

Milling machine and milling, milling cutter

Milling

Regard the cutting of cutting tool as treatment with gyal cutter. Milling undertakes on milling machine or boring machine. Milling is commonly, comfortable at machining all sorts of planar, cylindrical and curved surfaces (be like spline, gear and whorl) the special curved surfaces with the mould. The feature of milling is: Each tooth of the milling cutter participates in the cutting process periodically discontinuously. Every tooth is in the cutting process in the cutting process is changed. Graph 1 it is a few kinds of familiar milling treatment patterns.



Graph the tooth back appearance of milling cutter of 6 pointed

Milling cutter presses the treatment means cent of tooth back. There are two kinds. Milling cutter of 6 pointed: Go up at the back of the tooth, grind give a narrow first flank in order to form hind horn, the cutting angle is reasonable, its life is taller. The tooth back of pointed tip milling cutter has linear curve and broken line of forms (graph 6). Linear tooth back is commonly used for finish machining milling cutter at serration. The tooth back of curve and broken line tooth back is better, can bear heavy cutting load, commonly used at thick tip milling cutter. 6 pointed milling cutter: Cut with the shovel at the back of its (the shovel is ground) the tooth back that the method process of corkscrewed yarn of Cheng Aji Meade, milling cutter is used. The hind simply is ground again in front, can carry original tooth back changeless, use at making all sorts of figuration milling cutter, such as gear milling cutter.

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