

Cutting tool of milling of high speed aluminium radical carborundum -- CDW302 material is qualitative PCD milling cutter

Composite material of aluminium radical carborundum applies extensively at aerospace, car, electron to enclose because of its advantageous physics, mechanical function, war industry equipment is made wait for a domain. The buildup of because composite material of aluminium radical carborundum is medium tall hardness, high strength, strong wearability the existence of grain SiC, second treatment is very secondly difficult, make typical difficult treatment composite material. Tall hardness add wild phase join the difference of treatment surface quality in bringing about cutting to machine, cutting tool to wear away acuteness, cause cutting tool service life to shorten considerably, finished cost is very high, machine efficiency in the limitation on certain level, cannot realize batch production, restricted the wide application of this kinds of material badly. In recent years, develop application ceaselessly as what exceed hard data cutting tool, the machining difficult problem of aluminium radical carborundum, problem of difficult treatment of composite material of aluminium radical carborundum was solved on certain level, make its receive wider and wider application. The cutting tool material of milling of high speed of aluminium radical carborundum is qualitative -- CDW302 material gets together character brilliant diamond material qualitative CDW302 is current machine the cutting tool with relatively good composite material of aluminium radical carborundum, CDW302 is to mix granularity to get together brilliant diamond material is qualitative, have very tall wearability (a few hundredfold that are hard alloy), wear-resisting performance is so superior, add man-hour to be able to carry sharp point, in high speed milling condition of aluminium radical carborundum falls acquire higher exterior quality, reduce blade to rub the auxiliary time such as cutting tool, polish, reduce the labor intensity of handlers, improve manufacturing efficiency greatly. Cutting tool of milling of high speed of aluminium radical carborundum -- milling cutter of material qualitative PCD has CDW302 of milling cutter of CDW302 material qualitative PCD a variety of configuration, can satisfy the treatment requirement of different operating mode. Milling cutter of the blade that be like sheet, helix milling cutter, double blade milling cutter, ball head milling cutter is waited a moment, following plan institute are shown.



