







## Of tool cutting edge angle of shallow knife taking about mill choose

Kr of tool cutting edge angle (say to cut horny EnteringAngle again) the important parameter that is cutting tool, it is the included angle of cutting blade and feed direction, this parameter can affect the curly form that cuts bits greatly, decide the way of cutting force.

Next graphs are the cutting sketch map of milling cutter of commonly used 90 degrees of tool cutting edge angle, this kind of cutting tool advocate cutting blade is side edge, use at machining sidewall and the face with perpendicular underside, friend also calls square shoulder milling cutter. The appearance of bit has different design, the catling that includes strip piece, also have the 3 blade design that is a triangle roughly, also have the 4 blade design with quadrangular graphic representation. The direction that the characteristic when it is machined is cutting force is centered in radial, namely as perpendicular as cutter shaft direction, the cutting force of axes is smaller, can produce bigger curved moment to cutting tool, consequently multi-purpose at short imagine extended an use view. Bit also can do geminate facet design, such practicable point amounts are double, overall for, the double point razor blade of strip cuts late meeting effectively bigger, of the razor blade of 4 blade cut effectively deep a few smaller, at the same time the radial dimension of 4 blade razor blade is occupied bigger than comparing, the smallest diameter of corresponding arbor also can slant a few smaller, slope walks along ability to compare difference generally also to be done not have even.

Additional, part of highlight of graphic representation is the cross section figure that cuts bits, assume rectangular position, the ply that cut bits just agrees with the every time feed of cutting tool. The ply that cut bits is the main referenced factor that blade point designs, razor blade of every kind of has when the design but the value of the ply that cut bits with the greatest susceptible, according to this the value pushes every time feed in application.

[China End Mills / End Milling Cutter](#)



