



SUMITOMO

CARBIDE - CBN - DIAMOND

WX2000



*Whisker-reinforced ceramic grade
for Super Alloy machining*

Super
Alloys



For Super Alloy Turning

WX2000 is a new whisker-reinforced ceramic grade for the machining of super alloys. With finishing to roughing capabilities at high speeds, the WX2000 delivers exceptional productivity.

- **Superior flank wear resistance** at high speeds
- **Exceptional notch wear resistance** over conventional whisker-reinforced ceramics
- **Greater toughness** over conventional whisker-reinforced ceramics



Recommended Running Conditions

Material	HRC < 30			HRC = 45		
	Roughing	Semi-Finish	Finishing	Roughing	Semi-Finish	Finishing
Airesist	1250 - 2500	1250 - 3150	1250 - 3150	675 - 1350	675 - 1680	675 - 1680
Ascoloy	625 - 1250	625 - 1575	625 - 1575	340 - 680	340 - 840	340 - 840
Hastelloy C	1400 - 2800	1400 - 3500	1400 - 3500	750 - 1500	750 - 1890	750 - 1890
Inconel 625	625 - 1250	625 - 1575	625 - 1575	340 - 680	340 - 840	340 - 840
Inconel 713	780 - 1560	780 - 1950	750 - 1950	420 - 840	420 - 1050	420 - 1050
Inconel 718	625 - 1250	625 - 1575	625 - 1575	340 - 680	340 - 840	340 - 840
Inconel 738	940 - 1880	940 - 2350	940 - 2350	500 - 1000	500 - 1260	500 - 1260
Inconel 909	940 - 1880	940 - 2350	940 - 2350	500 - 1000	500 - 1260	500 - 1260
Inconel 925	625 - 1250	625 - 1575	625 - 1575	340 - 680	340 - 840	340 - 840
Mar M247	625 - 1250	625 - 1575	625 - 1575	340 - 680	340 - 840	340 - 840
Udimet 720	625 - 1250	625 - 1575	625 - 1575	340 - 680	340 - 840	340 - 840
Waspaloy	625 - 1250	625 - 1575	625 - 1575	340 - 680	340 - 840	340 - 840
Feed (IPR)	0.004-0.010	0.004-0.012	0.004-0.012	0.004-0.010	0.004-0.012	0.004-0.012
Depth of Cut (in)	0.040-0.100	0.020-0.080	0.020-0.080	0.040-0.100	0.020-0.080	0.020-0.080

WX2000 Availability

CNG432-WX2000
 CNGA432-WX2000
 DNGA432-WX2000
 SNG433-WX2000
 VNGA332-WX2000
 WNGA433-WX2000
 RNG65-WX2000

CNG433-WX2000
 CNGA433-WX2000
 DNGA433-WX2000
 SNGA432-WX2000
 VNGA333-WX2000
 RNG43-WX2000
 RCGX35-WX2000
 RPGX45-WX2000

CNG434-WX2000
 CNGA434-WX2000
 SNG432-WX2000
 SNGA433-WX2000
 WNGA432-WX2000
 RNG45-WX2000
 RPGX35-WX2000