





简介 Company Profile

宝鸡市烨盛钛业有限公司，成立于2007年，位于中国“钛谷”——宝鸡，是一家集钛、镍、锆等有色金属材料生产、加工、销售为一体的高新技术企业。

公司主要产品有钛、镍、锆及其合金板、板式热交换器可冲压钛板、棒、丝、管、标准件、锻件及设备。年产500余吨，已被广泛应用于航空、石油、化工、医疗等行业。

在公司成立以来，一直秉承“质量就是企业生命线”的理念，现已形成了完善的质量控制和品质保证体系。产品可按中国国标、美标、俄标、日标等生产，也可按照客户要求要求进行生产加工。

在公司全体员工的努力下，我公司产品已远销欧美、日本、俄罗斯等，并以其稳定、优秀的品质、合理的价格、稳定的交货期获得了广大客户的一致肯定。

公司以诚信为本，以持续创新为宗旨，竭诚为新老顾客提供优质的产品和卓越的服务。

资质证书 Certification



BAOJI YESHENG TITANIUM INDUSTRY CO.,LTD, which is a high-tech enterprise located in the "Titanium Valley"--Baoji was established in 2007. The company is majorly engaged in production and selling titanium, nickel, zirconium and other non-ferrous metal products, such as billets, bars, sheets, pipes, tubes, wires, rings, forgings, equipments etc. Annual production is more than 500 tons. And the products have been widely used in the field of aerospace, petrochemical, petroleum, chemical and medical.

Our products can be manufactured in accordance with ASTM, AMS, ASME, MIL, DMS and other standards or requirements of customers. Under all the members' efforts and our perfect quality management and assurance system the products have been exported to Europe, America, Russia, and Japan. For its stable and reliable quality, we have received consistent recognition from all customers.

The company's development is based on honesty and innovation. We will provide high quality products and excellent service for all customers. Look forward to cooperating with you.

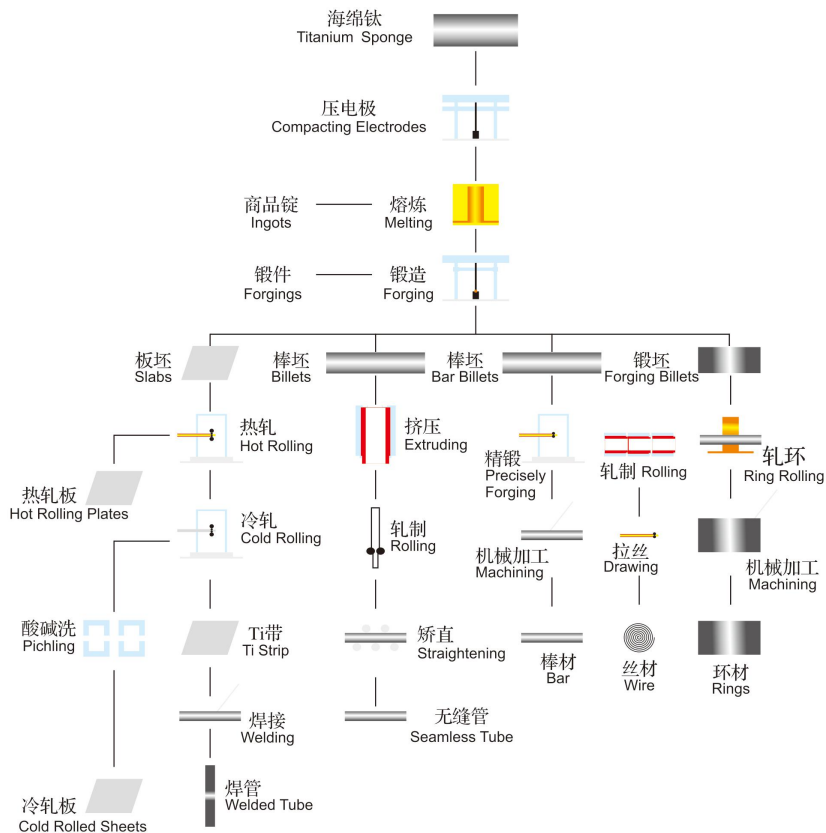
忠信至诚 尽责至善 团结至坚 笃行至韧 进取至臻
Faithful and sincere, devoted, solidarity, tenacity, Enterprising



PRODUCTION

>> Process

工艺流程



PRODUCTS World 产品世界

海绵钛

Titanium Sponge



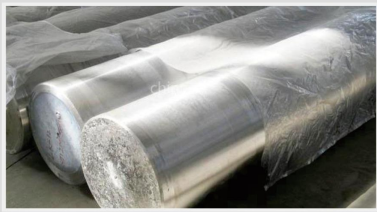
Titanium electrode



Titanium Sponge

钛锭

Titanium Ingots

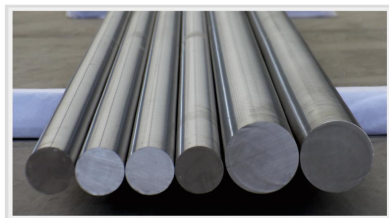


Designation	Dimension		
	Diameter	Length	Unit Weight
TA1-TA4,TA8-TA10, TA15-TA18,TC4, GR1-GR5,GR7,GR9, GR11,GR12,TI-6AL-4V, TI-6AL-4VEI,	460mm 480mm 560mm 650mm 850mm	2000mm	1500kg 2000kg 3000kg 6000kg



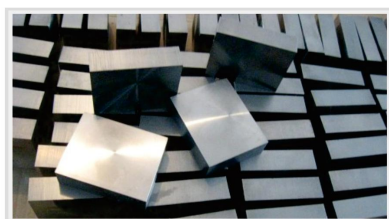
PRODUCTS World 产品世界

钛棒 Titanium Bars & Billets



Designation	Specification	
TA1-TA4,TA8-TA10, TA15-TA18,GR1-GR5, GR7,GR9,GR11,GR12, TI-6AL-4V,TI-6AL-4V ELI	GB/T2965-2007,GB/T13810-2007,ASTMB348/ASME SB348, ASTMF67,ASTMF136,ISO-5832-2,ISO5832-3, AMS4928,MIL-T-9047,and JIS standard	
	Diameter	Length
	4mm~250mm	Max.6000mm

钛方块 Titanium Blocks

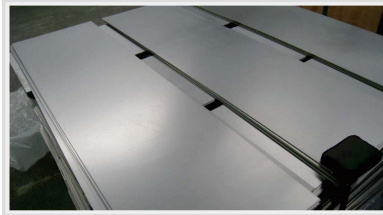


Designation	Specification
TA1-TA4,TA8-TA10, TA15-TA18,GR1-GR5, GR7,GR9,GR11,GR12	ASME SB348,ASTM B348,AMS 4928, ASTM B381

PRODUCTS World 产品世界

钛板

Titanium Sheets & Plates



Designation	Specification
TA1-TA4,TA10,TA15, TA17,GR1-GR5,GR7,GR9, GR7,GR11,GR12	GB/T3621-2007,ASME SB265,ASTM B265,AMS4911
	Dimension
	Thk.0.6-2.0x1000x ≤ 3000mm Thk.3.0-5.0x1250x ≤ 3500mm Thk.6.0-60x ≤ 2500x ≤ 7000mm

钛管

Titanium Tubes



Designation	Specification
TA1-TA3, TA8-TA10,TA16,TA18, GR1-GR3,GR7 GR9,GR11,GR12	ASME SB338,ASTM B338,ASTM B337, ASTM B861,GB/T3624-2010,GB/T3625-2007
	Dimension
	OD.6-16X0.2-1.5X ≤ 4000mm OD.17-30x0.8-2.0x ≤ 6000mm OD.31-120x1.2-5.5x ≤ 10000mm

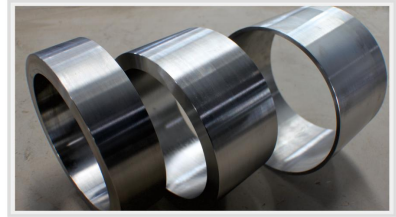
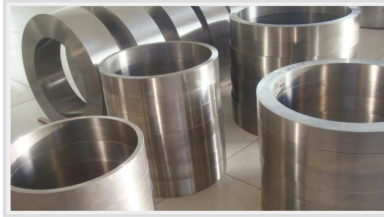


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钛环

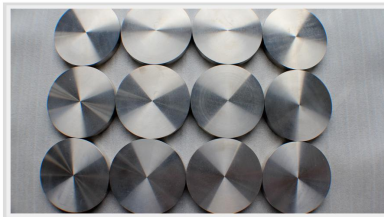
Titanium Rings



Designation	Specification
TA1-TA3, TA8-TA10,TA17, GR1-GR5,GR7,GR9, GR11,GR12,Ti-6AL-4V	ASME SB381,ASTM B381,AMS 4928,GB/T16598-2013
	Dimension
	OD.2500/ID.300xT600mm

钛饼

Titanium Disks

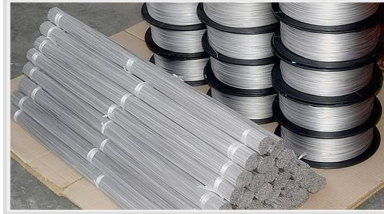


Designation	Specification
TA1-TA3,TA8-TA10, TA15-TA18,GR1-GR5, GR7,GR9,GR11, GR12	ASME SB381,ASTM B381,AMS 4928,GB/T16598-2013
	Dimension
	DIA200-2000XT300mm

PRODUCTS World 产品世界

钛丝

Titanium Wires



Designation	Specification
TA1-TA3,TA8-TA10, TA16,GR1-GR5,GR7, GR9,GR11,GR12	GB/T3623-2007,ASTM B348/ASME Sb348, ASTM B863,AWSA5.16,GB/T16598
	Dimension
	Dia:0.4-6xcoil/≤2000mm

钛方条

Titanium Square Bars



Designation	Specification
TA1-TA3, GR1-GR4	GB/T3623-2007,ASTM B348/ASME Sb348, ASTM B863,AWSA5.16,GB/T16598
	Dimension
	8x8xL 10x10xL 12x12xL 9.5x6.5xL 12.7x12.7xL 19.05x19.05xL 25.4x25.4x125.4x12.7xL 25.4x6.35xL 12.7x6.35xL



PRODUCTS World 其它产品



钛标准件

Titanium Standard Parts



钛铜复合

Titanium Clad Copper



钛阀体

Titanium Valve Body



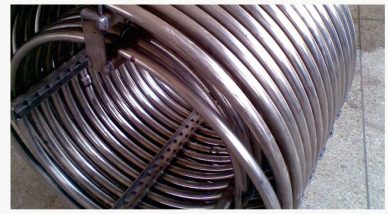
钛法兰

Titanium Flanges



钛管板

Titanium Tube Plates



钛盘管

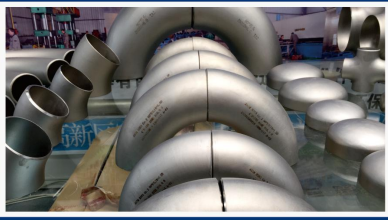
Titanium Coils

PRODUCTS World 其它产品



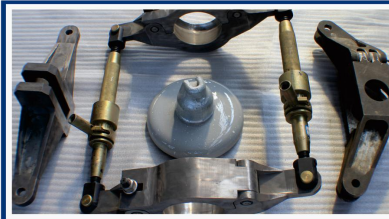
钛靶块

Titanium Targets



钛管件

Titanium Pipe Fittings



钛电力卡具

Titanium Power Clamps



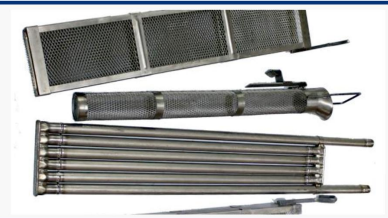
钛焊管

Titanium Weld Pipes



钛加工件

Titanium Processed Parts



钛网篮

Titanium Basket



EQUIPMENTS 生产设备



真空自耗熔炼炉
Vacuum Consumable Melting Furnace



3500MT 液压机
3500MT Hydraulic Press



锯床
Sawing Machine



龙门铣床
Milling Planer

EQUIPMENTS 生产设备



立式车床
Vertical Lathe



数控车床
Numerically Controlled Lathe



剪板机
Plate Shear



生产车间
Production Workshop





钛及钛合金牌号和化学成分
Designation and composition of titanium and titanium alloys

合金牌号	化学成分	化学成分 %														
		主要成分									杂质, 不大于					
		Ti	AL	Sn	Mo	Pd	Ni	Si	B	Fe	C	N	H	O	其他元素 单一 总和	
TA1EL1	工业纯钛	余量	—	—	—	—	—	—	—	0.10	0.03	0.012	0.008	0.10	0.05	0.20
TA1	工业纯钛	余量	—	—	—	—	—	—	—	0.20	0.08	0.03	0.015	0.18	0.10	0.40
TA1-1	工业纯钛	余量	≤0.20	—	—	—	—	—	≤0.08	0.15	0.05	0.03	0.003	0.12	—	0.10
TA2EL1	工业纯钛	余量	—	—	—	—	—	—	—	0.20	0.05	0.03	0.008	0.10	0.05	0.20
TA2	工业纯钛	余量	—	—	—	—	—	—	—	0.30	0.08	0.03	0.015	0.25	0.10	0.40
TA3EL1	工业纯钛	余量	—	—	—	—	—	—	—	0.25	0.05	0.04	0.008	0.18	0.05	0.20
TA3	工业纯钛	余量	—	—	—	—	—	—	—	0.30	0.08	0.05	0.015	0.35	0.10	0.40
TA4EL1	工业纯钛	余量	—	—	—	—	—	—	—	0.30	0.05	0.05	0.008	0.25	0.05	0.20
TA4	工业纯钛	余量	—	—	—	—	—	—	—	0.50	0.08	0.05	0.015	0.40	0.10	0.40
TA5	Ti-4Al-0.005B	余量	3.3~4.7	—	—	—	—	—	0.005	0.30	0.08	0.04	0.015	0.15	0.10	0.40
TA6	Ti-5Al	余量	4.0~5.5	—	—	—	—	—	—	0.30	0.08	0.05	0.015	0.15	0.10	0.40
TA7	Ti-5Al-2.5Sn	余量	4.0~6.0	2.0~3.0	—	—	—	—	—	0.50	0.08	0.05	0.015	0.20	0.10	0.40
TA7EL1	Ti-5Al-2.5SnEL1	余量	4.50~5.75	2.0~3.0	—	—	—	—	—	0.25	0.05	0.035	0.0125	0.12	0.05	0.30
TA8	Ti-0.05Pd	余量	—	—	—	0.04~0.08	—	—	—	0.30	0.08	0.03	0.015	0.25	0.10	0.40
TA8-1	Ti-0.05Pd	余量	—	—	—	0.04~0.08	—	—	—	0.20	0.08	0.03	0.015	0.18	0.10	0.40
TA9	Ti-0.2Pd	余量	—	—	—	0.12~0.25	—	—	—	0.25	0.08	0.03	0.015	0.20	0.10	0.40
TA9-1	Ti-0.2Pd	余量	—	—	—	0.12~0.25	—	—	—	0.20	0.08	0.03	0.015	0.18	0.10	0.40
TA10	Ti-0.3Mo-0.8Ni	余量	—	—	0.2~0.4	—	0.6~0.9	—	—	0.30	0.08	0.03	0.015	0.25	0.10	0.40

合金牌号	化学成分	化学成分 %															
		主要成分									杂质, 不大于						
		Ti	AL	Sn	Mo	V	Mn	Zr	Si	Nd	Fe	C	N	H	O	其他元素 单一 总和	
TA11	Ti-6Al-1Mo-1V	余	7.35~8.35	—	0.75~1.25	0.75~1.25	—	—	—	0.30	0.08	0.05	0.015	0.12	0.10	0.40	
TA12	Ti-5.5Al-8Fe-2Zr-1Mo-1Nb-0.25Si	余	4.8~6.0	3.7~4.7	0.75~1.25	—	—	1.5~2.5	0.2~0.35	0.6~1.2	0.25	0.08	0.05	0.0125	0.15	0.10	0.40
TA12-1	Ti-5.0Al-8Fe-2Zr-1.3Mo-1Nb-0.25Si	余	4.5~5.5	3.7~4.7	1.0~2.0	—	—	1.5~2.5	0.2~0.35	0.6~1.2	0.25	0.08	0.04	0.0125	0.15	0.10	0.30
TA13	Ti-2.5Cu	余	—	—	0~3.0	—	—	—	—	—	0.20	0.08	0.05	0.010	0.20	0.10	0.30
TA14	Ti-2.3Al-1.15Sn-0.8Zr-1Mo-0.25Si	余	2.0~2.5	10.5~11.5	0.8~1.2	—	—	4.0~6.0	0.10~0.50	—	0.20	0.08	0.05	0.0125	0.20	0.10	0.30
TA15	Ti-6.5Al-1Mo-1V-2Zr	余	5.5~7.1	—	0.5~2.0	0.8~2.5	—	1.5~2.5	≤0.15	—	0.25	0.08	0.05	0.015	0.15	0.10	0.30
TA15-1	Ti-6.5Al-1Mo-1V-1.5Zr	余	2.0~3.0	—	0.5~1.5	0.5~1.5	—	1.0~2.0	≤0.10	—	0.15	0.05	0.04	0.003	0.12	0.10	0.30
TA15-2	Ti-6Al-1Mo-1V-1.5Zr	余	3.5~4.5	—	0.5~1.5	0.5~1.5	—	1.0~2.0	≤0.10	—	0.15	0.05	0.04	0.003	0.12	0.10	0.30
TA16	Ti-2Al-2.5Zr	余	1.8~2.5	—	—	—	—	2.0~3.0	≤0.12	—	0.25	0.08	0.04	0.006	0.15	0.10	0.30
TA17	Ti-4Al-2V	余	3.5~4.5	—	1.5~3.0	—	—	—	≤0.15	—	0.25	0.08	0.05	0.015	0.15	0.10	0.30
TA18	Ti-3Al-2.5V	余	2.5~3.5	—	1.5~3.0	—	—	—	—	0.25	0.05	0.02	0.015	0.12	0.10	0.40	

合金牌号	化学成分	化学成分 %																
		主要成分									杂质, 不大于							
		Ti	AL	Sn	Mo	V	Cr	Fe	Mn	Cu	Si	Fe	C	N	H	O	其他元素 单一 总和	
TC1	Ti-2Al-1.5Mn	余	1.0~2.5	—	—	—	—	0.7~2.0	—	—	0.30	0.08	0.05	0.02	0.15	0.10	0.40	
TC2	Ti-4Al-1.5Mn	余	3.5~5.0	—	—	—	—	0.8~2.0	—	—	0.30	0.08	0.05	0.02	0.15	0.10	0.40	
TC3	Ti-5Al-4V	余	4.5~6.0	—	3.5~4.5	—	—	—	—	—	0.30	0.08	0.05	0.015	0.15	0.10	0.40	
TC4	Ti-6Al-4V	余	5.5~6.8	—	3.5~4.5	—	—	—	—	—	0.30	0.08	0.05	0.015	0.20	0.10	0.40	
TC4EL1	Ti-6Al-4VEL1	余	5.5~6.5	—	3.5~4.5	—	—	—	—	—	0.25	0.08	0.03	0.025	0.13	0.10	0.30	
TC6	Ti-6Al-1.5Cr-2.5Mo-0.5Fe-0.35Si	余量	5.5~7.0	—	2.0~3.0	—	0.8~2.3	0.2~0.7	—	—	0.15~0.40	—	0.08	0.05	0.015	0.18	0.10	0.40
TC8	Ti-6.5Al-3.0Mo-0.25Si	余量	5.8~6.8	—	2.8~3.8	—	—	—	—	—	0.2~0.35	0.40	0.08	0.05	0.015	0.15	0.10	0.40
TC9	Ti-6.5Al-3.3Mo-2.5Sn-0.35Si	余量	5.8~6.8	1.8~2.8	2.8~3.8	—	—	—	—	0.2~0.4	0.40	0.08	0.05	0.015	0.15	0.10	0.40	
TC10	Ti-6Al-0.25Mo-0.5Fe-0.35Si	余量	5.5~6.5	1.5~2.5	—	5.5~6.5	—	0.35~1.0	—	0.35~1.0	—	—	0.08	0.04	0.015	0.20	0.10	0.40

合金牌号	化学成分	化学成分 %																
		主要成分									杂质, 不大于							
		Ti	AL	Sn	Mo	V	Cr	Fe	Zr	Nb	Si	Fe	C	N	H	O	其他元素 单一 总和	
TC11	Ti-6.5Al-3.3Mo-1.5Zr-0.35Si	余量	5.8~7.0	—	2.8~3.8	—	—	—	0.8~2.0	—	0.2~0.35	0.25	0.08	0.05	0.02	0.15	0.10	0.40



钛及钛合金物理性能
Physical properties of titanium

牌号	力学性能			
	抗拉强度 Rm/Mpa	延伸强度 Rp0.2/Mpa	断面伸长率 A/%	断面收缩率 Z/%
	不小于			
TA1	240	140	24	30
TA2	400	275	20	30
TA3	500	380	18	30
TA4	580	485	15	25
TA5	685	585	15	40
TA6	685	585	10	27
TA7	785	680	10	25
TA9	370	250	20	25
TA10	485	345	18	25
TC1	585	460	15	30
TC2	685	560	12	30
TC3	800	700	10	25
TC4	895	825	10	25
TC4 ELI	830	760	10	15
TC11	1030	900	10	30

Mechanical Properties							
Alloys Specifications	Status	Tensile Strength		Yield Strength		Elongation	Area of Reduction
		Ksi	Mpa	Ksi	Mpa	%	%
Grade1	Annealed	35	240	25	170	24	30
Grade2	Annealed	50	345	40	275	20	30
Grade3	Annealed	65	450	55	380	18	30
Grade4	Annealed	80	550	70	483	15	25
Grade5	Annealed	130	895	120	828	10	25
Ti-6AL-4V ELI	Annealed	125	860	115	795	10	25
Grade6	Annealed	120	828	115	483	15	25
Grade7	Annealed	50	345	40	275	20	30
Grade9	Annealed	90	620	70	483	15	25
Grade11	Annealed	35	240	25	170	24	30
Grade12	Annealed	70	483	50	345	18	25

钛及钛合金国内外相近（相似）牌号对照表
Domestic and foreign titanium and titanium alloy designation comparison table

国标	美标	俄标	日标	
TA1	工业纯钛	GR1	BT1-00	TP270
TA2	工业纯钛	GR2	BT1-0	TP340
TA3	工业纯钛	GR3		TP450
TA4	工业纯钛	GR4		TP550
TA8	Ti-0.05Pd	GR16		
TA8-1	Ti-0.05Pd(板换)	GR17		
TA9	Ti-0.2Pd	GR7		TP340Pb
TA9-1	Ti-0.02Pd(板换)	GR11		
TA10	Ti-0.3Mo-0.8Ni	GR12		
TA17	Ti-4Al-2V		HT-3B	
TA18	Ti-3Al-2.5V	GR9	OT4-1B	TAP3250
TB5	Ti-15V-3Al-3Gr-3Sn	Ti-15333		
TC4	Ti-6Al-4V	GR5	BT6	TAP6400
TC1	Ti-2Al-1.5Mn		OT4-1	
TC2	Ti-4Al-1.5Mn		OT4	
TC3	Ti-5Al-4V		BT6C	
TC10	Ti-6Al-6V-2Sn-0.5Cu-0.5Fe	Ti-662		
TC24	Ti-4.5Al-3V-2Mo-2Fe			SP-700
TA7	Ti-5Al-2.5Sn	GR6	BT5-1	TAP5250
TA11	Ti-8Al-1Mo-1V	Ti-811		
TA15	Ti-6.5Al-1Mo-1V-2Zr		BT-20	





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