



## The basic types of relieving forming milling cutter

Relieving forming cutter is used for milling a workpiece surface forming special tools. Its blade-shaped silhouette design is calculated according to the workpiece, and it has high productivity, and to ensure interchangeability of the workpiece shape and size, and therefore widely used. Press back form cutter tooth shape can be divided into two kinds of shovel teeth and tooth tip.

1. Tines forming milling cutter: Tines form cutter teeth more, after a reasonable angle, thus cutting light, smooth, good surface quality, high cutter life. But tines shaped cutter require special cam CNC tool grinder or grinding up behind heavy, grinding process is complicated. Therefore, knife-shaped cutter generally made simple tooth tip.

2. Relieving forming milling cutter: Shovel cut back by the radial teeth are formed so as to have post-forming edge angle. Along the flank of the tool before and after regrinding can guarantee constant blade shape, so commonly used in the production of shovel tooth structure, only in mass production only uses tines structure. This chapter discusses only shovel shaped tooth design methodology cutter.

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