



Carbide Rotary Burr Manual

Carbide Rotary Burr is also called tungsten carbide high speed milling cutter and tungsten carbide mould milling cutter, which are mainly used for cutting and processing all kinds of metal workpieces, polishing metal welded seams, processing non-metal handicraft products like marbles ,jades, bones as well as cutting medical appliances of operation. As a necessary tool for bench workers and repairmen, it's advantages include good cutting quality, smooth finish of work pieces and long tool service lifetime, which ensures better production efficiency and economic benefits in comparison to similar products.

- 1 . Carbide rotary butt can be used to process all kinds of metal materials, clear off scraps of cast parts, forged pieces and welded pieces, welded seam and burrs and can also be used to cut quenched steel(<HRC70)
2. Process internal hole surface, chamfer angle, radius and groove of mechanical accessories.
- 3.Replace small shanked grinding disc to ensure processing without dust pollution and improve efficiency three to five times.
- 3.Process metal mould chambers of all kinds of shapes, and production efficiency it ten times better than common manual tools
4. Its abrasion resistance is ten times better than high speed steel knife, more than one hundred times better than small grinding disc;

Carbide Rotary Burr is mainly driven by people who hold wind-driven or electric tool and can also be applied to machine tools, Rotary tool must be tightly clamped at correct position when it is being used. carbide rotary burr can have good performance only under high speed operating state.

Its operating speed should between 3800~7500 surface cm per minute. The matched rotary speed between rotary tool and main shaft is recommended as follow:

Rotary Burr diameter(mm)	Recommended main shaft speed(r/min)
Φ3~5	40000~50000
Φ6~7	30000~35000
Φ8~9	25000~28000
Φ10~11	20000~23000
Φ12~15	15000~18000
Φ16~25	10000~14000

Tooth Form Parameters



M
Standard tooth



F
thin tooth

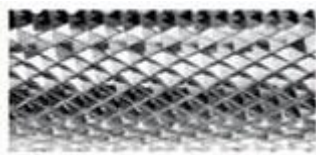


C
thick tooth

Order number representation of standard tooth, For example:A1020M06

Order number representation of thick tooth, For example:A1020C06

Order number representation of thin tooth, For example:A1020F06



Double cut with standard cutting tooth

We can do any customized and special carbide rotary burrs according to clients' drawing.

Note:

Carbide rotary burr should be used matching with electric or wind-operated tools with the driving speed of 6000~50000 times per minute.

Please wear protective glasses in time of using the product in order to avoid the flying of cut scraps.

Do not use it with clamp tools of different coaxiality.

Knife tools with lengthened rod must be operated at reduced speed after coaxiality is matched properly

Customize special-purpose non-standard knife tools for users.

It is more effective to use lubricants, liquid wax lubricants and synthetic lubricants during operation. It is advisable to add lubricants to the cutting edge of tool head on a regular basis.

Higher operating speed is very important to the use of round tool head in an effective and economical way.