

T-CBN SERIES

Tungaloy Report No. 510S1-US

New FNGA (45°) and YNGA (25°) inserts for expanded application coverage





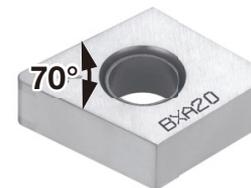
For **high efficiency in finishing** hardened steel, cast iron and sintered metals

■ New CBN inserts for general turning

GNGA insert with 70° corner angle

New FNGA insert with 45° corner angle

- Smaller corner angle provides the insert with greater clearance between the insert flank and workpiece surface, allowing better chip flow and evacuation.
- Enables greater D.O.C. in face turning applications in which the insert is pulled outward (fed away from the workpiece center).



New YNGA insert with 25° corner angle

Allows undercutting, V grooving, and other applications that are not possible with traditional V inserts.



■ High versatility

- Existing ISO turning toolholder can be used for these inserts
 - For GNGA insert: use the holder for CN**43 (CN**1204) insert
 - For FNGA insert: use the holder for DN**43 (DN**1504) insert
 - For YNGA insert: use the holder for VN**33 (VN**1604) insert
- No offsets needed compared to ISO inserts, due to same geometry of cutting edge position
- Double sided insert with 2 cutting edges



