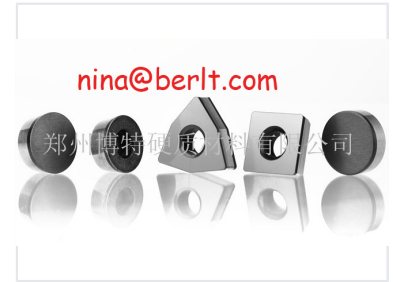


PCBN Composite Insert for Cylinder Machining

PCBN composite inserts are designed for high-performance machining of automobile cylinder components. The composite structure combines a PCBN cutting layer with a carbide substrate, providing optimal cutting performance and tool life.



Product Overview

High-Performance PCBN Composite Insert

This PCBN (Polycrystalline Cubic Boron Nitride) composite insert is engineered specifically for demanding automobile cylinder machining applications. Combining a robust PCBN cutting layer with a durable carbide substrate, it offers exceptional thermal stability and wear resistance. It is optimized for precision finishing operations on challenging materials like boron cast iron, ensuring superior surface quality and dimensional accuracy.

Technical Specifications

Machining Procedure

Finishing

Compatible Workpiece Material

Boron cast iron

Workpiece Hardness

300 HB

Application Details

Processing Applications

- Cylinder liner top circle
- Grooving

Material Composition

Insert Type

CBN Composite Insert