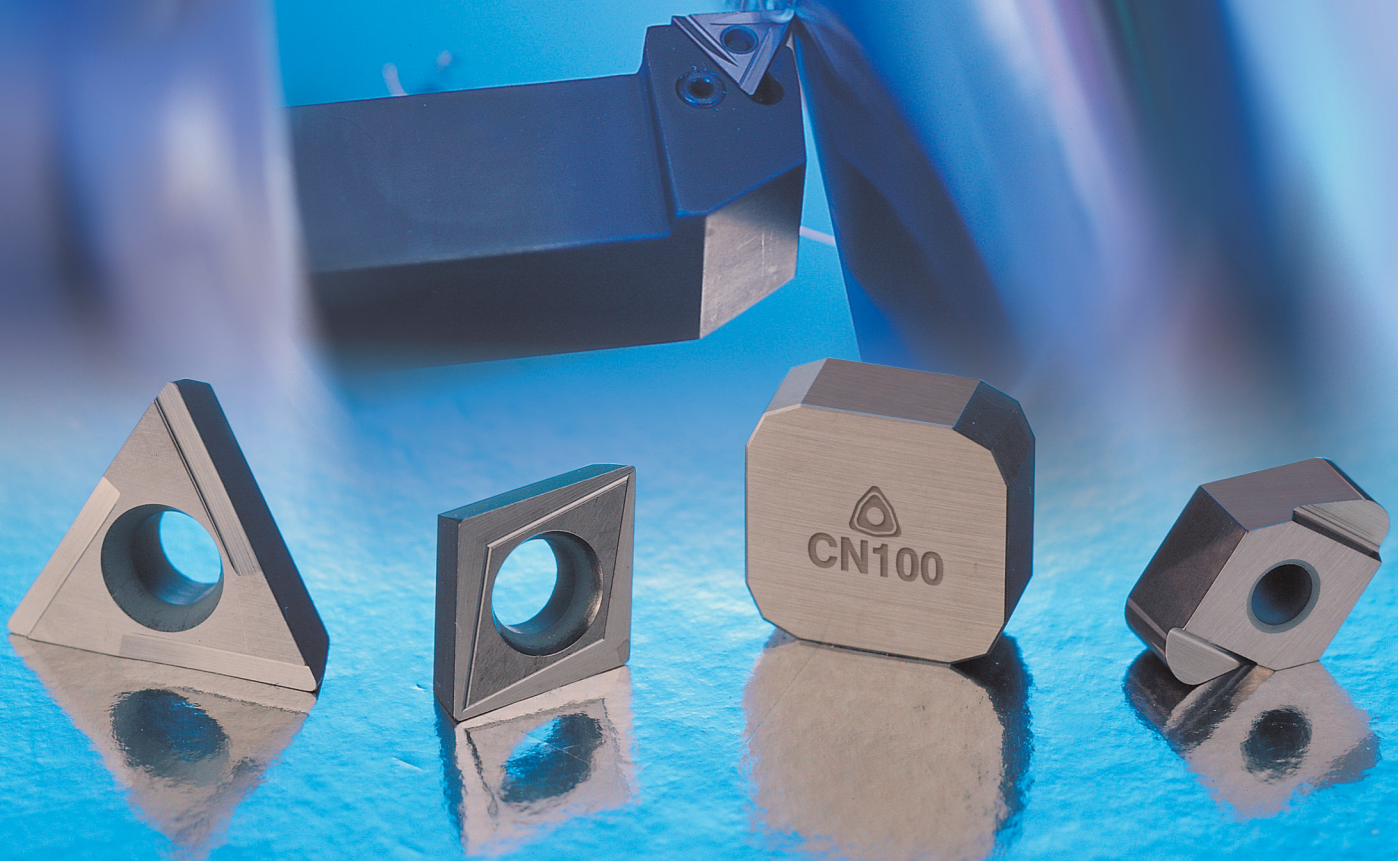


Cermet grade for medium  
and finishing in high cutting speed



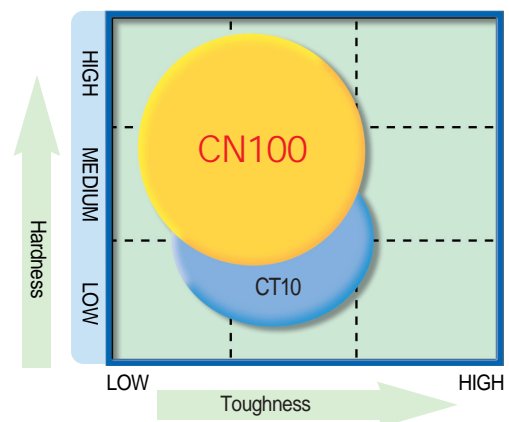
# CN100



## CN100 Features

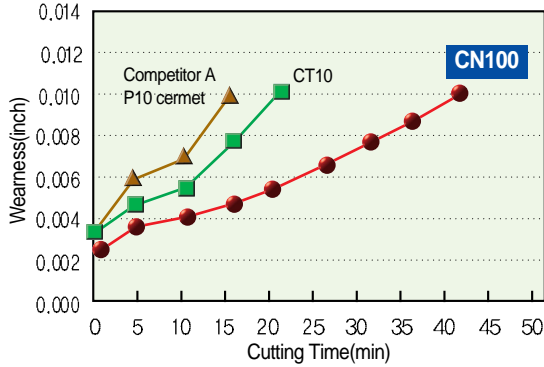
1. High hardness cermet grade combining P05's wear-resistance and P10's toughness.
2. Thanks to the improvement of heat-resistance and wear-resistance, it has a long tool life.
3. High efficient cermet grade in medium and finishing in high cutting speed.

## CN100 Application



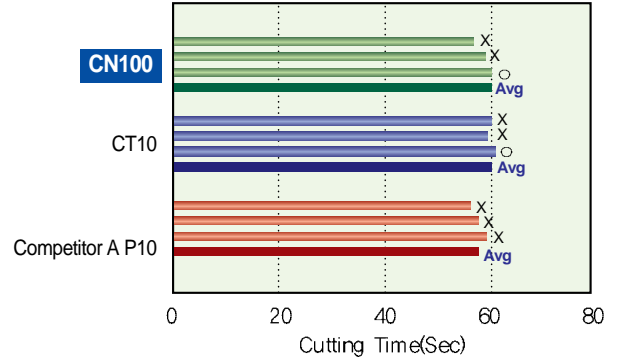
## CN100 Performance

### Wear-resistance



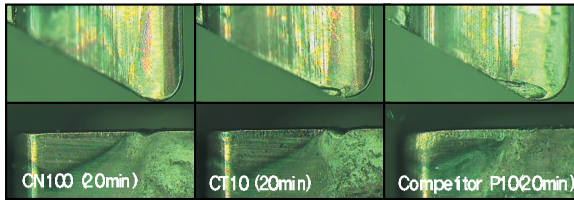
- AISI4140
- TNGG331R
- V=754 sfm, f=0.012 ipr, d=0.059 inch, wet

### Chipping-resistance

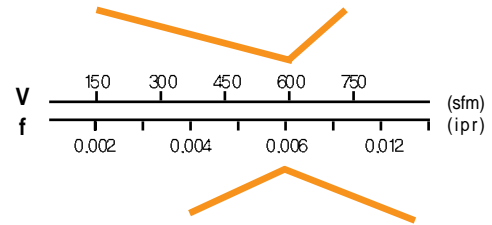


- AISI4140-4 Straight grooves
- TNGG331R
- V=656 sfm, f=0.007 ipr, d=0.039 inch, dry

## CN100 Comparison of Wear with General Cermet Grade



## CN100 Recommended Cutting Condition



## CN100 Application Example

Description	T-E3007C/A	 Crank Shaft 
Work-piece	AISI 100-70-03	
V(sfm)	390-517	
f(ipr)	0.004	
d(inch)	0.0138	
Coolant	Dry	

Description	TNGG331R	 Clutch board 
Work-piece	AISI 5115	
V(sfm)	656	
f(ipr)	0.0039	
d(inch)	0.0039~0.0079	
Coolant	Dry	

## CN100 Stocked Standard Items

CPGT2.51.51  
 CPGT32.51  
 SPGA322T  
 SPGA322T-Z  
 TBGT520.5

TNGA331  
 TNGA332  
 TNGG330.5R  
 TNGG331L  
 TNGG331R  
 TNGG332R  
 TNGG431R  
 TNGG432R

TPGH630.5L  
 TPGH630.5L  
 TPGH221-CO5  
 TPGK731L

TPGT221L  
 TPGT221R  
 TPGT331L  
 TPGT331R

WBG1.210.5L