Baoji Chengjin Titanium Industry Co., Ltd

Titanium bar

BJCJTi

2026

Company profile

Introduction of Chengjin Titanium Industry Co., Ltd.

Baoji Chengjin Titanium Industry Co., Ltd. is a manufacturer specializing in the research and development, production and sales of titanium rods, titanium plates, titanium wires, titanium tubes, titanium heat exchangers, and titanium processed parts. The company's main products are titanium materials of various standards (ASTM B348, ASTM F136/F67, ASTM B 265,GB-T13810,GB-T3621), and grades (GR1 ,GR2,GR4,GR5, GR7,GR9, GR12,TC21,BT1-00,BT1-0,BT1-2).

Our company has standardized production plants, high-frequency induction melting furnace, hydraulic press, rolling mill, vacuum annealing furnace, grinder, wire drawing machine, centerless lathe and other production facilities. Our company has flaw detectors, metal spectrometers, titanium chemical laboratories, titanium physics laboratories, and has a complete quality control system, which can be carried out in accordance with ISO9001:2015 international quality management system, ISO14001:2004 international environmental management system, TUV, SGS Quality Control. Our company has improved the efficiency of product delivery through modular and lean organization of production and stocking, inventory management of VMT, CMI, JMI, and integrated logistics management.

Our employees have an average of more than 10 years of industry experience and a complete production system from raw materials to products with strict testing. Our extensive production background sets us apart from other companies and makes our products more cost-effective.We also provide customers with after-sales service and delivery services.

COMPANY ADVANTAGE

High quality

More professional

Cost-Effective

High efficiency

Certificate of
Management System Certification

This is to certify the quality management system of

BAOJI CITY CHENGJIN TITANIUM INDUSTRY CO., LTD.

Unified Social Credit Code:91610301559350490?

Is in conformity with

GB/T 19001-2016 / ISO 9001:2015

This certificate covers the following area

MECHANICAL PROCESSING OF NONFERROUS METAL PRODUCTS

Initial Certification Date: JAN.12.2018 Issue Date: From JAN.12.2018

Validity Period: From JAN.12.2018 To JAN.11.2021

Certificate No.: 04518Q30079R0S Signer: 韩海华

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C045-M

Beijing Daluhangxing Quality Certification Center Co., Ltd.

Address: No. Jia 12, Yuquan road, Haidian district, Beijing, P.R. China P.C.: 100143

Verified

Gold Plus Supplier Assessment Certificate

Certification No.: 18062926_P+T

Baoji Chengjin Titanium Industry Co., Ltd.

宝鸡市程锦钛业有限公司

http://bjscjty.en.alibaba.com

Onsite assessment was conducted by SGS

Valid: 05 Apr. 2018 to 04 Apr. 2020

Issued by: Alibaba.com Assessed by: SGS

Signature:

Title: Director of SGS E-Commerce Government & Institution Services SGS CHK

管理体系认证证书

兹证明

宝鸡市程锦钛业有限公司

统一社会信用代码：91610301559350490?

注册/生产地址：陕西省宝鸡市高新开发区马营镇温泉工业园 邮编：721013

经营地址：陕西省宝鸡市渭滨区高新开发区斗鸡镇厚良工业园 邮编：721013

质量管理体系符合

GB/T 19001-2016 / ISO 9001:2015

本证书覆盖范围

有色金属的机械加工

初次认证日期：2018年01月12日 本次发证日期：2018年01月12日

有 效 期：2018年01月12日至2021年01月11日

证 书 号：04518Q30079R0S 签 发 人：韩海华

IAF CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C045-M

北京大陆航星质量认证中心股份有限公司

地址：北京市海淀区玉泉路甲12号七层 邮编：100143

Verified

Verified Supplier Certificate

Certification No. 20044301_P+T

Baoji Chengjin Titanium Industry Co., Ltd.

宝鸡市程锦钛业股份有限公司

http://bjscjty.cn.alibaba.com

Onsite assessment of the following areas was conducted by TÜV Rheinland.

☑ Company Overview	☑ Human Resources
☑ Current Export Situation	☑ Export Business Capacity
☑ Production Capacity	☑ Quality Assurance
☑ Production Process Management	☑ R & D Capacity
☑ Company Development / Expansion Plans	☑ Production Flow
☑ Certification & Photos	☑ Company and Product Samples

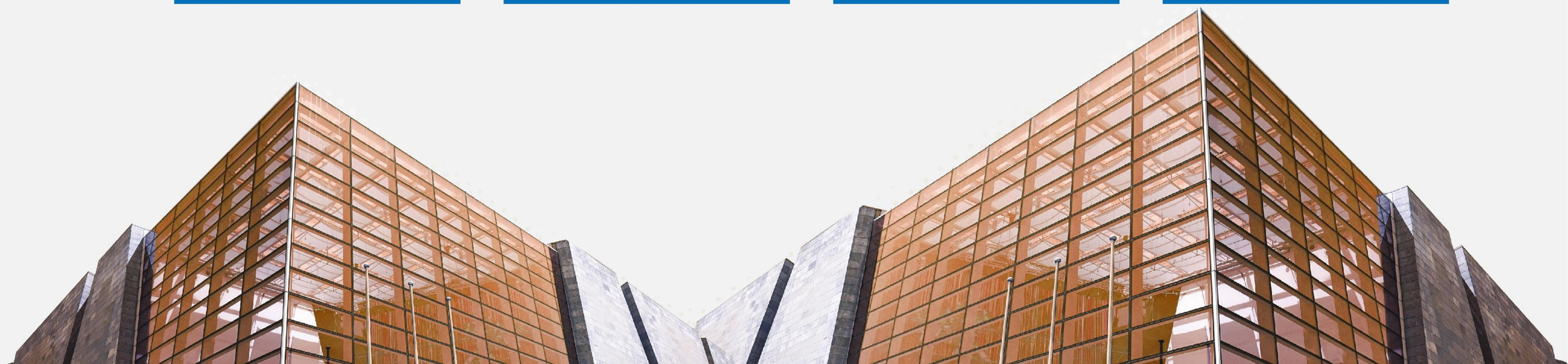
Valid: 26 Mar. 2020 to 25 Mar. 2021

Issued by: Alibaba.com Assessed by: TÜVRheinland Precisely Right.

Date of Issue: 25 Mar. 2020 Certification No. 20044301_P+T

Signature:

Title: Director of Systems TÜV Rheinland Greater China



Production flow chart of titanium rod

Process

Hot rolling

We have excellent technical staff. It has rich experience and industry-recognized product quality for rolling round and square bars of various specifications.

Heat treatment

Multi-temperature zone control technology is adopted to ensure uniform temperature in the furnace. The temperature of the heating and the duration of the insulation are based entirely on our process standards for different materials.

Rolled bar billet heating

We strictly control the heating temperature, holding time and furnace loading of the billet to be rolled. For different materials, we will formulate different process plans to make the bar roll at the most suitable temperature.

Hot Drawing

We strictly control the temperature, duration, drawing speed and dilution ratio of the heat treatment to control the size and surface quality of each bar.

Straightening

We have experienced technicians who strictly control the ellipticity and straightness within the allowable range of the process.

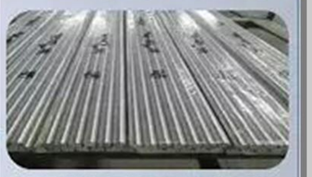
Grinding

The rods transferred from the previous process are grounded in multiple passes by the grinding machine to control the size and tolerance more accurately.

Polishing

We will strictly implement the requirements of polishing once, to ensure that the size and roughness of the product meet the requirements of the process standards.

Packaging, delivery



We will finely package, label and pack the products to ensure they are free from scratches and bumps during transportation.

Peeling

We strictly control the amount of molt removal in the pass to ensure that the size of the product does not exceed the control tolerances of this process.

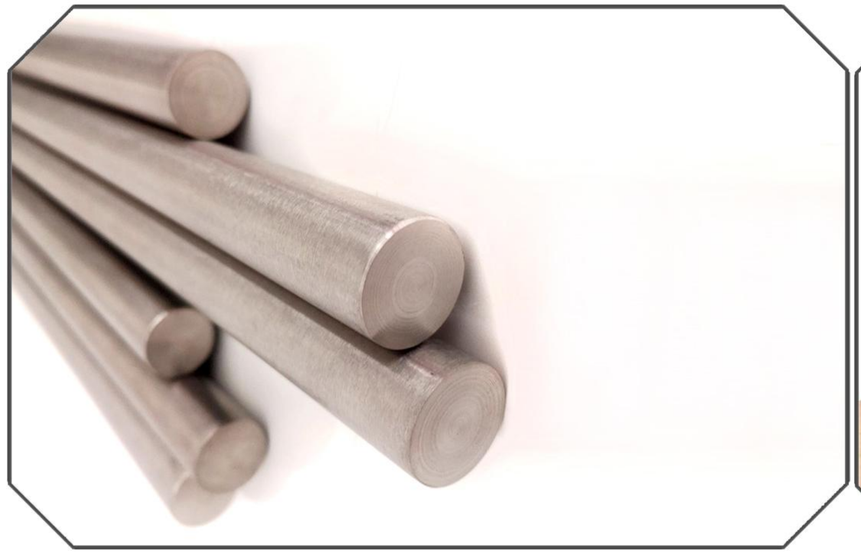
Finishing

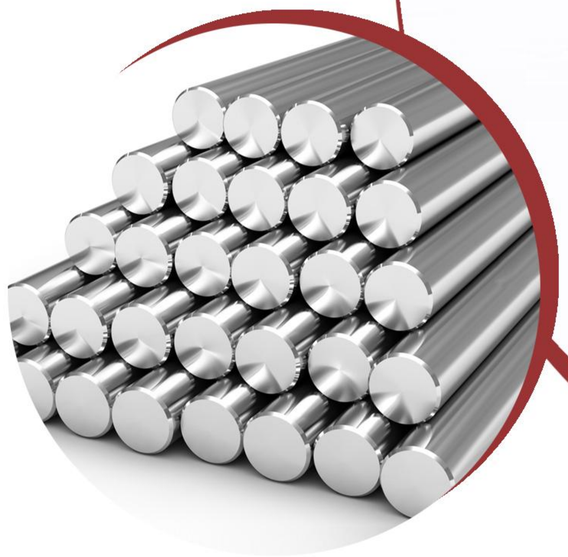
We will strictly control the product to cut and flat, to ensure that the two end faces are vertical and have a smooth rounded chamfer transition.

Quality inspection

We have a professional and experienced quality inspection team, strictly control the quality of each process, once the unqualified products are found, they will be immediately reprocessed or recycled to ensure the product qualification rate of the next process.

Titanium rods show





Titanium rods show

titanium bar/rod

Chemical Requirements

		Composition, Weight Percent A. a. C. D. E									
Grade	UNS Number	Carbon, max.	Oxygen range or max.	Nitrogen, max	Hydrogen, max.	Iron range or max.	Aluminum	Vanadium	Palladium	Ruthenium	Nickel	Molybdenum
1	R50250	0.08	0.18	0.03	0.015	0.2	--	--	--	--	--	--
2/2H	R52400	0.08	0.25	0.03	0.015	0.3	--	--	--	--	--	--
3	R50550	0.08	0.35	0.05	0.015	0.3	--	--	--	--	--	--
4	R50700	0.08	0.4	0.05	0.015	0.5	--	--	--	--	--	--
5	R56400	0.08	0.2	0.05	0.015	0.4	5.5-6.75	3.5-4.5	--	--	--	--
6	R54520	0.08	0.2	0.03	0.015	0.5	4.0-6.0	--	--	--	--	--
7/7H	R52400	0.08	0.25	0.03	0.015	0.3	--	--	0.12-0.25	--	--	--
9	R56320	0.08	0.15	0.03	0.015	0.25	2.5-3.5	2.0-3.0	--	--	--	--
11	R52250	0.08	0.18	0.03	0.015	0.2	--	--	0.12-0.25	--	--	--
12	R53400	0.08	0.25	0.03	0.015	0.3	--	--	--	--	0.6-0.9	0.2-0.4
13	R53413	0.08	0.10	0.03	0.015	0.2	--	--	--	004-0.06	0.4-0.6	--
14	R53414	0.08	0.15	0.03	0.015	0.3	--	--	--	004-0.06	0.4-0.6	--
15	R53415	0.08	0.25	0.05	0.015	0.3	--	--	--	004-0.06	0.4-0.6	--
16/16H	R52402	0.08	0.25	0.03	0.015	0.3	--	--	0.04-0.08	--	--	--
17	R52252	0.08	0.18	0.03	0.015	0.2	--	--	0.04-0.08	--	--	--
18	R56322	0.08	0.15	0.03	0.015	0.25	2.5-3.5	2.0-3.0	0.04-0.08	--	--	--
19	R58640	0.05	0.12	0.03	0.02	0.3	3.4-4.0	7.5-8.5	--	--	--	3.5-4.5
20	R58645	0.05	0.12	0.03	0.02	0.3	3.0-4.0	7.5-8.5	0.04-0.08	--	--	3.5-4.5
21	R58210	0.05	0.17	0.03	0.015	0.4	2.5-3.5	--	--	--	--	14.0-16.0
23	R56407	0.08	0.13	0.03	0.0125	0.25	5.5-6.5	3.5-4.5	--	--	--	--
24	R56405	0.08	0.20	0.05	0.015	0.4	5.5-6.75	3.5-4.5	0.04-0.08	--	--	--
25	R56403	0.08	0.20	0.05	0.015	0.4	5.5-6.75	3.5-4.5	0.04-0.08	--	0.3-0.8	--
26/26H	R52404	0.08	0.25	0.03	0.015	0.3	--	--	--	0.08-0.14	--	--
27	R52254	0.08	0.18	0.03	0.015	0.2	--	--	--	0.08-0.14	--	--
28	R56323	0.08	0.15	0.03	0.015	0.25	2.5-3.5	2.0-3.0	--	0.08-0.14	--	--
29	R56404	0.08	0.13	0.03	0.015	0.25	5.5-6.5	3.5-4.5	--	0.08-0.14	--	--
30	R53530	0.08	0.25	0.03	0.015	0.3	--	--	0.04-0.08	--	--	--
31	R53532	0.08	0.35	0.05	0.015	0.3	--	--	0.04-0.08	--	--	--
32	R55111	0.08	0.11	0.03	0.015	0.25	4.5-5.5	0.6-1.4	--	--	--	0.6-1.2
33	R53442	0.08	0.25	0.03	0.015	0.3	--	--	0.01-0.02	0.02-004	0.35-0.55	--
34	R53445	0.08	0.35	0.05	0.015	0.3	--	--	0.01-0.02	0.02-004	0.35-0.55	--
35	R56340	0.08	0.25	0.05	0.015	0.20-0.80	4.5-5.0	1.1-1.2	--	--	--	1.5-2.5
36	R58450	0.04	0.16	0.03	0.015	0.03		--	--	--	--	--
37	R52815	0.08	0.25	0.03	0.015	0.3	1.0-2.0	--	--	--	--	--
38	R54250	0.08	0.20-0.30	0.03	0.015	1.2-1.8	3.5-4.5	2.0-3.0	--	--	--	--

Chromium	Cobalt	Zirconium	Niobium	Tin	Silicon	Other Elements, max, each	Other Elements, max, total
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	2.0-3.0	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
5.5-6.5	--	3.5-4.5	--	--	--	0.15	0.4
5.5-6.5	--	3.5-4.5	2.2-3.2	--	0.15-0.25	0.15	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	0.2-0.8	--	--	--	--	0.1	0.4
--	0.2-0.8	--	--	--	--	0.1	0.4
--	--	0.6-1.4	--	0.6-1.4	0.06-0.14	0.1	0.4
0.1-0.2	--	--	--	--	--	0.1	0.4
0.1-0.2	--	--	--	--	--	0.1	0.4
--	--	--	--	--	0.20-0.40	0.1	0.4
--	--	--	42-47	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4
--	--	--	--	--	--	0.1	0.4

titanium bar/ rod

Machine Cut After Machine Straighening		
65(76.20) inal	(+1/8,-0(+3.18)	(+3/16,-0 (+4.76)
Owor Sto t (76.20 1o 152.40),indl	(+3/16,-0 (+4.76)	(+¼,-0(+6.35)
Ow:tto s(152.40 1o 228.60),incl	(+¼,-0(+6.35)	(+5/16,-(+7.94)
Ow i to 12 (228.60 1e 304.80),ind	(+½,-0(+12.70)	(+½,-0(+12.70)

Permissible Variations in Size for TitaniumBars-Cold-Finished Rounds

Specified Size,in.(mm)	Size Variation,A in. (mm)
Over 1/2 to 1 (12.70 to 25.40),excl	±0.002 (0.05)
1 to 1/2 (25.40 to 38.10), excl	±0.0025 (0.06)
1 to 1/2 (25.40 to 38.10), excl 1/2 to 4 (38.10 to 101.60), incl	±0.003 (0.08)
A When it is necessary to heat treat or heat treat and pickle after cold finishing, because of special hardness or mechanical property requirements, tolerances are commonly double those shown in this table.	

Camber for Hot-Worked and Cold-Finished Titanium

NoTe 1-Camber is the greatest deviation of a side from a straight line. Mcasurement is taken on the concave side of the bar with a straightedge. Unless otherwise specified, hot-worked and cold-finished bars for machin-ing purposcs arc furnished machine straightened to the tolerances speci-fied in thistable.

	Tolerance
Hot worked	1/8in.(3.18 mm)in any 5 ft(1524 mm),but may not exceed 1/8 x No.of ft in length
Cold finished	5 1/16 in.(1.59 mm) in any 5 ft (1524 mm), but may not exceed 1/16 x No.of ft in length 5

Permissible Variations in Length for Titanium Bars-Hot Worked and Cold Finished		
Secified Sizes, all Shapes, in. (mm)	Length Variations, in. (mm)	
	To 12 ft(3.66 m), incl	Over 12 to 25 ft (3.66 to 7.62 m), inc
TO2(50.80), incl	(+1/2, -0 (+12.70)	(+3/4, -0 (+19.05)
Ovei 2 to 4 (50.80 to 101.60), incl	(3/4, -0 (+19.05)	(+1, -0 (+25.40)
Ovet 4 1o 6(101.60 to 152.40), incl	(+1, -0 (+25.40)	(+1 1/4, -0(+31.75)
Ovel f to 9 (152.40 to 228.60), incl	(+1 1/4, -0(+31.75)	(+1 1/2, -0 (+38.10)
Over 9 to 12 (228.60 to 304.80), ind	(+1 1/2, -0 (+38.10)	(+2, -0 (+50.80)

Permissible Variations in Size for Titanium Bars-Hot-Worked Hexagons and Octagons		
Specified Sizes Between Opposite Sides, in. (mm)	Size Variation, in. (mm)	Maximum Difference, 3 Measurements, in. (mm)
1/4 to 1/2 (6.35 to 12.70), incl	±0.007(0.18)	0.011(0.28)
Over 1/2 to 1 (12.70 to 25.40), incl	±0.010(0.25)	0.015(0.38)
Over 1 to 11/2 (25.40 to 38.10), incl	±0.021(0.53)	0.025(0.64)
Over 11/2 to 2 (38.10 to 50.80), incl	±1/32(0.79)	1/32(0.79)
Over 2 to 212 (50.80 to 63.50), incl	±3/64(1.19)	3/64(1.19)
Over 21/2 to 31/2 (63.50 to 88.90), incl	±1/16(1.59)	1/16(1.59)

Permissible Variations in Size for Titanium Bars-Hot-Worked Flats		
	Thickness Variation from Specified Thickness, in. (mm)	
Specified Widths, in. (mm)	1/8 to 1/2 in. (3.18 to 12.70mm), incl	Over 1/2 to 1 in. (12.70 to 25.40 mm), incl
To 1(25.40), incl	±0.008(0.20)	±0.010(0.25)
Over 1 to 2 (25.40 to 50.80), incl	±0.012(0.30)	±0.015(0.38)
Over 2 to 4 (50.80 to 101.60), incl	±0.015(0.38)	±0.020(0.51)
ver 4 to 6 (101.60 to 152.40), incl	±0.015(0.38)	±0.020(0.51)
ver 6 to 8 (152.40 to 203.20), incl	±0.016(0.41)	±0.025(0.64)

titanium rod

Over 1 to 2 in. (25.40 to 50.80 mm). incl	Width Variation , in. (mm)
...	+164, -164 (+0.40, -0.40)
±1/32 (0.79)	+1/32, -1/32 (+0.79, -0.79)
±1/32(0.79)	+1/16, -1/32(+1.59, -0.79)
±1/32(0.79)	+3/32, -1/16(+2.38, -1.59)
±1/32 (0.79)	+1/8, -5/32 (+3.18, -3.97)

Permissible Variation in Product Analysis

Element	Product Analysis Limits, max or Range, %	Permissible Variation in Product Analysis
Aluminum	0.5 to 2.5	±0.20
Aluminum	2.5 to 6.75	±0.40
Carbon	0.1	0.02
Chromium	0.1 to 0.2	±0.02
Chromium	5.5 to 6.5	±0.30
Cobalt	0.2 to 0.8	±0.05
Hydrogen	0.02	0.002
Iron	0.8	0.15
Iron	1.2 to 1.8	±0.20
Molybdenum	0.2 to 0.4	±0.03
Molybdenum	0.6 to 1.2	±0.15
Molybdenum	1.5 to 4.5	±0.20
Molybdenum	14.0 to 16.0	±0.50
Nickel	0.3 to 0.9	±0.05
Niobium	2.2 to 3.2	±0.15
Niobium	>30	±0.50
Nitrogen	0.05	0.02
Oxygen	0.3	0.03
Oxygen	0.31 to 0.40	±0.04
Palladium	0.01 to 0.02	±0.002
Palladium	0.04 to 0.08	±0.005
Palladium	0.12 to 0.25	±0.02
Ruthenium	±0.005	±0.005
Ruthenium	0.04 to 0.06	±0.005
Ruthenium	0.08 to 0.14	±0.01
Silicon	0.06 to 0.40	±0.02
Tin	0.62.0 to 3.0	±0.15
Vanadium	0.6 to 4.5	±0.15
Vanadium	7.5 to 8.5	±0.40
Zirconium	0.6 to 1.4	±0.15
esiduals^(eac	0.15	0.02

titanium bar

Permissible Variations in Size for Titanium Bars-Cold-Finished Flats

size Width or Thickness, in. (mm)	Width VariationsA from SpeciFile		Thickness Variation, A in. (mm)
	¼ in. (6.35 mm) and under	Over 1/4 in(6.35 mm)	
Over h 1o 1(9.54 to2.)	±0.004 (0.10)	±0.002(0.05)	
Over 1 to 2 (25.40 to 50.80), incl	±0.006(0.15)	±0.003(0.08)	±0.002 (0.05
Over 2 to 3(50.80 to 76.20), incl	±0.008 (0.20)	±0.004 (0.10)	±0.003(0.08) ±0.004 (0.10) ±0.005 (0.13)
Ovet 3 to 4V2 (76.20 to 114.30), incl	±0.010(0.25)	±0.005 (0.13)	

Permissible Variations in Size for Titanium Bars-Hot-Worked Rounds and Squares

Specified Size, in. (mm)	Size Variations, in. (mm)	Out-of-Rounda or Out-of-Square,
V4 10 5/16 (6.35 to 7.94), incl	±0.005(0.13)	0.008(0.20)
Over %6 to %o (7.94 to 11.11), incl	±0.006 (0.15)	0.009(0.23)
Over %6 to 5% (11.11 to 15.88), incl	±0.007(0.18)	0.010(0.25)
Over % to%(15.88 to 22.22), incl	±0.008 (0.20)	0.012(0.30)
Over % to 1 (22.22 to 25.40), incl	±0.009(0.23)	0.013(0.33)
Over 1 10 1% (25.40 to 28.58), incl	±0.010(0.25)	0.015(0.38)
Over 1% to 14 (28.58 to 31.75), incl	±0.011 (0.28)	0.016(0.41)
Over 1Va to 1% (31.75 to 34.92), incl	±0.012(0.30)	0.018 (0.46)
Over 1% 1o 1%(34.92 to 38.10), incl	±0.014(0.36)	0.021 (0.53)
Over 11% to 2 (38.10 to 50.80), incl	±%:(0.40)	0.023(0.58)
Over 2 1o 214 (50.80 to 63.50), incl	+/2, -0(0.79)	0.023 (0.58)
Over 24 1o 34 (63.50 to 88.90), incl	+764, -0(1.19)	0,035 (0.89)
Over 34 to 414 (88.90 to 114.30), incl	+/6, -0(1.59)	0.046(1.17)

Out-of-round is the difierence between the maximum and minimum diameters of the bar, measured at the same cross section.

Oui-of square section is the difference in the two dimensions at the same cross section of a square bar, each dimension being the distance betwean opposite faces.

Permissible Variations in Size for Titanium Bars-Cold-Finished Hexagons, Octagons, and Squares

Specified Size, in. (mm)	Size Variation, A in. (mm)
Over 1/2 to 1 (12.70 to 25.40), incl	(+o.-0.004(-0/10)
Over 1 to 2 (25.40 to 50.80), incl	(+0, -0.006(-0.16)
Over 2 to 3 (50.80 to 76.20), incl	(+0, -0.008(-0.20)
Over 3(76.20)	(+0, -0.010(-0.25)

Permissible Variation in Product Analysis

Element	Product Analysis Limits,max or Range,%	Permissible Variation in Product Analysis
Aluminum	0.5 to 2.5	±0.20
Aluminum	2.5 to 6.75	±0.40
Carbon	0.1	0.02
Chromium	0.1 to 0.2	±0.02
Chromium	5.5 to 6.5	±0.30
Cobalt	0.2 to 0.8	±0.05
Hydrogen	0.02	0.002
Iron	0.8	0.15
Iron	1.2 to 1.8	±0.20
Molybdenum	0.2 to 0.4	±0.03
Molybdenum	0.6 to 1.2	±0.15
Molybdenum	1.5 to 4.5	±0.20
Molybdenum	14.0 to 16.0	±0.50
Nickel	0.3 to 0.9	±0.05
Niobium	2.2 to 3.2	±0.15
Niobium	>30	±0.50
Nitrogen	0.05	0.02
Oxygen	0.3	0.03
Oxygen	0.31 to 0.40	±0.04
Palladium	0.01 to 0.02	±0.002
Palladium	0.04 to 0.08	±0.005
Palladium	0.12 to 0.25	±0.02
Ruthenium	±0.005	±0.005
Ruthenium	0.04 to 0.06	±0.005
Ruthenium	0.08 to 0.14	±0.01
Silicon	0.06 to 0.40	±0.02
Tin	0.62.0 to 3.0	±0.15
Vanadium	0.6 to 4.5	±0.15
Vanadium	7.5 to 8.5	±0.40
Zirconium	0.6 to 1.4	±0.15
Residuals^(each)	0.15	0.02

service system

Design drawings:

Professional product engineers provide design drawings

Logistics delivery:

support various interna-tional logistics delivery services

Professional packaging:

provide export - level standard product packaging

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