苏州新锐合金工具股份有限公司
SHAREATE TOOLS LTD.

营销部 Marketing Office
地址：湖北武汉蔡甸区常北大街102号
Add: 102 Changbei Street, Caidian District, Wuhan, Hubei Province
网址(Web)：www.shareate.com

SHAREATE
科创板 688257

精密零部件制品
Precision Component

— 石油耐磨零部件 · 煤化工耐磨部零件 —
Wear-resistant parts for oil and coal chemistry

苏州新锐合金工具股份有限公司
SHAREATE TOOLS LTD.

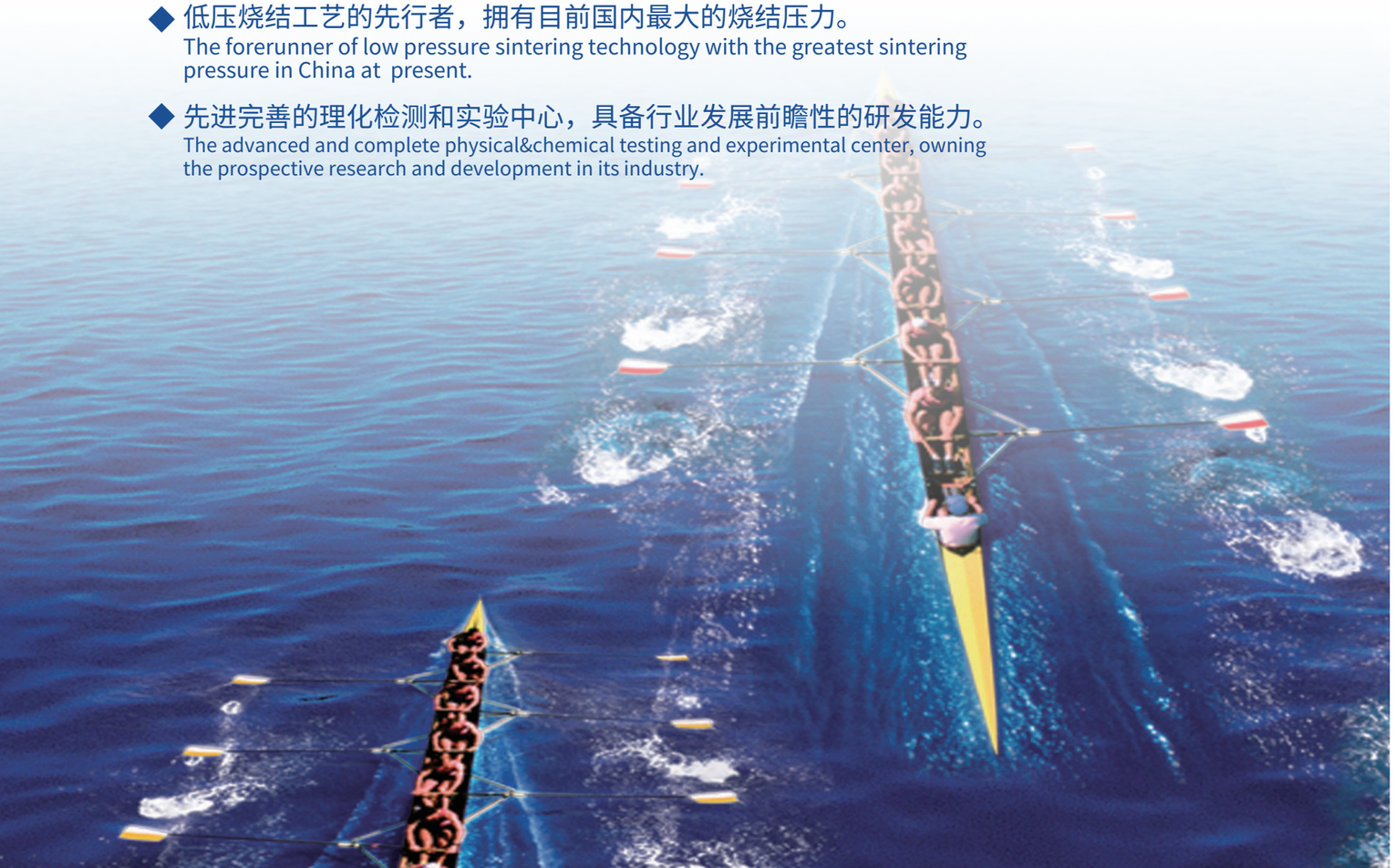
激情成就梦想，品质成就尊贵

PASSION WINS DREAM　QUALITY WINS RESPECT

[30多年硬质合金技术的累积和不断创新]

Continuous accumulation and innovation of cemented carbide technology for over 30 years

- 源自1982年，中国首家全套引进美国硬质合金生产装备和技术的企业。
  In 1982,we were the first company in China who brought in the cemented carbide production equipment and technology from US.
- 亚洲最大的矿用合金柱齿生产研发基地。
  The biggest mining tungsten carbide insert manufacturing and research base in China.
- 低压烧结工艺的先行者，拥有目前国内最大的烧结压力。
  The forerunner of low pressure sintering technology with the greatest sintering pressure in China at present.
- 先进完善的理化检测和实验中心，具备行业发展前瞻性的研发能力。
  The advanced and complete physical&chemical testing and experimental center, owning the prospective research and development in its industry.



目　录 | Catalogue

01 公司简介
Company Profile

02 设备
Equipment
先进的制造设备 / Advanced manufacturing equipment
先进的检测设备 / Advanced testing equipment

03 产品介绍
Product introduction
针式节流阀 / Needle type Choke valve
孔板类型节流阀 / Orifice type Choke valve
柱塞式节流阀 / Plunger type choke valve
MWD随钻零件 / MWD
硬质合金控制阀 / Carbide Control valve
喷嘴 / Nozzle
硬质合金高压水嘴 / Carbide high pressure water nozzle
精密合金模具 / Precision alloy mold
水力振荡器部件 / Agitator components

04 常规牌号及性能
Regular grades and performance

公司简介 | Company Profile

苏州新锐合金工具股份有限公司是一家专注于硬质合金制品与矿用凿岩工具及矿山服务，集研发、制造、销售、服务为一体的国际化制造服务商，在苏州和武汉均有生产基地，下设工程工具事业部、硬质合金事业部、型材事业部、武汉新锐合金工具有限公司等多家分、子公司。公司于2021年10月在上海证券交易所登陆科创板正式挂牌上市（股票代码“688257”）。

公司通过了API及ISO9000质量体系和产品双认证，并先后通过“江苏省企业技术中心”、“江苏省高新技术企业”、“江苏省高效凿岩工具工程技术研究中心”以及“高端超细硬质合金材料工程技术研究中心” “江苏省两化融合示范企业”等认定，产品获得“江苏省名牌产品”、“江苏省高新技术产品”称号以及“国家标准合格单位、质量跟踪重点保护产品”证书。

公司主要产品包括：矿用钻头、油用和矿用硬质合金齿、金刚石复合片用基托、硬质合金棒材、石油耐磨零件、金属陶瓷棒材、金属陶瓷刀片、金属陶瓷板料产品等。产品远销澳大利亚、秘鲁、智利、日本、韩国、美国、巴西、俄罗斯、墨西哥等二十多个国家和地区，并且与多家国际知名企业建立了长期稳定的业务关系。

Shareate Tools Ltd. classified as a national high-tech enterprise, is a professional company which integrates the design, development, manufacturing and sales of cemented carbide products and drilling tools. We have two manufacturing bases, which are located at Suzhou and Wuhan, both with the world-class advanced production and inspection equipment and the state-of-the-art and continuously expanding R&D and manufacture base for Cemented carbide and drilling tools in China. We listed on the Science and Technology Innovation Board of Shanghai Stock Exchange in October 2021 (Stock Code "688257").

Shareate Tools Ltd. possesses the strength of technical innovation and has formed the systematic proprietary intellectual property rights and technology. We passed ISO quality system certificate and API certificate in 2001 and 2008 respectively and maintain both of the certificates ever since. Currently, we have gained 35 authorized patents,in which 14 innovation patents, and 40 items of proprietary technology. The established Jiangsu Technology Center and Jiangsu Engineering & Technological Research Center will be laying the firm foundation for our continuous innovation.

Our main product covers compacts for oil, buttons for mining, carbide substrate for PDC cutters, Nozzle for oil bit, ultra-fine cemented carbide round rods, powder metallurgy mold, wearing resistant parts and cermets cutting tools, blanks and non-standard parts and so on, which are exported to over 10 foreign countries and regions such as Japan, South Korea, USA, Canada, Australia and Russia where the products are very popular and well evaluated by customers and drilling tools in China.

先进的制造设备
Advanced manufacturing equipment

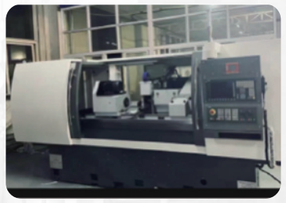
整洁的操作现场让生产井然有序，合理的工位布局提高了工作效率，规范的作业流程保证了产品质量。

The clean operation site makes the production orderly, the reasonable station layout improves the work efficiency, and the standardized work flow ensures the product quality.

Cold isostatic press / 冷等静压机 ◆

◆ 干袋式等静压机 / Dry bag isostatic press

ALD sintering furnace / ALD 烧结炉 ◆



◆ 精密磨床 / Precision grinding machine

Dorst press / Dorst 压机 ◆

◆ 喷雾制粒 / Spray granulation

Precision grinding center / 精密加工中心 ◆

先进的检测设备
Advanced testing equipment

公司配备各类先进的实验仪器和检测设备，富有经验的技术人员进行全过程监控，为产品质量提供了保障。

Shareate is equipped with all kinds of advanced experimental instruments and testing equipment, and experienced technical personnel to monitor the whole process, which provides guarantee for product quality.

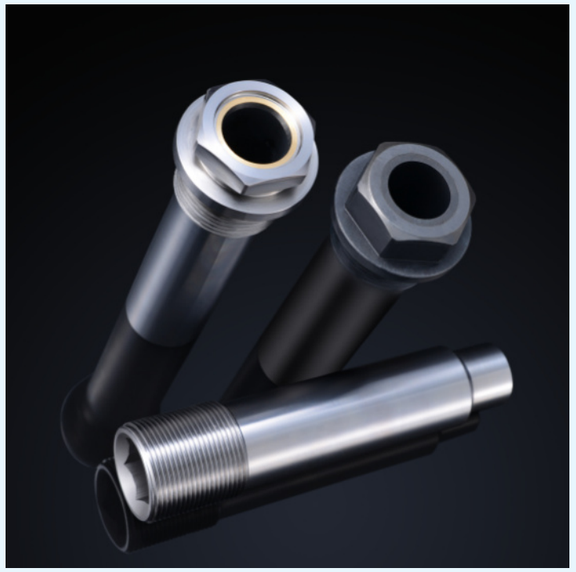
产品介绍 | Product Introduction

针式节流阀 / Needle type choke valve

阀杆合金钢和硬质合金采用专利技术焊接成型，可靠性高；阀座合金钢和硬质合金根据工况可提供钎焊、过盈、环氧树脂胶粘接等工艺，也可提供表面改性敷焊合金工艺。

The patented welding technology to keep high reliability. In the meantime, different process be selected per the working conditions, like brazing, interference, epoxy resin bonding and other processes. Surface modification welding alloy process can be provided as well.

◆ 阀杆范围覆盖1/2英寸至5英寸尺寸规格
The stem range covers 1/2 inch to 5 inch size specifications



丰富的合金牌号、合金钢牌号、成熟表面处理工艺应对各种复杂的工况条件，产品标准满足国标、美标等相关标准，可依据客户要求定制。

Rich alloy grades, alloy steel grades, mature surface treatment technology to cope with a variety of complex working conditions, product standards meet the national standard,American standard and other related standards, can be customized according to customer requirements.

◆ 油嘴及配套阀座范围覆盖2/64-256/64及对应的公制尺寸规格
Choke bean range covers 2/64-256/64 and corresponding metric size specifications

产品介绍 | Product Introduction

孔板类型节流阀部件 / Orifice type choke valve

孔板手动节流阀固定阀瓣和旋转阀瓣
Manual orifice type choke valve front disc and back disc.

- 产品直径范围覆盖ϕ50mm-ϕ200mm
  The diameter range of the product covers ϕ50mm-ϕ200mm
- 最高工作压力200MP，配备专业设计的研磨设备，确保密封性能
  The maximum working pressure is 200MP, equipped with professionally designed grinding equipment to ensure sealing performance
- 提供高品质的纯合金方案和高性价比的钢+合金方案
  Provide high quality solid alloy solution and cost-effective steel + alloy solution

柱塞式节流阀 / Plunger type choke valve

阀芯、阀座、笼套规格齐全
Choke gate, seat, cage with complete specification.

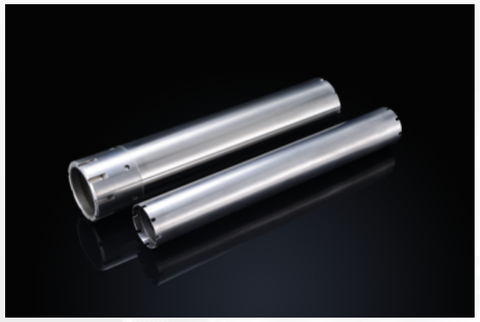
- 产品范围最大12英寸
  Product range up to 12 inches
- 丰富的合金牌号、应对各种复杂的工况条件，产品性能满足国标、美标标准，可依据客户要求定制
  Rich alloy grades, to deal with a variety of complex working conditions, product performance to meet the national standard, the United States standard,Can be customized according to customer requirements

产品介绍 | Product Introduction

MWD随钻零件 / MWD Parts while drilling

MWD仪器的350系列、650系列、1200系列钢件的流量筒、转子、定子、鱼颈、导流筒、流量筒延长筒等配件。

MWD instrument 350 series, 650 series, 1200 series of steel parts of the flow cylinder, rotor, stator, fish neck, draft tube, flow cylinder extension cylinder and other accessories.

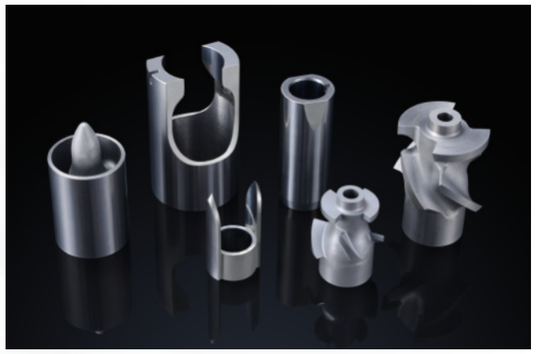


MWD仪器的350系列、650系列、1200系列硬质合金全规格的耐磨套、鼻帽、上下轴承套等全套硬质合金配件。

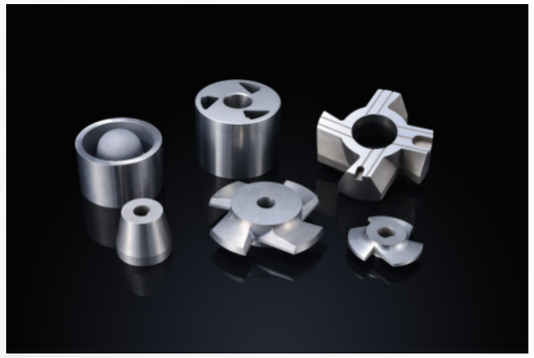
MWD instrument 350 series, 650 series, 1200 series of tungsten carbide wear sleeve, nose cap, upper and lower bearing sleeve and other full set of tungsten carbide accessories.

随钻定子转子
Stator rotor while drilling

- 3.44 低排 Low 标准 Standard 高排 High
- 4.125 低排 Low 标准 Standard 高排 High
- 5.25 低排 Low 标准 Standard 高排 High



随钻零件
Parts while drilling



随钻零件
Parts while drilling

产品介绍 | Product Introduction

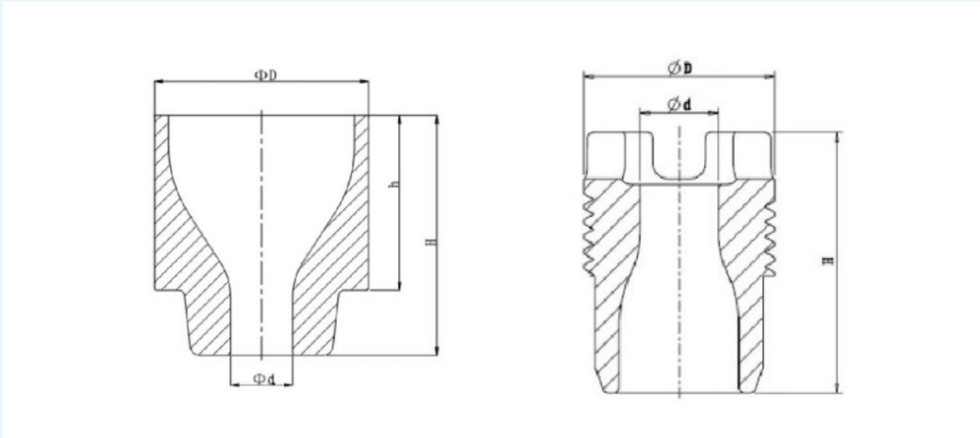
硬质合金控制阀 / Carbide Control valve

硬质合金控制阀内压力控制元件，由阀芯和阀座构成，阀芯阀座均由特殊钢和硬质合金组成，连接工艺采用新锐专有技术。

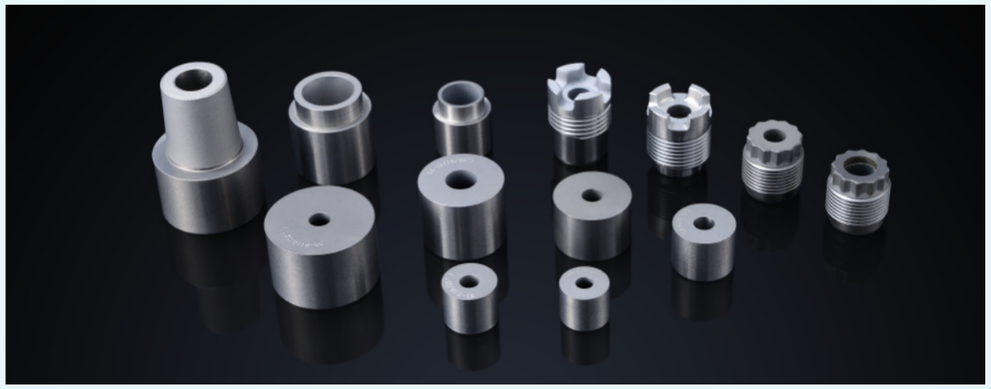
Control valve internal pressure control element, composed of gate and seat, Gate&seat are made of special steel and carbide and connection process is using Shareate's proprietary technology.

- ◆阀芯和阀座规格齐全
  Valve gate and valve seat specifications are complete
- ◆最大工作压力27.5Mpa
  Maximum working pressure 27.5Mpa
- ◆工作温度-40°至93°C
  Operating temperature -40° to 93°C

喷嘴 / Nozzle



- ◆普通喷嘴量产直径7½-14¾，定制尺寸范围 ϕ200
  Ordinary nozzles are mass produced 7½ - 14¾ diameter, custom size range ϕ200
- ◆金钢石喷嘴全规格量产，接收非标定制
  Diamond nozzle with full specification can be mass produced, receive non-standard customization

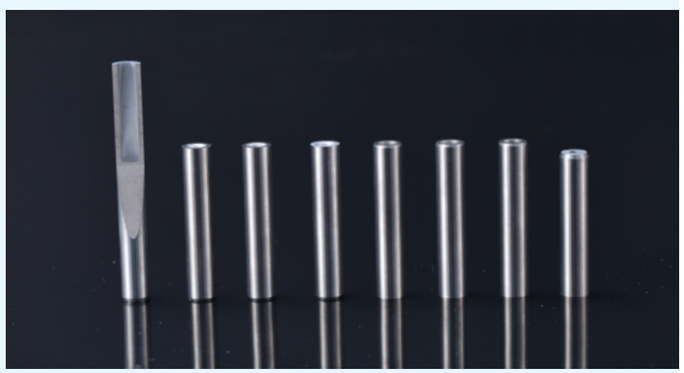


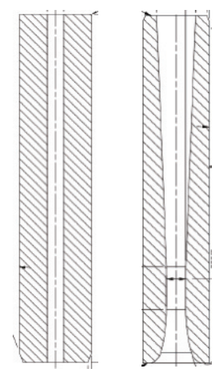
产品介绍 | Product Introduction

硬质合金高压水嘴 / Carbide high pressure water nozzle

硬质合金水嘴广泛用于切割、喷丸、表面处理、化工、喷涂等行业，产品硬度高，耐腐蚀。

Carbide water nozzle is widely used in cutting, shot blasting, surface treatment, chemical, spraying and other industries, high hardness, corrosion resistance.





◆可针对特殊环境下的材质定制，特殊要求的尺寸规格定制
Can be customized for the special environment of the material and special requirements of the size specifications

精密合金模具 / Precision alloy die

各种冲压模具、粉末冶金模具、冷镦模、缩口模、拉深模等产品。

All kinds of stamping die, powder metallurgy die, cold heading die, shrink die, slek die and other products.

◆提供各种性能的硬质合金模具毛坯及半成品、成品
Various properties of tungsten carbide die blanks, semi-finished products, finished products

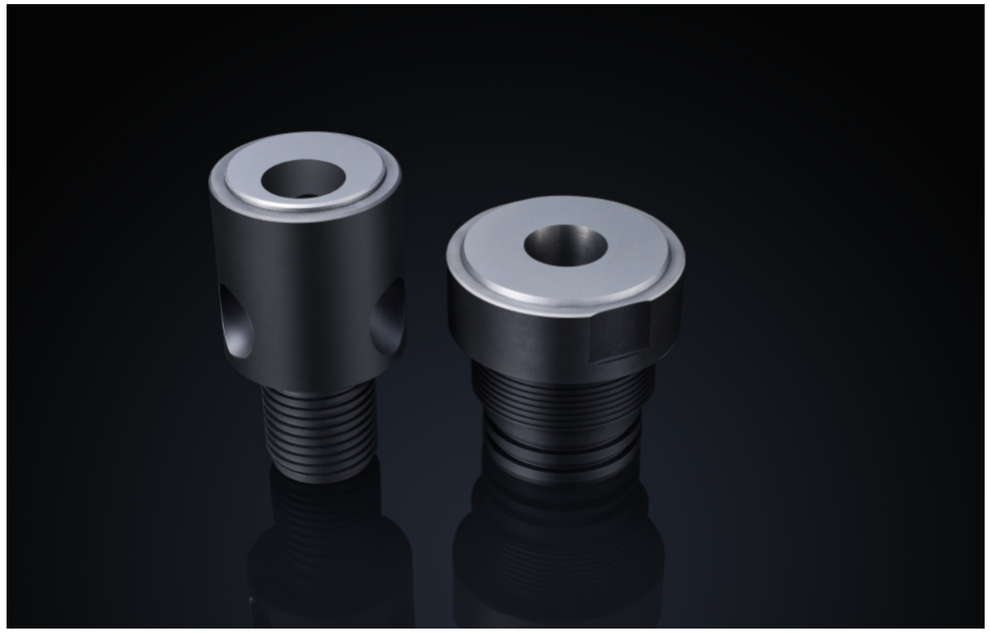
产品介绍 | Product Introduction

水力振荡器部件 / Agitator Parts

◆常规硬质合金动静阀片，产品规格齐全
Conventional Stationary&oscillating assy , product specifications are complete

◆定制满足不同工况、复杂结构的硬质合金动静阀阀片
Customized to meet different working conditions, complex structure of the cemented carbide plate

◆产品满足国标、美标标准
The products meet the national standard and the American standard



常规牌号及性能 | General grade

序号 Serial number	牌号 Grade	钴含量 Cobalt content %	密度 Density g/cm³	硬度 Hardness HRA	抗弯强度 TRS N/mm²
1	XR05N	3.3±0.3	14.90-15.10	93.5-95.0	/
2	XR06F	6±0.5	14.85-15.05	92.0-93.5	2800
3	XR06X	6±0.5	14.85-15.01	90.5-92.3	2800
4	XR09D	9±1.0	14.49-14.80	≥89.0	/
5	JZ10	10±0.5	14.50-14.60	88.0-88.8	2900
6	JZ16	16±0.5	13.90-14.00	86.0-87.0	2850
7	XR22K	22±0.5	13.25-13.35	83.0-84.0	2400

◆丰富的牌号体系能够满足客户的各种需求，还可按用户特殊需求设计牌号
The rich brand system can meet the various needs of customers, and can also be designed according to the special needs of users