure vessels, high-speed joint faces, high-temperature,high-pressure valve covers, etc. The product is especially suitable to situations with pressure and temperature fluctuations to maintain fine sealing performance. Regular R-type pad is divided into oval type or octagonal type in terms of cross section. Standard R-type ring pad is manufactured according to API6A and ASMEB16.20 specifications. The maximum operational pressure is 10000PSI. in dovetail groove flange the octagonal pad and oval pad are interchangeable. RX-type octagonal pad is applicable for standard R-type rind pad with enhanced pressure and flange groove sealing face identical to that of the R-type. BX-type octagonal pad is applicable for systems with enhanced pressure and design application as high as 15000PSI. We provide a variety of materials and types for different design and operational requirements. Please refer to the table of material properties.

Note: When octagonal type is chosen, the material hardness of the pad should be 15-20HB lower than that of the flange facing. It is recommended the gasket can't be recycled.

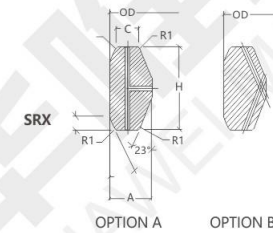
Applicable standards:

ANSI B16.5-1973,API 6A,PI-75-15-70,GB 699,GB 1220,JB 755,HG 20633-97

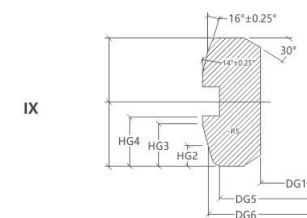
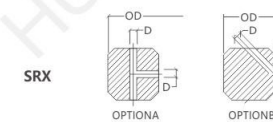
金属环垫的主要技术参数 Main technical parameters of ring joint gasket



BX



OPTION B



金属环垫的主要技术参数 Main technical parameters of ring joint gasket

材料 Material	最大硬度BRINELL Maximum hardness		温度 (°C) Temperature	缩写标记 Abbreviations marker
	布氏 Brucellosis	洛氏 "B" 级 Rockwell		
Soft Iron	90	56	-60 540	D
Low Carbon Steel	120	68	-40 540	S
304SS	160	83	-250 700b	304
304LSS	150	83	-250 450	304L
316SS	160	83	-200 700b	316
316SS	150	83	-200 450	316L
321SS	160	83	-200 700b	321
347SS	160	83	-200 700b	347
410SS	170	86	-40 650	410
5Cr-0.5Mo	130		-29 650	
Copper	80		-100 315	
Aluminum铝	35		-200 425	
Inconel 600	150		-100 1095	
Incoloy 825	160		-100 1095	
Monel 400	150		-100 760	
Titanium	215		-200 540	
Nichel 200	110		-200 760	
Hastelloy C276	200		-100 1095	

订货须知：金属环垫在订货时需注明以下参数范例：

- 1、金属环垫的类型：R
- 2、形状：八角垫
- 3、法兰标准：ASME B16.20
- 4、环号：R27
- 5、材质：316L
- 6、硬度：HB160
- 7、通径：2 1/2"
- 8、压力：900VB

Notes for Order: The following parameters shall be noted in the order of metal gasket.

- Example:
1. Type of metal gasket: R
 2. Shape: Octagonal
 3. Flange Standard: ASME B16.20
 4. Gasket No: R27
 5. Material: 316L
 6. Hardness: HB160
 7. Diameter: 2 1/2"
 8. Pressure: 900VB

售后服务和质量保证承诺
一、售前服务

做到技术与销售的无缝对接服务，让用户每一次采购都有服务的体验。

- ①进行采购前产品技术沟通和交流，主动给予建议。
- ②在进行产品型号选择时考虑是否成本最低化，效率最大化。
- ③不能达到使用要求时，根据客户的特殊要求，安排设计师合理改善。

二、售中服务

尊重每位用户；给用户一份轻松、放心的整体价值服务。

- ①进行性价比：比价格，比质量，比服务，反思是否有不做到位的地方。
- ②在合作过程中，依照合同，保质保量准时交货，随时保持与用户联系。
- ③生产期间，相关技术人员可来我司进行产品监造和检验，同时，我司会提供该产品的结构图及详细文件资料，来做监造文件。
- ④使用定做的产品，可协商专业技术人员亲临现场指导。
- ⑤我公司在发货前以电话进行产品型号、规格、数量、件数的确认。

三、售后服务

完善的服务铸就完美的企业让客户无后顾之忧。

- ①按合同要求提供产品的合格证、生产许可证、检验报告、安装说明书等。
- ②顾客在验收产品过程中，如出现与合同要求不符时，我司接到顾客通知后两小时内给予处理。
- ③我司提供十二个月的产品质保期，时间从验收合格之日起计算。
- ④在正确安装和使用下，出现产品质量问题，本公司将负责到底。

四、包修包换承诺

- ①在正常的储运、安装、保养、使用条件下，因产品的质量不能正常使用时，提供三包四包：保质、保量、保及时、包修、包换、包退、包损失。
- ②在接到质量信息反馈时，将在48小时内提出处理意见及解决方案。
- ③可根据用户需求协商提供备品、备件和安装、调试、维修服务。

以上四点是我公司对售后服务的承诺。竭诚欢迎广大用户指导修正，请提出宝贵意见，参照改进。真诚希望我们之间合作愉快。