The material with commonly used millingcutter? What does milling cutter typehave?aa

The material with commonly used milling cutter:

(1) adds up to golden tool steel. Use as the alloy tool steel ofmilling cutting tool basically has CrW5.

(2) high-speed steel. The 2 ? that the bending strength of high-speed steel is general hard alloy 3 times, a few times concussiontoughness is taller than hard alloy also, the hardness after heattreatment is 63 ? 69HRC, the highest temperature that high-speed steel allows is 500 ? 600 ? , cutting speed is 16 ? 35m/mlncommonly, have good cutting performance, apply to make allsorts of milling cutter, among them, by contain Gao Fan ofcobaltic, tall carbon to contain cobalt, contain cobalt to exceedhard model the milling cutter that high-speed steel makes,special apply to alloy of alloy of treatment high temperature, highstrenth steel, stainless steel, titanium to wait for difficult treatmentmaterial.

(3) hard alloy. The hardness of hard alloy is very tall, can amountto 89 ? 93 FIRA or 74---82HR(: ? Blade of leg of ? of boundlessand indistinct of Xiong of courtyard of ? rapid ? breaks?00 ofgauze of ?of port lofty Lu- - 1000 ? , cutting speed is commonly80- - 120 M/min. Accordingly, the cutting functionof hard alloyexceeds high-speed steel far, cutting tool life can rise to arriveseveralfold a few times.Major hard alloy suits to make millingcutter (bit) , wait like YG8, YT5, YT14 comfortable the thick mill atrough entire section and discontinuous cutting; YG6, YT15comfortable the half essence mill atsuccessive section and millof essence of life.

The hard alloy of the new name that special Yu Xi cuts hasYTM30, YTS25, YT798 to wait. In addition, of new name exceedfine grain hard alloy, wait like YG10H, YGRIVI, YH1, YH2, YH3,YD10, because cutting blade intensity is high, also suit to makethe milling cutter of small size. Steel writtens guarantee hardalloy, wait like Dl, Tl, also suit to make the milling cutter oftreatment nonferrous metal and its alloy, heat-resisting alloy,stainless steel.

(Material of 4) coating cutting tool. Material of coating cutting toolis to point to in hard alloy or high-speed steel cutting toolapparently, besmear the metallization of the high strenth with ana few thick micron, tall wearability closes matter. Material of thiskind of cutting tool has the concussion toughness of matrixalready, have very tall surface hardness again, enlarged thesuitable scope of coating razor blade consequently, cutting function also rose greatly.

(Material of cutting tool of 5) new-style pottery and porcelain. Material of cutting tool of new-style pottery and porcelain can be divided by its bases for alumina department, nitrogen the department that change silicon and compound nitrogen change silicon one alumina is 3 kinds big. Material of cutting tool of of all kinds pottery and porcelain becomes dispenses property according to its, the cutting that can apply to some limits only is machined. Like milling steel (hardness under milling cutter of material of hot pressing pottery and porcelain can choose only when 35HRC) ; When milling casting pig, should material of cutting tool of pottery and porcelain of first selection Sialon (namely compound Si3N. - cutting tool of Al2()3 pottery and porcelain, it is a variety of compound that make by place of Si-Al-()-N series element group floorboard) , it is to pick material of cutting tool of hot pressing pottery and porcelain next; And milling nickel base alloy (mouth. ? 6. 35mm, f=0. 13 ? 0. When 30mm) , choose cutting tool of Sialon pottery and porcelain more appropriate.

(6) exceeds material of strong cutting tool. Exceeding material of strong cutting tool is the be called by a joint name that diamond and cubic nitrogen change boron.

Diamond applies extensively at milling cutter, basically machine all sorts of nonferrous metal, metalloid material and composite material to wait.