

## The geometry of milling cutter parameters

1, milling cutter tags referenced department

Although the sort of milling cutter is very much, there also characteristic each on the structure, but milling cutter of kind of main columnar still milling cutter is a delegate two kinds.

Cylindrical the orthogonal plane of milling cutter consults department and normal plane consult is.



Hind horny choice: Milling cutter is much fine cutting tool, chip is small, wear away to basically happen in advocate horn knife face; Because of the horn after this increases approach can reduce milling cutter wear away. Of high-speed steel milling cutter hind horny  $0$  for  $5^\circ$   $12^\circ$ , workpiece data is wear big cost, data takes small cost forcedly; Thick fine milling cutter takes small cost, serration milling cutter takes big cost; Small diameter milling cutter takes  $16^\circ$   $18^\circ$ . The choice of blade dip. Because the impact when milling is bigger, to protect point of knife,  $S$  is the blade dip of milling cutter of hard alloy face  $15^\circ$ , when having stuff of milling low intensity only,  $10^\circ$ ; Cylindrical  $S$  of general blade dip takes milling cutter  $45^\circ$  establish milling cutter  $S$  to take  $30^\circ$   $45^\circ$ .

Tool cutting edge angle and deputy slant horny choice: For milling cutter is commonly used  $R=45^\circ$ ,  $60^\circ$ ,  $75^\circ$ ,  $90^\circ$  machining complex rigidity is good take great value to take cost conversely, deputy slant  $10^\circ$  of  $S$  of  $S$  of horny  $r=5$  cutting edge angle of columnar milling cutter  $R=90^\circ$

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