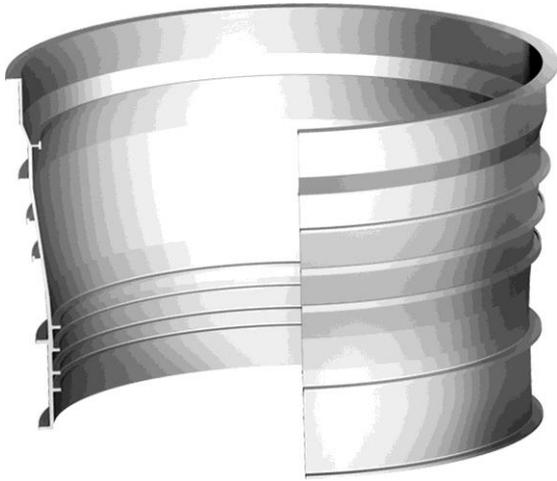


风扇机匣（钛合金） Fan casing (titanium alloy)



风扇机匣的主要材质为钛合金，具有高硬度、高强度、耐腐蚀、耐高温的难加工特性，刀具磨损剧烈，加工硬化现象严重，切削困难。

Fan casing is mainly made of titanium alloy, with high hardness, high strength, corrosion resistance, high temperature resistance, causing severe tool wear and work-hardening, difficulty in cutting.

风扇机匣大多为车削加工，使用异型专用刀具、高压冷却刀具等是提高加工效率的有效途径。

Fan casing mostly involves turning operations. The application of special tools and high pressure cooling cutting tools is an effective way to improve machining efficiency.



车削刀片 Turning inserts (-SNR/-NM/-NGF/-NF)

-NF 槽型刀尖锋利，适合精加工及薄壁件加工；

-NF geometry: Sharp nose, for finishing and thin-walled parts machining

-NGF 兼顾刀尖锋利性和强度，是半精加工到精加工的首选槽型；

-**NGF** geometry with balanced nose sharpness and strength, is the first choice for semi-finishing to finish.

-**NM** 槽型刃口强度高，适合从连续、断续到要求苛刻的切削场合；

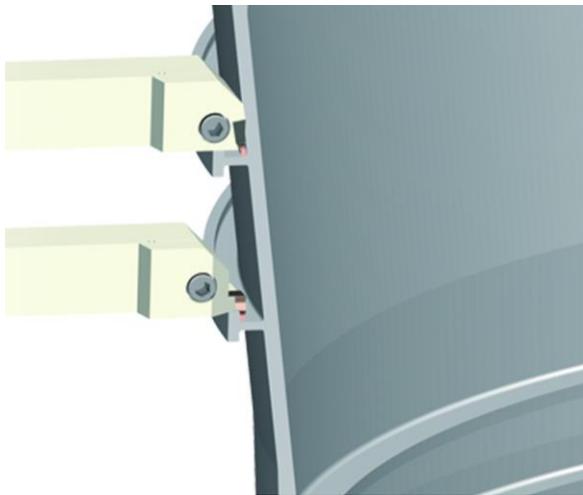
-**NM** geometry with good edge strength, for continual, interrupted cutting to demanding operations.

-**SNR** 槽型适合大切深加工及锻件等的硬皮加工；

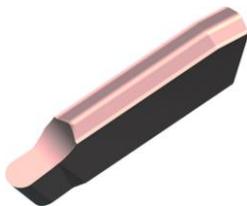
-**SNR** geometry is suitable for operations in large cutting depth and machining of forging with hard surface.

上述槽型与YBG102/YBG105/YBG212 等PVD 涂层结合，广泛用于高温合金和钛合金的精加工、半精加工和粗加工。

The above geometries, combined with YBG102 / YBG105 / YBG212 PVD coating, are widely applied in finishing, semi-finishing and roughing in high temperature alloy and titanium alloy.



圆弧形直头槽刀 Arc straight head slot milling cutter

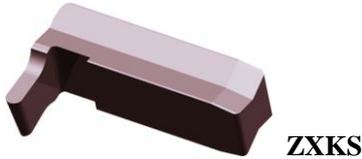


ZSGS

精密磨制，凸V型磨制定位面，定位精确，装夹方便，头部直径公差小，适合用于窄槽及清根加工。

Precision grinding, convex v-shaped grinding locating surface, accurate positioning, convenient clamping, small head diameter tolerance, suitable for narrow slot milling and back chipping

圆弧形 90°槽刀 Arc 90°slot milling cutter



精密异形槽刀，专用于加工可达性差的槽及清根加工，并可根据各种场合定制，满足客户要求。

Precision special grooving milling cutter, dedicated to slot milling with poor accessibility and back chipping. Tailor made options designed to customer's requirements are available.

[高压冷却刀具](#) High pressure cooling tools



通过高压和准确定向，使冷却液在刀片的刀刃与切屑之间构成了一种隔断，有效降低切削区域的切削热，同时使切屑脆性增加，更好地断屑，并快速地将切屑从[刀片](#)表面上清除干净。

With high pressure and accurate positioning, the coolant liquid flows between the edge and chips and separates them, effectively reducing the cutting heat in cutting area, increase chip brittleness for better chip breaking performance, quickly clearing the chips off the insert surface.

优点：延长刀具寿命、提高[切削效率](#)、改善切屑控制和满足户质量要求。

Advantages: improve tool life and [cutting efficiency](#), improve chip control to meet the quality requirements.

<http://www.zcct.com>