



## Carbide Cutting Tools



### Introduction

Carbide tools/ carbide cutter are usually used for cutting in machine manufacturing, so it also called carbide cutting tools. The vast majority of carbide cutting tools are used for machine, but there are also hand-used carbide cutting tools. Because carbide cutting tools are used commonly for cutting metal, so it also can be called metal cutting tools. Then we can easily understand what is wood cutting tools, which is used for cutting wood material. There is a special cutting tools used for geological exploration drilling, drilling wells and mines. Its name is mining tools. Toonney carbide cutting tools plant have more than 10 years experience of producing carbide cutting tools and sometimes Toonney [carbide cutting tools factory](http://www.tncarbide.com) can accept customized carbide cutting tools and carbide cutter.

Glass cutting tool refers to the cutting tools used for cutting glass. Tungsten carbide in application of glass cutting tools are because of its high hardness which can give the cutter a very sharp tip and and high wear resistance. Toonney offers lots circle disc blanks to glass cutting tool factory for glass cutter factories, Toonney also make the finished glass cutting blade if required. According to the material of the glass cutting

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tools, there are three glass cutting tool: diamond glass cutting tool, synthetic diamond [glass cutting tool](#),

carbide glass cutting tool. The bit of the cutting tool is the key part of the glass cutting tool, which decided the cutting quality of glass cutting tool. The bit of glass cutting tool has a sharp blade, which is used to cut the surface of glass. And then there will be a trough on the glass. Brittle glass is easy to split along the trough. The material of handle will be paid more attention to the user's handle feeling, the strength and beautiful look of the whole glass cutting tool. So according to the handle, there are four different kinds of glass cutting tools: aluminium handle glass cutting tool, red wood handle glass cutting tool, plastic handle glass cutting tool and bronze handle glass cutting tool. If classification according to function, there are five different kinds: multi-functional glass cutting tool, test pencil glass cutting tool, positioning glass cutting tool, measuring tape glass cutting tool and six-wheeled glass cutting tool. Do you want to know more about Toonney glass cutting tool plant?

Carbide reamers, as a kind of high efficient cutting tools, has been more and more widely used since its appearing. In China, many [carbide reamers](#) plant have studied and developed tungsten carbide, diamond carbide, titanium carbide, tantalum carbide, and carbide material such as cobalt and so on. Carbide reamers factory also broke through the difficulty of efficient reaming. TOONNEY carbide reamers manufacturer also pay more attention to these problems: how carbide reamers can be properly designed and processed, and especially how the carbide reamers parameters can achieve reasonable arrangement. TOONNEY carbide reamers plant devotes itself to making carbide reamers get standardization, optimization and systematization. What's more, TOONNEY carbide reamers factory wants to get good economic benefits for customers.

Samples Matters: [Carbide tools](#)/ carbide cutter, and carbide reamers which can be available from our common regular inventory, can be offered as samples for free. For some carbide tools/ carbide cutter and carbide reamers 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 7 working days.

Minimum Order Quantity: There is no minimum order quantity of carbide tools/ carbide cutter and carbide reamers for the first trial order. But on the second order, the total amount of carbide tools/ carbide cutter, and carbide reamers should be not less than 1000USD.



## 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                 |

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

## Feature

Product name: Carbide tools/ [carbide cutter](#)

Place of Origin: Fujian, China (Mainland)

Brand Name: Toonney

Model Number: CT

Type: Carbide tools/ carbide cutter

Material: tungsten carbide

Tolerance: As required.

Surface treatment: Blank, polished or mirror polishing

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

Size: As required

Port: Xiamen

Payment terms: FOB Xiamen

## Application

1. TU06 Tungsten carbide cutting tools ( Density of tungsten carbide cutting tools material: 14.8; HRA of tungsten carbide cutting tools material: 94)

Fit for making PCB micro-drilling, micro milling cutter and kinds of hard metal

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solid tools. Re-command material to make milling cutter of which Dia. is 1.2mm and above.

2. TF06 Tungsten carbide cutting tools ( Density of tungsten carbide cutting tools material: 14.81; HRA of tungsten carbide cutting tools 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 cutting tools](#) ( Density of tungsten carbide cutting tools material: 14.52; HRA of tungsten carbide cutting tools 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 cutting tools ( Density of tungsten carbide cutting tools material: 14.4; HRA of tungsten carbide cutting tools 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 cutting tools ( Density of tungsten carbide cutting tools material: 14.45; HRA of tungsten carbide cutting tools 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 cutting tools ( Density of tungsten carbide cutting tools material: 14.1; HRA of tungsten carbide cutting tools 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 cutting tools ( Density of tungsten carbide cutting tools material: 14.06; HRA of tungsten carbide cutting tools material: 92.5)

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

8. TU45 Tungsten carbide cutting tools ( Density of tungsten carbide cutting tools material: 13.96; HRA of tungsten carbide cutting tools 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.



### Advantages

1. Toonney [carbide tools plant](#) can accept OEM & ODM service. Toonney carbide tools factory has a professional group of designers and makers.
2. Toonney [carbide cutter plant](#) can offer high quality carbide cutter with a “manufacture price”, which is much cheaper than other agents.
3. Toonney carbide cutter manufacturer can offer all kinds of carbide cutter: carbide tips, carbide blade, carbide rods and so on.
4. Carbide tools produced by Toonney [carbide tools manufacture](#) have a high strength, wonderful hardness, excellent wear resistance and good toughness.
5. Carbide cutter produced by Toonney carbide tools factory has outstanding oxidation resistance, perfect thermal conductivity and outstanding thermal cracking resistance.

