

Orthogonal milling cutter

In milling treatment application, orthogonal milling cutter (milling cutter of 90 ° tool cutting edge angle) is the most commonly used milling cutting tool. They apply extensively at square shoulder milling, milling opening slot, stage having protruding (build child face) end panel milling. The kind that still can take milling and car mill treatment with slope machines certain face. No matter be but dislocation milling cutter, whole hard milling cutter still solders milling cutter, orthogonal milling cutter is the product that takes dominant place in the general milling series of each tool manufacturer.

When choosing orthogonal milling cutter, a few main critical factors need a consideration, for example function of rigidity of quality of surface of requirement of workpiece material, mental allowance, precision, workpiece, system, machine tool. These elements affect the choice of structure of appearance of angle of pair of milling cutter types, point, cutting tool not only, also be the crucial place that cutting tool is having consider when cutting tool design in manufacturer. Use whole hard milling cutter to realize treatment of high accuracy milling for example; Use the demand that reduces cutting tool cost can come true while dislocation milling cutter satisfies burden cutting. Whole hard milling cutter and solder the point angle figure that type milling cutter needs essence of life to grind treatment to give place to need, and but the point angle form that the suppress razor blade in dislocation milling cutter decides cutting tool directly.

20 centuries at the beginning of 90 time, the milling cutter of HELIMILL series right angle that as Yi Sika innovation rolls out structure of razor blade of installation helix blade, metallic cutting machined a domain to realize great leap. The efficient cutting blade of helix blade razor blade by end face (before knife face) with helix flank (hind knife face) form. The cutting tool that this is a milestone type written guarantee compose is designed, bit has constant to decide before horn and along cutting blade Bian Heng decides hind horn. This initiates sexual structure to reduce cutting power consumption to make cutting more smooth greatly. Series of Yi Sika HELIMILL led a kind of brand-new razor blade to design a concept, the horn after constant cutting is being formed after the razor blade that hold clip becomes the surveyor's spole that new bit structure designs, go in the foremost follow that milling technology develops.

Sort of appearance of razor blade of orthogonal milling cutter is numerous, include rectangular, square, parallelogram, lozenge, triangle or protruding triangle. The appearance of bit decided bit not only but dislocation point number, and what also can affect bit is a few otherer main character. Compare with photograph of rectangular razor blade, square or triangular razor blade are wider. Bit width is wider be helpful for designing the central bolt hole with larger diameter, through using norms bigger bolt realizes solid bit locking. However the accretion of bit width is met not only demarcate milling cutter is the smallest diametrical limits, and the intensity that along radial deeper razor blade locates groove still can reduce cutter hub. And this also is an element that balance can need in design of milling cutter of dislocation right angle only merely. There still are many elements to need a consideration in the design, if choose the paper-cover razor blade that distributing along radial to still choose an edge tangential those who distributing establish outfit razor blade, limits of radius of round horn of bit point of a knife, whether does bit take Xiu Guangren, whether does bit take the function that divide bits to wait. The factor that must consider in milling cutter design still has the kind of the milling that be mixed by the character of treatment material.

Yi Sika's newest orthogonal milling cutter

As all sorts of appearance on tool market and formal razor blade gain ground, the design gives new bit form to had become the past. The product of milling cutter of NEOLOGIQ series right angle of Yi Sika newest research and development, aim to explore the cutting tool solution that achieves contented and fast efficient milling.

