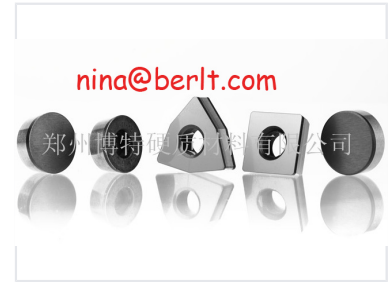


# CBN Composite Insert for Ball Screw Machining

This CBN composite insert is designed for ball screw processing, specifically the top circle. It is suitable for finishing high carbon chromium bearing steel with a hardness of HRC58-62.



## Product Overview

### High-Performance CBN Composite Inserts

These CBN composite inserts are engineered specifically for precision ball screw machining, offering exceptional hardness and thermal stability. Designed for both roughing and finishing operations, the composite structure ensures extended tool life and superior surface finish when cutting hardened steels. By reducing cycle times and improving productivity, these inserts provide a reliable solution for demanding industrial environments in sectors like automotive, heavy machinery, and wind equipment.

## Technical Specifications

### Suitable Industries

- Automotive Parts
- Wind Equipment
- Heavy Machinery
- Oil Drilling
- Geologic Prospecting
- Aerospace/Voyage

### Machining Applications

Slurry Pump Machining • Roller Processing • Brake Drum Machining • Gear Manufacturing • Hardened Steel Cutting

### Material Composition

Cubic Boron Nitride (CBN), Composite Binder

## Performance Features

### Key Performance Metrics

**1 High**

Hardness Level

**1 Superior**

Wear Resistance

**1 Excellent**

Thermal Stability