## Products List

## SHAANXI GETWICK NONFERROUS METALS CO., LTD.

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1.



Product name: titanium rod

Material: TC4, Gr5

Specification:  $\phi \phi 2.0 \sim 300$ 

Execution standard: GB/T 2965 2007 GB/T, 13810 2007, ASTM B348, ASTM

F136

Type: polish titanium alloy stick, titanium alloy, black car light great titanium

alloy great.

Characteristics: 1 density is small;

2 than high strength;

3 acid, alkali, salt, water corrosion;

4 mechanical performance is superior.

USES: used in oil industry, power industry, seawater desalination industry, alkali manufacturing industrial salt, coking line industry, wet metallurgy industry, the pharmaceutical industry.



Product name: titanium hexagonal rods, titanium party great

Material: TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr5 Gr7, Gr9, Gr12,

Specification: 'S6' x L ~ S30 x L

Execution standard: GB/T 2965 2007, ASTM B348, GB/T 13810, ASTM F136 /

F67

Surface: black, acid pickling.

Characteristics: 1. density is small;

2. than high strength;

3. acid, alkali, salt, water corrosion;

4. mechanical performance is superior.

USES: used in oil industry, power industry, seawater desalination industry, alkali manufacturing industry, salt coking industry, medical surgical implants.

3.



Product name: titanium polished rod

Material: TAO, TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification:  $\phi \phi 2.0 \sim 300$ 

Execution standard: GB/T 2965 2007 GB/T, 13810 2007, ASTM B348, ASTM F

67, ASTM F136

Surface: polishing, polishing, the surface does not have oil marks.

Characteristics: 1 density is small;

2 than high strength;

3 acid, alkali, salt, water corrosion;

4 mechanical performance is superior.

USES: used in oil industry, power industry, seawater desalination industry, alkali manufacturing industry, salt coking industry, wet metallurgy industry, pharmaceutical industry, medical surgical implantation.

4.



Product name: titanium rod, machine and titanium rod

Material: TAO, TA1 TA2, TA3, TA9 TC4 Gr1, Gr2 Gr3 Gr4 Gr5 Gr7, Gr9,

Gr12,

Specification: 6 x 6 x L ~ 200 x 200 x L

Execution standard: GB/T 2965 2007, ASTM B348

Surface: polish titanium rod, the car light titanium rod, machine and titanium

od.

Characteristics: 1 density is small;

2 than high strength;

3 acid, alkali, salt, water corrosion;

4 mechanical performance is superior.

USES: used in oil industry, power industry, seawater desalination industry, alkali manufacturing industrial salt, coking line industry, wet metallurgy industry, the pharmaceutical industry.



Product name: titanium rod Material: TA1, TA2, TC4 Specification: φ φ 2.0 ~ 300

Execution standard: GB/T 2965 2007 GB/T, 13810 2007, ASTM B348, ASTM F

67, ASTM F136

Product categories: polish titanium rod, the car light titanium rod, medical

titanium rod, titanium, titanium hexagonal bar rod.square rod

USES: used in oil industry, chemical industry, medical industry, etc.

6.



Product name: ti board Material: TA1 TA2,

Specification: 1.0 ~ 5.0 sigma delta

Surface: bright and clean, level off, without defect, linear for good

Characteristics: 1, the pan level off, without bending; 2, corrosion resistance; USES: electrolysis production non-ferrous metal, electrolytic silver catalyst

production, wastewater treatment, power needed to produce copper foil, steel galvanized, chrome, electrochemical oxidation recovery mercury, rhodium plating solution, water and electricity, the gilded palladium, etc.

7.



Product name: titanium plate target

Material: TAO, TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification: thickness 10.0 ~ 50. Delta delta

Other requirement: smooth surface, straight line for good, the surface does not

have defects.

Features: low density (4.51 KG/m3), 1660 (℃) high melting point, strong

corrosion resistance, high strength, good than plastic.

Areas of application: mechanical, chemical, electrolysis, electroplating, sports

and other industries.



Product name: titanium plywood

Material: TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification: thickness 0.1  $\sim$  20 delta delta

Execution standard: GB/T 3621 2007, ASTM B265

Other requirement: board face level off, without defect, without burr Features: low density (4.51 KG/m3), 1660 (°C) high melting point, strong

corrosion resistance, high strength, good than plastic.

Areas of application: chemical equipment.

9.



Product name: titanium foil

Material: TA1, TA2, Gr1, Gr2, TC4, Gr5

Specification: thickness 0.01 ~ 0.1 delta delta

Execution standard: GB/T 3622 2007

Other requirement: high purity, stamping good performance.

Features: low density (4.51 KG/m3), 1660 (℃) high melting point, strong

corrosion resistance, high strength, good than plastic. Areas of application: acoustics, electronic industries.



Product name: titanium plate

Material: TA0, TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification: thickness 0.1 ~ 50. Delta delta

Execution standard: GB/T 3621 2007 GB/T, 13810 2007, ASTM B265, ASTM F

67, ASTM F136

Other requirement: smooth surface, can bend, but stamping.

Features: low density (4.51 KG/m3), 1660 (℃) high melting point, strong

corrosion resistance, high strength, good than plastic.

Areas of application: space, mechanical, chemical, electrolysis, medical, sports

and other industries.

11.



Product name: titanium coil

Material: TA1 TA2,

Specification: according to clients' requirements

Features: low density (4.51 KG/m3), 1660 (°C) high melting point, strong

corrosion resistance, plastic.

USES: chemical industry equipment, home appliances, etc.



Product name: titanium tube welding

Material: TAO, TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification: diameter 40 ~ 200; : Wall thickness: 1.0 ~ 10.0

Execution standard: GB/T3624 2007 GB/T3625, 2007, ASTM B337/338, ASTM

B861

Features: low density (4.51 KG/m3), 1660 ( $^{\circ}$ C) high melting point, strong

corrosion resistance, plastic.

Areas of application: mechanical, chemical industry, metallurgy, medicine,

sports and other industries.

13.



Product name: titanium ring

Material: TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification: diameter: 100 ~ 600; Wall thickness: 5 ~ 50

Execution standard: GB/T16598-2007

Other requirement: fight pressure, high temperature resistant, corrosion Features: low density (4.51 KG/m3), 1660 ( $^{\circ}$ C) high melting point, strong

corrosion resistance, high strength, good than plastic.

Areas of application: space, mechanical, chemical, metallurgical, health, sports

and other industries.



Product name: titanium alloy tube

Material: TC4, Gr5, 3, 5 V parasitica. GR9

Specification: diameter: 15.0 ~ 300; Wall thickness: 3.0 ~ 50.0

Execution standard: GB/T 3625 2007, ASTM B 337/338, ASTM B, 861 GB/T

2965 2007, ASTM B348

Features: low density, high melting point, strong corrosion resistance, high

strength, than the compressive good performance.

Areas of application: space, mechanical, chemical, metallurgical, health, sports

and other industries.

15.



Product name: titanium tube

Material: TAO, TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification: diameter:  $2.0 \sim 200$ ; Wall thickness:  $0.5 \sim 8.0$  Execution standard: GB/T3625-2007, ASTM B337/338, ASTM B861

GB/T3624-2007, ASTM B862

Other requirement: can bend, compressive and corrosion.

Features: low density (4.51 KG/m3), 1660 (°C) high melting point, strong

corrosion resistance, high strength, good than plastic.

Areas of application: space, mechanical, chemical, metallurgical, health, sports and other industries.

16.



Product name: nickel titanium alloy silk memory

Material: TiNi-01, TiNi-02, TiNi-SS, TiNi-YY

Specification: phi phi 10.0 by 0.5 ~ L

Execution standard: Q/XB1516, Q/XB1520

Phase transition temperature: 100  $^{\circ}\text{C}$  ~ 100  $^{\circ}\text{C}$ 

The biggest strain: 8% to

The biggest stress: 600 MPa reply

USES: stress stick, hot spring, temperature control components, driving an

antenna, communication, such as frames bra bracket.



Product name: titanium straight silk

Material: TAO, TA1 TA2, TA9 TC4 Gr1,,,,, Gr2 Gr5 Gr7, Gr9

Specification: phi phi 7.0 by 0.1 ~ L

Execution standard: GB/T 3623 2007 GB/T, 13810 2007, ASTM B348, ASTM

F67, ASTM F136

Features: naisuanjian corrosion.

Surface: pickling surface, light surface

Purposes: 1 in welding the reaction kettle, storage acid or alkaline substances

can save tube, titanium, equipment when used.

2 medical equipment with silk.

3 the sports industry.4 machinery industry.

18.



Product name: titanium alloy silk

Material: TC4, Gr5, 1533,

Specification: phi phi 7.0 by 0.1 ~ L

Execution standard: GB/T 2965 2007 GB/T3623, 2007 GB/T 13810, 2007. Characteristics: better than pure titanium silk tensile performance is strong,

high hardness, naisuanjian corrosion.

Purposes: 1 used in acid medium and alkali medium, and electrolysis, electroplating.

2 in the welding the reaction kettle, acid or alkaline storage tank, titanium tube material with the equipment in use.

3 surgical implant a titanium silk, medical equipment with silk.

4 jewelry with titanium silk, titanium glasses silk.



Product name: titanium welding wire

Material: TA1 TA2, TA9, TC4,

Specification: phi phi 7.0 by 0.8 ~ L

Shape: dish silk, straight silk

Execution standard: GB/T 3623 2007

Usage: titanium welding wire in welding the reaction kettle, storage acid or

alkaline substances can save tube, titanium, equipment when used.

20.



Product name: titanium silk

Material: TAO, TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification: phi phi 7.0 by 0.1 ~ L

Execution standard: GB/T 2965 2007 GB/T, 13810 2007, ASTM B348, ASTM

F67, ASTM F136

Features: naisuanjian corrosion.

Purposes: 1 with the titanium made of silk the titanium, used in acid medium

and alkaline medium during electroplating.

2 titanium welding wire in welding the reaction kettle, storage acid or alkaline substances can save tube, titanium, equipment when used.

3 medical equipment with silk.

4 with silk jewelry.

21.



Product name: titanium basket

Material: TA1 TA2,

Specification: according to clients' requirements

Features: titanium basket ability live fluorine boric acid (HBF4), the corrosion in a sulphuric acid (H2SO4), boric acid (H3BO3), hydrochloric acid (HCI), sulfonic acid, etc and its salt solution of the corrosion resistance performance is better. USES: used in electroplating industry, nickel plating copper with acid,

production.



Product name: titanium slots Material: TA1 TA2, TA9, TC4,

Specification: according to clients' requirements

Shape: round, square

USES: chemical industry, metallurgy, electrolysis, etc.

23.



Product name: titanium fittings

Material: TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification: according to clients' requirements

Execution standard: HG/T3651-1999

Other requirement: high temperature resistant and corrosion

Features: low density (4.51 KG/m3), 1660 (°C) high melting point, strong

corrosion resistance, high strength, good than plastic.

Areas of application: space, mechanical, chemical and other industries.



Product name: titanium barrels

Material: TA1, TA2, TC4

Specification: according to customer requirements

25.



Product name: titanium equipment

Material: TA1 TA2, TA10 TC4 GR1,,,,,, GR2 GR5 GR7, GR9

According to clients, undertake production titanium, titanium heat exchanger tube, titanium, titanium coil slot, titanium, titanium plate electrolysis fittings.

Characteristics: strong corrosion resistance

Apply in petroleum, chemical, pharmaceutical, alkali, caustic soda, chlorate cell, metallurgy, printing, dyeing, salt, chemical fertilizer, electric power, electroplating, etc.

26.



Product name: tantalum iridium titanium anodes

Material: TA1 TA2,

Specification: 1.0 ~ 5.0 sigma delta

Type: ruthenium titanium anodes, titanium anodes, iridium ruthenium tantalum

titanium anodes, iridium iridium tin titanium anodes. Surface: bright and clean, level off, without defect.

Characteristics: 1, electrode long service life;

2, the media do not produce pollution;

USES: electrolysis production non-ferrous metal, food utensils disinfection,

electrolytic silver catalyst production, wool dyeing wastewater treatment, power needed to produce copper foil, steel galvanized, chrome, electrochemical oxidation recovery mercury, rhodium plating solution, water and electricity, the gilded palladium, combining salt electrolysis, battery production, cathode protection, experienced production, printed circuit board.

27.



Product name: titanium belt

Material: TA1, TA2, Gr1, Gr2, TC4, Gr5

Specification: thickness 0.1 ~ 2.0 delta delta

Execution standard: GB/T 3622 2007

Other requirement: ductility can good, no defects, no surface ruffled. Features: low density (4.51 KG/m3), 1660 (°C) high melting point, strong

corrosion resistance.

Areas of application: medical, electronic, mechanical.

28.



Product name: titanium anodes

Material: TA1 TA2,

Specification: 1.0 ~ 5.0 sigma delta

Type: ruthenium titanium anodes, titanium anodes, iridium ruthenium tantalum

titanium anodes, iridium iridium tin titanium anodes. Surface: bright and clean, level off, without defect.

Characteristics: 1, electrode long service life;

2, the media do not produce pollution;

USES: electrolysis production non-ferrous metal, food utensils disinfection, electrolytic silver catalyst production, wool dyeing wastewater treatment, power needed to produce copper foil, steel galvanized, chrome, electrochemical oxidation recovery mercury, rhodium plating solution, water and electricity, the gilded palladium, combining salt electrolysis, battery production, cathode protection, experienced production, printed circuit board.

29.



Product name: titanium bolt

Material: TA1, TA2, Gr1, Gr2, TC4, Gr5

Specification: M5 ~ M25 x L

Execution standard: GB/T 5780 2000 GB/T 6170, 2000.

Surface: no cracks, the surface light. Characteristics: 1 density is small;

2 than high strength;

3 acid, alkali, salt, water corrosion;

4 mechanical performance is superior.

USES: used in oil industry, power industry, seawater desalination industry, alkali manufacturing industrial salt, coking line industry, wet metallurgy industry, the pharmaceutical industry.



Product name: titanium circle

Material: TA1 TA2, TA3, TA9 TC4 Gr1,,,,,, Gr2 Gr3 Gr4 Gr7, Gr5, Gr9

Specification: diameter: 100 ~ 600; Wall thickness: 1.0 ~ 50

The machine add requirements: ensure that tolerance, the surface does not

have defects size

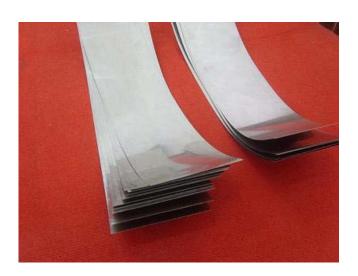
Features: low density (4.51 KG/m3), 1660 (℃) high melting point, strong

corrosion resistance, high strength, good than plastic.

Areas of application: space, mechanical, chemical, metallurgical, sports and

other industries.

31.



Product name: nickel strip Ni200 (N6), Ni201 N4 interchange ()

Content: Ni (plus Co): 99.5%

Density  $\rho = 8.89 \text{ g/cm}3$ 

Specification: 0.01 ~ 0.5 sigma delta

Execution standard: ASTM B162 / UNS N02201 / JIS NW2201 / GB/T2054-2005

## ASTM B162 / UNS N02200 / JIS NW2200

Areas of application: electronic, electroplating, alkali manufacturing, chemical equipment, etc.

Many acid and alkaline nickel in the environment all show good corrosion resistance, is used in reducing medium.

Nickel the biggest characteristic is alkaline medium corrosion, such as KeXingJia, KeXingNa etc, so are widely used in ionic membrane caustic soda process. Compared with most alloy, nickel in dry fluorine of good corrosion resistance. Nickel also successfully applied to 540 °C dry interesting chlorine and hydrogen. Also can be used in the still hydrofluoric acid solution. Nickel in a relatively wide temperature range is a good mechanical properties, easy to manufacture, processing characteristics and low carbon steel works.

32.



Product name: nickel great Ni200 (N6), Ni201 N4 interchange ()

Content: Ni (plus Co): 99.5%

Density  $\rho = 8.89 \text{ g/cm}3$ Specification:  $\phi \phi 2.0 \sim 150$ 

Execution standard: GB/T 4435 84 / ASTM B160-99

Areas of application: electrolysis, electroplating, alkali manufacturing, chemical

equipment, etc.



Product name: nickel board Ni200 (N6), Ni201 N4 interchange ()

Content: Ni (plus Co): 99.5%

Density  $\rho = 8.89 \text{ g/cm}3$ 

Specification: delta 0.5 ~ the delta 50

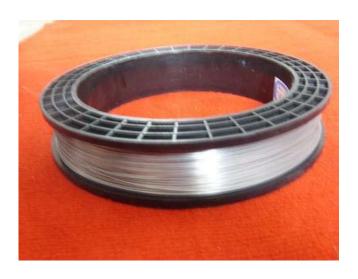
Execution standard: ASTM B162 / UNS N02201 / JIS NW2201 / GB/T2054-2005

ASTM B162 / UNS N02200 / JIS NW2200

Areas of application: plate heat exchanger, corrugated tube compensator

expansion joint, alkali manufacturing, chemical equipment, etc.

34.



Product name: molybdenum wire

Purity: Mo acuity 99.95% Density: acuity 10.2 g/cm3

Specification:  $\Phi$  (0.1 to 2) mm x L (mm)

Appearance: white molybdenum wire, black molybdenum wire

USES: resistance welding electrode, brass, copper, all kinds of copper wire or

copper conductive terminal welding.

High temperature resistance, high strength, good weldability, contravariance capacity, ductility, long service life. Widely used in die casting die, drawing, grid, high temperature stir bar, high temperature pad, high temperature structure, support components, etc.

35.



Product name: molybdenum rods

Purity: Mo acuity 99.95% Density: acuity 10.2 g/cm3

Specification: Φ (16-100) mm x L (mm)

Appearance: a dark brown, smooth surface flat, no crack, heavy leather, pit

and grooves defects, less than 2 mm bending degree

USES: resistance welding electrode, brass, copper, all kinds of copper wire or

copper conductive terminal welding.

High temperature resistance, high strength, good weldability, contravariance capacity, ductility, long service life. Widely used in die casting die, drawing, grid, high temperature stir bar, high temperature pad, high temperature structure, support components, etc.



Product name: tantalum silk

Brand: Ta1 Ta2, Content: 99.8%

ASTM standard GB/T JIS Density: 16.1 (g/cm3)

Specification: phi 0.1 ~ 8.0 x Lmm

Areas of application: electronic, mechanical, chemical, space, etc.

37.



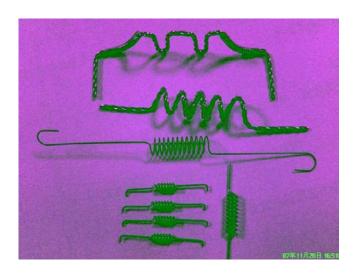
Product name: tantalum great

Brand: Ta1 Ta2, Content: 99.8%

ASTM standard GB/T JIS Density: 16.1 (g/cm3)

Specification: phi 2.0 ~ 150 x Lmm Surface: black, polishing, car light Areas of application: electronic, mechanical, chemical, space, etc.

38.



Product name: tungsten

Brand W-1-1 right Content: 99.95%

Standard ASTM JIS AMS Density: 19.3 (g/cm3)

Tensile strength: 950 ~ 1200 Mpa Specification: phi 0.1 ~ 2.0 x Lmm

Surface: white, black



Product name: tungsten rod

Brand W-1-1 right Content: 99.95%

Standard ASTM JIS AMS Density: 17.35 17.6 (g/cm3)

Tensile strength: 950 ~ 1200 Mpa Specification: phi 2.0 ~ 70 x Lmm

Surface: black

40.



Product name: zirconium great Material: Zirconium, Zirconium (Zr) Brand: Zr0 ZR1 Zr2 Zr4 ZR60705 702

Execution standard: GB/T, ASTMB and related national standards

Content: 99.5%

Specification: phi 0.1-200 x Lmm

Process: forging system, rolling, control

The surface: polishing, black

Delivery status: the hard state, soft state (according to the customer demand

delivery)



Product name: zirconium foil

Material: Zirconium, Zirconium (Zr) Brand: Zr0 ZR1 Zr2 Zr4 ZR60705 702

Execution standard: GB/T, ASTMB and related national standards

Content: 99.5%

Specification: delta 0.03-0.09 x 30 to 150 x Lmm

Process: cold rolling mill system

Delivery status: the hard state, soft state (according to the customer demand

delivery)

42.



Product name: zirconium board Material: Zirconium, Zirconium (Zr)

Content: 99.5%

Brand: Zr0 Zr1 Zr2 Zr4 Zr60705 702

Execution standard: GB/T, ASTMB and related national standards

Specification: delta 0.5-10 x 50-800 x 50-2000 mm

Process: forging system, rolling

Delivery status: the hard state, soft state (according to the customer demand

delivery)