

## Tungsten Carbide Blank



### Introduction

This series products mainly cover tungsten carbide blank, carbide boring bar, carbide preforms, and some other precision tools. Toonney Tungsten Carbide Blank Plant, as one of the famous carbide boring bar manufacturer, has gotten a good reputation at home and abroad. For these years, more and more foreign companies, which vary from machine industry, auto industry, engineering industry and so on, go for Toonney Tungsten Carbide Blank Plant for getting high quality precision tools, carbide boring bar, carbide preforms with a competitive price.

Tungsten carbide blank from Toonney [tungsten carbide blank plant](#) has different sizes. Toonney Factory also is named as Tungsten Carbide Blank Boring Bar Factory, which can manufacture tungsten carbide boring bar in various shapes according to customers requirements.

**Carbide preforms:** Besides carbide blanks, Toonney also do further machining base on blanks and offer various preforms according to customer's different requirement. Shape as customer required, and dimension, detail further requirement which make the carbide blank more close to the finished products customer want to get from.



[Toonney Precision Tools Factory](#) has around 50 different grades tungsten carbide material with different width, length and thickness. Then using different formulas to meet any special requirements beyond listed (we have a common list of precision tools for customers in below)

Please feel free to contact us for further information of our tungsten carbide blank, carbide boring bar, carbide performs, and some other precision tools.

Packaging Details: Plastic bag, then protected in foam lay, finally to an outer carton.

Samples Matters: Tungsten carbide blank which can be available from our common regular inventory, can be offered as samples for free. For some tungsten carbide boring bar and cemented bar with irregular customer special required, will be charged. Of course, customers need to pay for the shipping fee. Usually, the lead time of the samples will be within 7working days

Minimum Order Quantity: There is no minimum order quantity of tungsten carbide blank or carbide boring bar for the first trial order. But on the second order, the total amount of tungsten carbide blank and carbide boring bar should be not less than 1000USD.

Delivery Time: 7-15 working days

## Specification

Grade	ISO grade	Cobalt	Grain size	Density	Hardness	Hardness	TRS
		(Co%)	( $\mu$ m)	(g/cm <sup>3</sup> )	(HRA)	(HV)	(N/mm <sup>2</sup> )
TU06	K05-K10	6.0	0.4	14.80	94.0	2177	3800
TF06	K05-K10	6.0	0.6	14.81	93.1	2037	3600
TU08	K10-K20	8.0	0.4	14.52	93.5	2099	3800
TU40	K20-K40	10.0	0.8	14.40	91.8	1834	3800
TU40F	K20-K40	10.0	0.6	14.45	92.3	1912	4000
TU44	K20-K40	12.0	0.4	14.10	92.8	1990	4200
TU25	K20-K40	12.0	0.5	14.06	92.5	1943	3800
TU45	K20-K40	13.0	0.4	13.96	92.6	1959	4000

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The specification also can be made according to customers' requirements.

## Feature

Product name: [Tungsten carbide blank](#)/ Carbide boring bar

Place of Origin: Fujian, China (Mainland)

Brand Name: Toonney

Model Number: TC

Type: Tungsten carbide blank/ Carbide boring bar

Material: Tungsten carbide material

Tolerance: As required.

Surface treatment:

Grade: TU06,TF06,TU08,TU40,TU40F,TU44,TU25,TU45

Size:As required

Port: Xiamen

Payment terms: FOB Xiamen

## Application

1. TU06 Tungsten carbide blank ( Density of [tungsten carbide blank material](#): 14.8; HRA of tungsten carbide blank material: 94)

Fit for making PCB microdrilling, micro milling cutter and kinds of hard metal solid tools. Recommand material to make milling cutter of which Dia. is 1.2mm and above.

2. TF06 Tungsten carbide blank ( Density of tungsten carbide blank material: 14.81; HRA of tungsten carbide blank material: 93.1)

Fit for cutting aluminum and magnesium alloy, copper base alloy, iron-base alloy, plastic, graphite, carbon fiber etc. Re-commanded material for making drill and mill cutter for aluminum and magnesium material.

3. TU08 Tungsten carbide blank ( Density of tungsten carbide blank material: 14.52; HRA of tungsten carbide blank material: 93.5)

High strength and hardness, good for machining acrylic material, re-commanded material for making PCB drill and big drill of which dia. Is 0.7mm and above.

4. TU40 tungsten carbide blank ( Density of tungsten carbide blank material: 14.4; HRA of tungsten carbide blank material: 91.8)

Re-commanded material for common drill, end mill, specially good to mill and drill the material common die steel, gray iron, Austenit steel, and alloy.



5. TU40F Tungsten carbide blank ( Density of tungsten carbide blank material: 14.45; HRA of tungsten carbide blank material: 92.3)

Re-commanded material for making drill,milling cutter etc, to mill and drill steel, stainless steel, cast iron and aluminum alloy of which hardness is below 50HRC.

6. TU44 Tungsten [carbide blank](#) ( Density of tungsten carbide blank material: 14.1; HRA of tungsten carbide blank material: 92.8)

Fit for making different specification milling cutters, reamer, carving blades etc. specially performs good in tools cutting in high speed for example in cutting quenched steel, aluminum alloy, titanium alloy etc.

7. TU25 Tungsten carbide blank ( Density of tungsten carbide blank material: 14.06; HRA of tungsten carbide blank material: 92.5)

The material for mill and drill tools to machining material heat treatment steel, cast iron, stainless steel.

8. TU45 Tungsten carbide blank ( Density of tungsten carbide blank material: 13.96; HRA of tungsten carbide blank material: 92.6)

Re-commanded material for all kinds end mill, reamer, carving blade etc., performs good in high speed light cutting area,specially fit for quenched steel, aluminum alloy, titanium alloy etc.

## Advantage

1. High quality: Tungsten carbide material has different specification: different in thickness, wear resistance and shock resistance.

2. Long service life: Tonney's precision tools have a long service life .

3. Manufacturer price: Tonney [precision tools manufacturer](#) is also a famous local carbide blank plant. So there are some government supporting policies, then customers can get a “manufacturer price”.

4. Fast delivery: Tonney precision tools factory has a professional design team and large scale of producing. Our delivery time is 7-15 days.

5. Environmental protection: purity without recycled material