

钨条/Tungsten Bar



» 用途

Application

主要用于压力加工制造各种发射阴极、定型杆、下垂钨丝等。

It is mainly used to prepare various emitting cathodes, shaping bars, non-sag tungsten wire and the like by pressure processing.

牌号 Code	用途 Application
CCW92	用于制造汽车灯用钨丝、高温卤素灯用钨丝等。 It is used to produce tungsten filaments for automotive lamps and high temperature halogen lamps, etc.
CCW91	用于制造卤素灯用钨丝、汽车辅灯用钨丝、高温定型杆、发射阴极等。 It is used to produce tungsten filaments for halogen lamps and automotive auxiliary lamps, high temperature shaping bars, emitting cathodes in HID, etc.
CCW61	用于制造普通照明灯用钨丝（普通、节能灯）、发射阴极杆、低温定型杆等。 It is used to produce tungsten filaments for general lighting lamps (ordinary bulbs, energy-saving lamps), emitting cathode in HID, low temperature shaping bars, etc.
CCW31	用于制造导丝、电极芯棒、弹簧电极用钨丝等。 It is used to produce leading wire in HID lamps, mandrel and coiling wire for MHL, spring electrode, etc.

» 规格

Specification

牌号 Code	形状 Shape	规格 Size (mm)	单重 Single weight (kg)	长度 Length (mm)	锥度 Taper (mm)
CCW92 CCW91	Round	Φ17.0~750	2.65~3.00	720~780	15.5~17.2

» 化学成分

Chemical Composition

牌号 Code	W含量 Tungsten content (wt%)	其它元素最大含量 Max. content of impurities (ppm)					
		K	Fe	Al	Mo	As/Ca/Cr/Mg/ Mn/Na/Ni/Ti/Si	Bi/Cd/ Cu/Pb/Sb/Sn
CCW92	99.95	80-100	20	15	30	10	5
CCW91	99.95	70-90	20	15	30	10	5
CCW61	99.95	60-75	20	15	30	10	5
CCW31	99.95	40-60	20	15	30	10	5
Analysis method	Minusing	AAS	AAS	ICP	ICP	AAS/ICP	ICP

钨杆/Tungsten Rod



» 用途

Application

主要用于机械加工制造各种发射阴极、定型杆、导丝、电极芯棒等。

It is mainly used to prepare various emitting cathodes, shaping rods, lead wire, electrode mandrel and the like by mechanical machining.

牌号 Code	用途 Application
CCW91	制造发射阴极、高温定型杆等。 It is used for emitting cathodes, high temperature shaping rods, etc.
CCW61	制造发射阴极、低温定型杆等。 It is used for emitting cathodes, low temperature shaping rods, etc.
CCW31	制造导丝、电极芯棒等。 It is used for lead wires, electrode mandrel, etc.

» 规格

Specification

表面状态 Surface	锻制/碱洗 Forged/Alkaline cleaned		矫直/碱洗 Straightened/Alkaline cleaning		磨光 Polished		长度公差 Length tolerance (mm)
	规格 Size (mm)	直径公差 Dia. Tolerance (mm)	椭圆度 Ovality (mm)	直径公差 Dia. Tolerance (mm)	椭圆度 Ovality (mm)	直径公差 Dia. Tolerance (mm)	
0.6≤d<0.8	-	-	±0.01	≤0.01	±0.01	≤0.01	L < 100 ± 1.0
0.8≤d<1.0	-	-	±0.01	≤0.01	±0.01	≤0.01	100≤L < 300 ± 1.5
1.0≤d<3.0	-	-	±0.02	≤0.02	±0.02	≤0.02	300≤L < 500 ± 2.0
3.0≤d<4.0	±0.10	≤0.10	±0.10	≤0.10	±0.02	≤0.02	500≤L < 1000 ± 2.5
4.0≤d<6.0	±0.10	≤0.10	±0.10	≤0.10	±0.03	≤0.03	1000≤L < 2000 ± 5.0
6.0≤d<12.0	±0.20	≤0.20	±0.20	≤0.20	±0.03	≤0.03	

Tungsten Plate for Sheet Rolling

Application: Tungsten plate is used to produce tungsten sheet by rolling.

Features: High purity, excellent electrical and thermal conductivity. Remarkable corrosion and radiation resistance.

Appearance: Grey color without any defects, such as cracks and broken edges.



Tungsten Plate Blank

Grade and Physical Property

Name	Grade	Size		Application
		Thickness (mm)	Unit Weight (Kg)	
Pure tungsten plate	WBP	20-40	5-30	Used to produce tungsten workpiece, sheet, target, polished plate, thermal shield, boat, etc.

Chemical Composition Of Tungsten Plate

Grade		WBP	Analysis (equipment)
Main content (wt%, ≥)		99.95	
Impurities (ppm, ≤)	Fe	30	AAS
	Ni	20	
	Si	20	
	K+Na	Actual value	
	Cr	40	ICP
	Al	20	
	Cu	10	
	Ga	20	
	Mn	-	
	Mg	10	
	Mo	40	
	Pb	1	
	Bi	1	
	Sn	1	
	Cd	1	
	Sb	10	
	As	15	
	P	10	
C	30	Colorimetry	
O	20	C/S analyzer	
N	20	O/N analyzer	
Standard	ZGCC's specification		

Remarks: The main content is calculated by deducting the impurities content (gas element is excepted).