

PCD) cutting tool chosen?aa

The treatment means of the goods such as electrode of blacklead mould, black lead basically is given priority to with turning,milling, bore, and black lead product is simple firm and fragile,if,be in in treatment process cutting tool (PCD cutting tool) thechoice is incorrect, produce collapse caustic phenomenon veryeasily, the author joins real case today, how should the PCDcutting tool that will machine black lead a little choose ~

One, the cutting tool material that processes black lead product chooses character

Cutting tool material is the prime factor that decides function ofcutting tool cutting character, to machining efficiency, treatmentquality, finished cost and cutting tool durability have very bigeffect. But because black lead makes character firm and fragile,so cutting cutting tool needs to have tall hardness and tallwearability, enough strength and concussion tenacity, thefunction such as good machinability, commonly used cutting toolmaterial is at present qualitative main with diamond (PCD) givepriority to.

Diamond (PCD) cutting tool has a lot of kinds of structures, belike PCD milling cutter, PCD reamer, PCD broach, PCD lathe tool, cutting tool of CVD diamond coating, but in domain of blacklead goods, basically give priority to with PCD lathe tool anddiamond coating milling cutter, at present commonly used PCDlathe tool has CDW302 material to pledge with CDW010 materialpledges, treatment efficiency is tall, milling cutter of CVDdiamond coating with HPD black lead special milling cutter is given priority to.

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

