



Vitrified CBN Grinding Wheels For Camshaft And Crankshaft

Vitrified cbn grinding wheels for camshaft and crankshaft are mainly used for camshaft and crankshaft of automotive, motorcycle, diesel, gasoline etc. Material includes cast iron, carbon steel, alloy steel, bearing steel etc. Suit for grinder like Japan Toyota, German Junker and Schaudt etc.

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Features of vitrified cbn grinding wheels for camshaft and crankshaft:

1. large amount of grinding;
2. high wear resistance;
3. Good self-sharpening ability.
4. high grinding ratio;
5. need a sufficient supply of coolant in the grinding.
6. in large scale production, usually use a diamond rotary dresser for dressing

vitrified cbn grinding wheels for camshaft and crankshaft description:

1. The grinding of mild steel is the first choice. A lot of experience on imported and domestic stainless steel and other soft steel grinding to achieve very ideal results, and efficiency increased by about 100%, economic benefits increased by 200%.
2. Precision and final grinding of workpieces (micro-bearings, air machines, crankshafts, camshafts, high-precision threads, instruments, etc.) produced in large quantities on automatic machines.
3. The grinding of complex workpieces (gear shaper, broach, high precision gear, die, punch, etc.) with a good edge and angle retention.
4. Fine grinding and final grinding of large precision workpieces (machine tool guide, high precision

lead screw, etc.). The common abrasives used in these workpieces are easy to cause large deformation because of high grinding temperature. The best choice is CBN grinding wheel.

5. Fine and final grinding of precision parts made of heat-resistant steel and alloy steel with high hardness (HRC55 or above). When these parts are used with ordinary abrasives, high accuracy can not be obtained because of abrasives consumption or abrasive bluntness too fast.

6. Mass production of workpieces such as instruments and micro-bearing parts on automatic or semi-automatic machine tools

7. CBN grinding for titanium alloy is the best choice of grinding wheel.

Ceramic bonded diamond CBN grinding wheel has more and more obvious advantages in grinding some special materials such as ceramics, and has a good prospect in the development of the diamond grinding wheel. It is considered to be a high-performance grinding wheel with high speed, high efficiency, high precision, low grinding cost and low environmental pollution. It has more and more extensive application and has become a hot spot of research and development of grinding tools all over the world in recent years.