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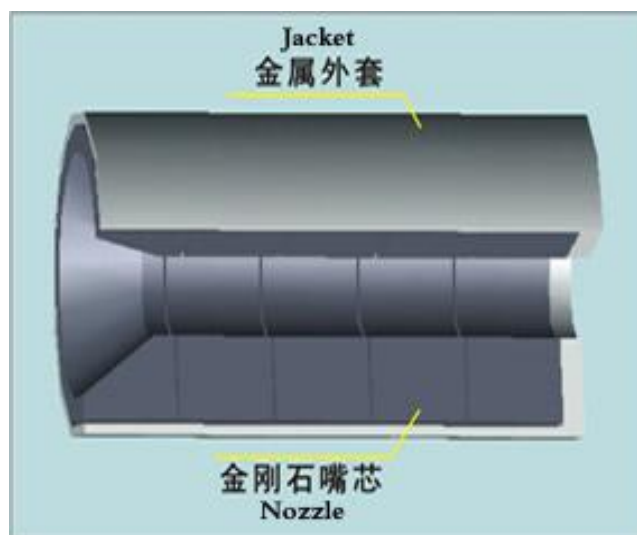
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Synthetic Diamond Nozzle Catalogue

This nozzle is made from polycrystalline diamond which gain unprecedented wear resistance. Its life is 10-20 times longer than boron carbide nozzle, 150-200 times longer than tungsten carbide nozzle.

The nozzle is composed of synthetic polycrystalline diamond liner and jacket. The liner is made through sinter of synthetic diamond powder under the condition of ultrahigh pressure and high temperature (60,000 atmospheric pressure, 1400°C-1500°C).

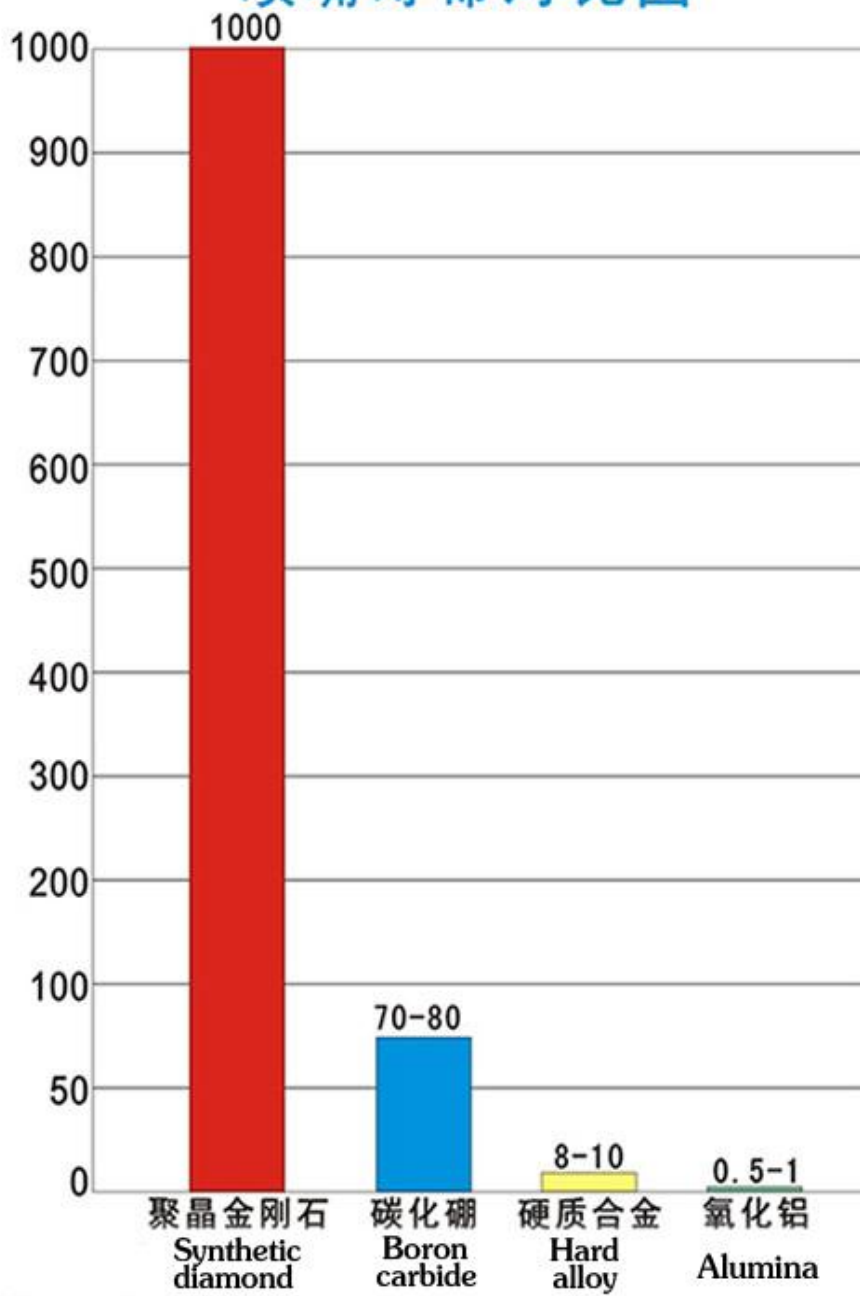
Choose tungsten carbide, boron carbide and synthetic diamond nozzle with inner bore of 6mm and $\phi 20\text{mm} \times 35\text{mm}$ for a comparison, using green silicon carbide with grain size of 24 meshes. Tungsten carbide nozzle may be used for 8-10 shifts; boron carbide nozzle may be used for 70-80 shifts; but synthetic diamond nozzle is more than 1000 shifts.



喷嘴代号 Nozzle number	孔径 (D) Inner diameter	总长度 (L) Length	外径 (D) Outer diameter
BH3504	4mm	35mm	20mm
BH3505	5mm	35mm	20mm
BH3506	6mm	35mm	20mm
BH3508	8mm	35mm	20mm
BH6004	4mm	60mm	20mm
BH6008	8mm	60mm	20mm
BH8004	4mm	80mm	20mm
BH8006	6mm	80mm	20mm

特殊规格可按图纸加工 Customers drawing are welcomed

Sandblast nozzle life comparison
喷嘴寿命对比图



单位：工作班次
Unit: Working shift