



## The end mill clamping

End mill machining centers mostly used spring clips Sets folder mode, when used in a cantilever form. In the milling process, the milling cutter may sometimes appear gradually extended from the tool holder, or even fall, resulting in scrapped parts of the phenomenon, the reason is common between due toolholder shank within the hole and the outer diameter of the end mill the presence of the oil film, formed due to insufficient clamping force. End mills are usually coated with anti-rust oil factory, if you use a non-water-soluble cutting oil when cutting toolholder bore also attached to a layer of mist film, when the shank and tool holder are present film, toolholder difficult to firmly grip the handle in the neutral milling machining can easily fall loose. So before the end mill setup, you should first milling toolholder shank and the hole cleaned with cleaning fluid, dry and then be clamped.

When the larger diameter end mills, even if the toolholder shank and very clean, or accidents that may occur out of the knife, then flattened gap should be used with the corresponding side of the handle and the lock mode.

Another topic that may occur after milling cutter is clamped in the toolholder milling machining neutral port at the break, the reason is due to the common use of time is too long toolholder, toolholder port portion has worn tapered caused at this time should be replaced with new toolholder.

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