







## Machine tool spare parts uses right angle square shoulder milling cutter function

Machine tool spare parts uses property of milling cutter of right angle square shoulder

Machine tool net - net of numerical control machine tool - net of machine tool business affairs - website of family status of machine tool trade is rolled out ceaselessly as manufacturer have stronger function and more efficient product, the production of these spare parts becomes more and more complex, difficulty also becomes taller and taller. Besides complex outline and stricter public errand, the spare parts is made by high-powered data normally, while these material are offering necessary intensity and reliability, also can produce negative effect to machinability.

Square shoulder milling cutter and conic milling cutter

The bit span of the pitch of milling cutter or milling cutter affects its performance. When the machine tool lacks power or rigid, joint arrives to lengthen lever or be used at deep axial cutting, thick pitch (big pitch) milling cutter is applicable. Under photograph comparing, cutting tool of high density pitch is OK when be used in the strict setting of high power machine tool utmost land increases the purify that cut bits lead. If machine tool intensity and rigidity are insufficient, serration cutting tool can cause vibration.

Normally configuration is milling cutter the treatment requirement with specific processing. Square shoulder milling cutter has what arrange around radial of the predestined relationship outside cutting tool to become a bit, make its apply to axial cutting the application of deepness weak point at length of blade of single bit cutting. To bigger cutting deepness, the conic milling cutter that contains axial crisscross bit can be used at grooving, model antrum milling and brae milling, and circumferential with helix interpolation.

Raise Turbo10 series milling cutter to include square shoulder milling cutter and conic milling cutter. When be united in wedlock with photograph of proper bit geometry appearance, square shoulder milling cutter is OK cutting 90 degrees of horn. This milling cutter has two kinds of pitch: 4 tine version and 5 tine version. The diametrical limits of conic milling cutter is the Turbo10 that rolls out recently 32 to 80 millimeter, cutting deepness comes for  $0.8 \times D$   $2.0 \times D$ . Square shoulder milling cutter and conic milling cutter all can use a variety of clamp systems. Have capable person of 13 kinds of hard alloy material of point of a knife of 3 kinds of qualitative, PCD pledges and 5 kinds of groove can offer an alternative. This model highlighted the flexibility of Turbo10 system, can process a variety of data, include alloy of material of steel, stainless steel, cast-iron, horniness, high temperature and nonferrous metal.

Material brand and coating

Coating can increase wearability and heat resistance, improve tool performance further. Fundamental coating includes TiN (nitrogen changes titanium) wait for merchandise data, with the black metal that treats at needing high temperature. Outstanding cost effectiveness and property are had in your application. More advanced coating material is AlTiN (nitrogen changes aluminous titanium). Although this kind of coating is more expensive than fundamental coating, but it also is had better high temperature resistant quality, the ideal that makes its make the difficulty application such as titanium alloy, foundation alloy and cast-iron milling chooses. Of this coating high temperature resistant the gender allows to undertake below certain operation condition type is machined working. Every tool manufacturer developed his basic coat idea. For example, the Duratomic coating with expensive hill controls the atomic structure with outer alumina, raise the surface to be spent glossily with utmost ground, prolong cutting tool life and raise rate. Expression.

Cutting tool function basically is decided by the function of matrix and wear-resisting coating. The

