SHAREATE

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SHAREATE



Precision Component

Wear-resistant parts for oil and coal chemistry

Shareate Tools Ltd.

PASSION WINS DREAM
QUALITY WINS RESPECT

Continuous accumulation and innovation of cemented carbide technology for over 40 years

- In 1982,we were the first company in China who brought in the cemented carbide production equipment and technology from US.
- The biggest mining tungsten carbide insert manufacturing and research base in China.
- The forerunner of low pressure sintering technology with the greatest sintering pressure in China at present.
- The advanced and complete physical&chemical testing and experimental center, owning the prospective research and development in its industry.



Catalogue

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Advanced manufacturing equipment
Advanced testing equipment

03 **Product introduction**

Needle type Choke valve
Orifice type Choke valve
Plunger type choke valve
MWD
Carbide Control valve
Nozzle
Carbide high pressure water nozzle
Precision alloy mold
Agitator components

04 **Regular grades and performance**



Company Profile

Shareate Tools Ltd. is an international manufacturing and service provider specializing in cemented carbide products, mining rock drilling tools and mining services, with production bases in Suzhou and Wuhan. The Company integrates R&D, manufacturing, sales and services and operates multiple business divisions and subsidiaries. Shareate Tools was listed on the Science and Technology Innovation Board of the Shanghai Stock Exchange in October 2021 (Stock Code: 688257), and has obtained API and ISO quality certifications, along with numerous industry recognitions.

The Company's main products include mining drill bits, cemented carbide inserts, PDC substrates, cemented carbide rods, petroleum wear-resistant components, cermet rods, inserts and plates. Its products are exported to more than 50 countries and regions, including Australia, Peru, Chile, Japan, South Korea, the United States, Brazil, Russia and Mexico, with long-term partnerships established with a number of internationally renowned companies.



Advanced manufacturing equipment

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 ◆



◆ Dry bag isostatic press



ALD sintering furnace ◆



◆ Precision grinding machine



Dorst press ◆



◆ pray granulation



Precision grinding center ◆

Advanced testing equipment

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.



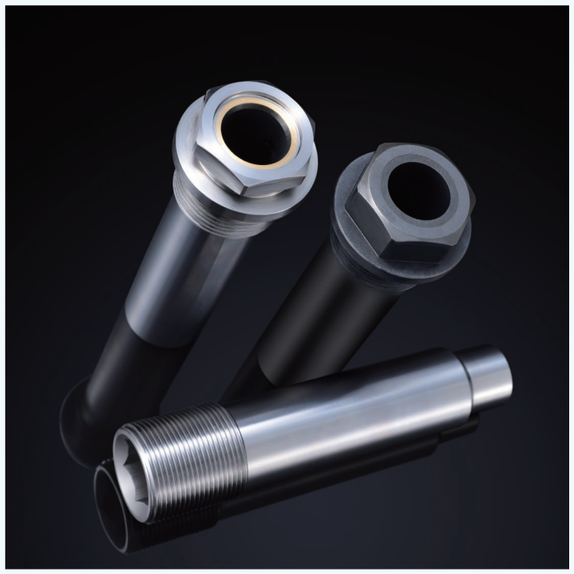
Product Introduction

Needle type choke valve

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.

◆ The stem range covers 1/2 inch to 5 inch size specifications







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.

◆ Choke bean range covers 2/64-256/64 and corresponding metric size specifications

Product Introduction

Orifice type choke valve

Manual orifice type choke valve front disc and back disc.

- The diameter range of the product covers ϕ50mm-ϕ200mm
- The maximum working pressure is 200MP, equipped with professionally designed grinding equipment to ensure sealing performance
- Provide high quality solid alloy solution and cost-effective steel + alloy solution



Orifice type choke valve

Choke gate, seat, cage with complete specification.

- Product range up to 12 inches
- 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



Product Introduction

MWD Parts while drilling

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 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.

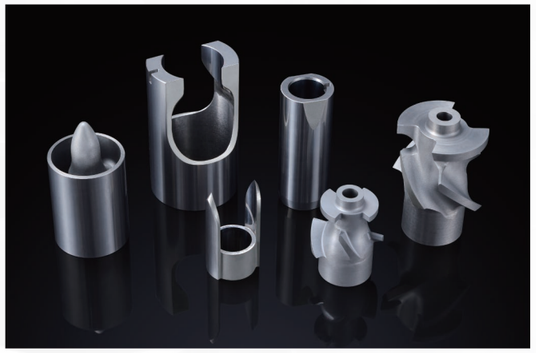




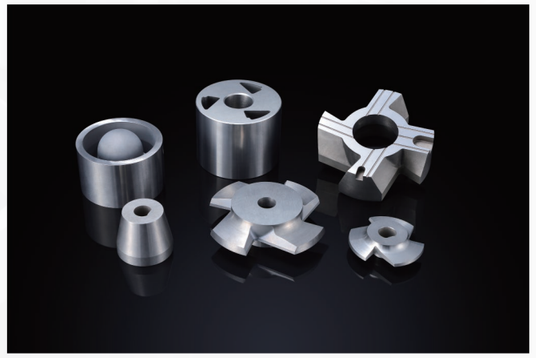


Stator rotor while drilling

- 3.44 Low Standard High
- 4.125 Low Standard High
- 5.25 Low Standard High



Parts while drilling



Parts while drilling

Product Introduction

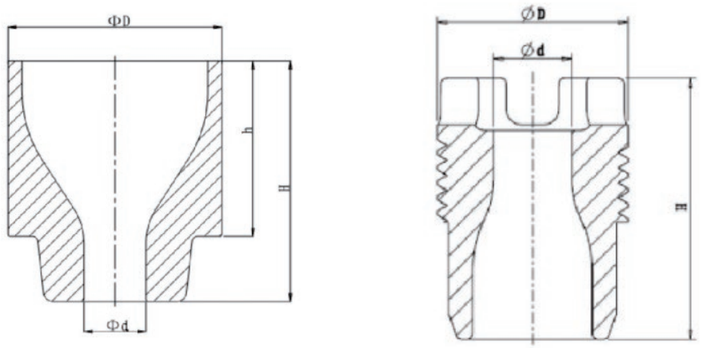
Carbide Control valve

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.

- Valve gate and valve seat specifications are complete
- Maximum working pressure 27.5Mpa
- Operating temperature -40° to 93°C



Nozzle



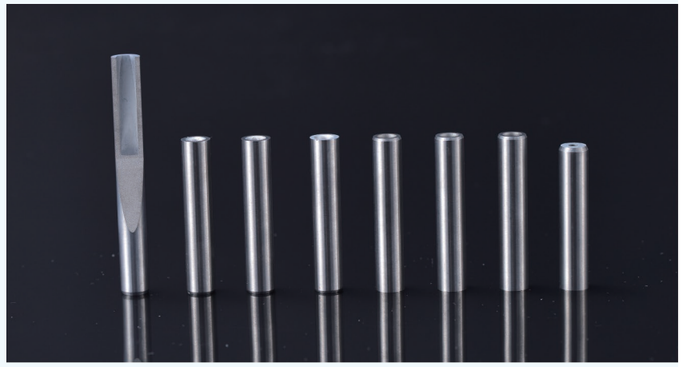
- Ordinary nozzles are mass produced 7½ - 14¾ diameter, custom size range ϕ200
- Diamond nozzle with full specification can be mass produced, receive non-standard customization

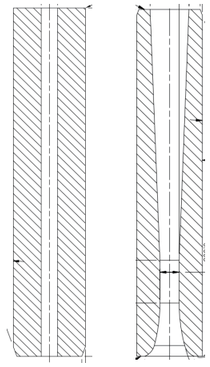


Product Introduction

Carbide high pressure water nozzle

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





- Can be customized for the special environment of the material and special requirements of the size specifications

Precision alloy die

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

- Various properties of tungsten carbide die blanks, semi-finished products, finished products

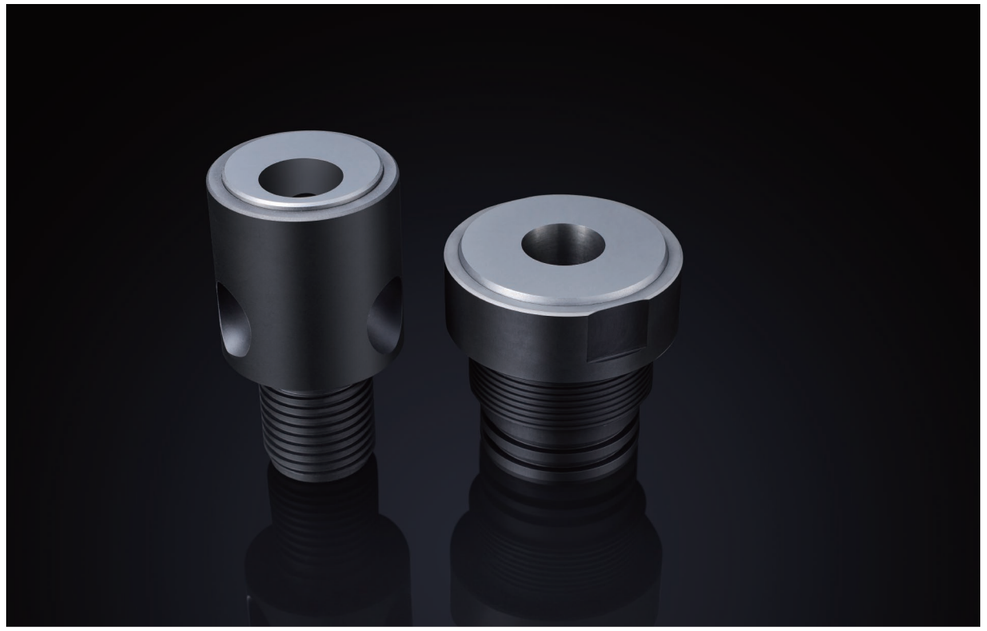


Product Introduction

Carbide high pressure water nozzle

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

- Conventional Stationary&oscillating assy , product specifications are complete
- Customized to meet different working conditions, complex structure of the cemented carbide plate
- The products meet the national standard and the American standard



General grade

Serial number	Grade	Cobalt content %	Density g/cm^3	Hardness HRA	TRS N/mm^2
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

- The rich brand system can meet the various needs of customers, and can also be designed according to the special needs of users