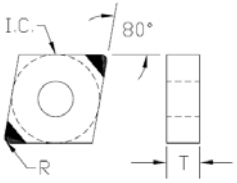
Wolfram Tool

CBN Turning Inserts

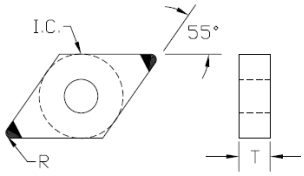
- **Reduce Grinding Investment**
- **Increase Tool Life**
- **Reduce Cost with Faster Cycle Times**
- **Lower Tool Change Down Time Costs**
- **Reduce Scrap Cost**
- **Extend Tool Life In High Production Hard Turn Applications**
- **Increase Thermal and Mechanical Shock Resistance to Handle the Most Demanding Contouring and Interrupted Cuts**

CNGA



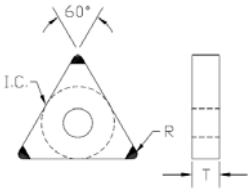
Specifications		Dimensions			CBN Grades							PCD Grades							
ISO	ASA	I.C. Inside circle	R Radius	T Thickness	W1000	W9500	W950	W800	W700	W6000	W5000	WP185	WP190	WP290	WP490	WP1092	WP2594	WP2595	WP4095
2C CNGA 090404	2C CNGA 331	.375	.016	.187															
2C CNGA 090408	2C CNGA 332	375	.032	.187															
2C CNGA 090412	2C CNGA 333	375	.047	.187															
2C CNGA 120404	2C CNGA 431	.500	.016	.187			*			*									
2C CNGA 120408	2C CNGA 432	.500	.032	.187			*			*									
2C CNGA 120412	2C CNGA 433	.500	.047	.187			*			*									
2C CNGA 120412	2C CNGA 434	.500	.062	.187															

DNGA



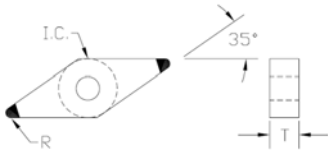
Specifications		Dimensions			CBN Grades							PCD Grades							
ISO	ASA	I.C. Inside circle	R Radius	T Thickness	W1000	W9500	W950	W800	W700	W6000	W5000	WP185	WP190	WP290	WP490	WP1092	WP2594	WP2595	WP4095
2C DNGA 150404	2C DNGA 431	.500	.016	.187			*			*									
2C DNGA 150408	2C DNGA 432	.500	.032	.187			*			*									
2C DNGA 150412	2C DNGA 433	.500	.047	.187															
2C DNGA 150412	2C DNGA 434	.500	.062	.187															

TNGA



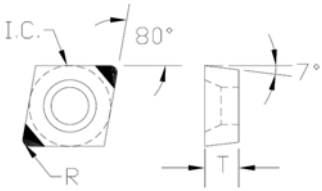
Specifications		Dimensions			CBN Grades							PCD Grades							
ISO	ASA	I.C. Inside circle	R Radius	T Thickness	W1000	W9500	W950	W800	W700	W6000	W5000	WP185	WP190	WP290	WP490	WP1092	WP2594	WP2595	WP4095
3C TNGA 160404	3C TNGA 331	.375	.016	.187			*			*									
3C TNGA 160408	3C TNGA 332	375	.032	.187			*			*									
3C TNGA 160412	3C TNGA 333	375	.047	.187															
3C TNGA 220404	3C TNGA 431	.500	.016	.187															
3C TNGA 220408	3C TNGA 432	.500	.032	.187															
3C TNGA 220412	3C TNGA 433	.500	.047	.187															
3C TNGA 220416	3C TNGA 434	.500	.062	.187															

VNGA



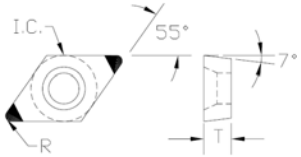
Specifications		Dimensions			CBN Grades							PCD Grades							
ISO	ASA	I.C. Inside circle	R Radius	T Thickness	W1000	W9500	W950	W800	W700	W6000	W5000	WP185	WP190	WP290	WP490	WP1092	WP2594	WP2595	WP4095
2C VNGA 160404	2C VNGA 331	.375	.016	.187			*			*									
2C VNGA 160408	2C VNGA 332	.375	.032	.187			*			*									
2C VNGA 160412	2C VNGA 333	.375	.047	.187															

CCGW



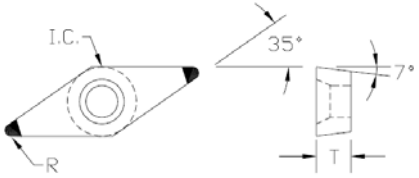
Specifications		Dimensions			CBN Grades							PCD Grades							
ISO	ASA	I.C. Inside circle	R Radius	T Thickness	W1000	W9500	W950	W800	W700	W6000	W5000	WP185	WP190	WP290	WP490	WP1092	WP2594	WP2595	WP4095
2C CCGW 060204	2C CCGW 2151	..250	.016	..094			*			*									
2C CCGW 060208	2C CCGW 2152	..250	.032	..094			*			*									
2C CCGW 09T304	2C CCGW 3251	.375	.016	.156			*			*									
2C CCGW 09T308	2C CCGW 3252	375	.032	.156			*			*									
2C CCGW 09T312	2C CCGW 3253	375	.047	.156															

DCGW



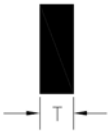
Specifications		Dimensions			CBN Grades							PCD Grades							
ISO	ASA	I.C. Inside circle	R Radius	T Thickness	W1000	W9500	W950	W800	W700	W6000	W5000	WP185	WP190	WP290	WP490	WP1092	WP2594	WP2595	WP4095
2C DCGW 070204	2C DCGW 2151	..250	.016	..094			*			*									
2C DCGW 070208	2C DCGW 2152	..250	.032	..094			*			*									
2C DCGW 11T304	2C DCGW 3251	.375	.016	.156			*			*									
2C DCGW 11T308	2C DCGW 3252	375	.032	.156			*			*									
2C DCGW 11T312	2C DCGW 3253	375	.047	.156															

VCGW



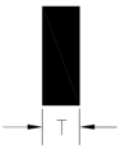
Specifications		Dimensions			CBN Grades							PCD Grades							
ISO	ASA	I.C. Inside circle	R Radius	T Thickness	W1000	W9500	W950	W800	W700	W6000	W5000	WP185	WP190	WP290	WP490	WP1092	WP2594	WP2595	WP4095
2C VCGW 110304	2C VCGW 2151	..250	.016	.125															
2C VCGW 110308	2C VCGW 2152	..250	.032	.125															
2C VCGW 160404	2C VCGW 331	.375	.016	.187			*			*									
2C VCGW 160408	2C VCGW 332	375	.032	.187			*			*									
2C VCGW 160412	2C VCGW 333	375	.047	.187															

RNGN



Specifications		Dimensions			CBN Grades							PCD Grades							
ISO	ASA	I.C. Inside circle	R Radius	T Thickness	W1000	W9500	W950	W800	W700	W6000	W5000	WP185	WP190	WP290	WP490	WP1092	WP2594	WP2595	WP4095
RNGN 090300	RNGN-32	.375	.187	.125	*														
RNGN 090400	RNGN 33	.375	.187	.187															
RNGN 120300	RNGN 42	.500	.250	.125	*														
RNGN 120400	RNGN 43	.500	.250	.187															
RNGN 150400	RNGN 53	375	.312	.187															

SNGN



Specifications		Dimensions			CBN Grades							PCD Grades							
ISO	ASA	I.C. Inside circle	R Radius	T Thickness	W1000	W9500	W950	W800	W700	W6000	W5000	WP185	WP190	WP290	WP490	WP1092	WP2594	WP2595	WP4095
SNGN 090308	SNGN-322	.375	.032	.125															
SNGN 090312	SNGN-323	.375	.047	.125	*														
SNGN 120312	SNGN 423	.375	.047	.125															
SNGN 120412	SNGN 433	.500	.047	.187															
SNGN 120416	SNGN 434	.500	.062	.187															
SNGN 150412	SNGN 533	375	.047	.187															