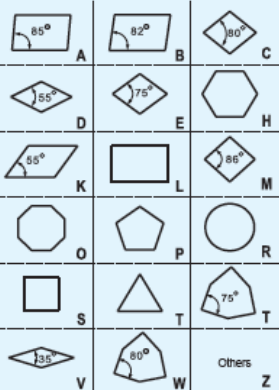
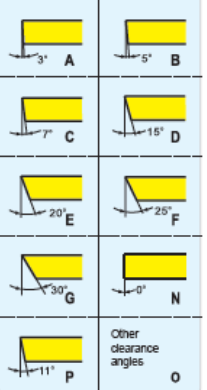
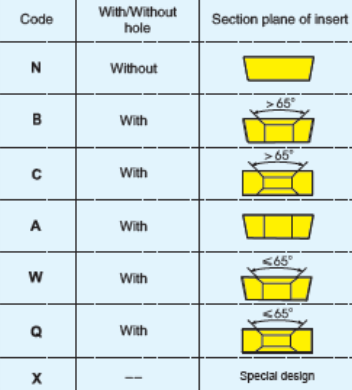
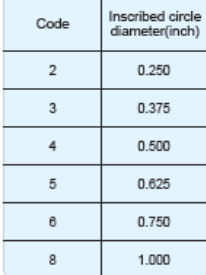
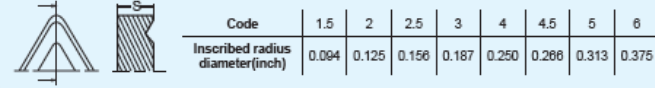
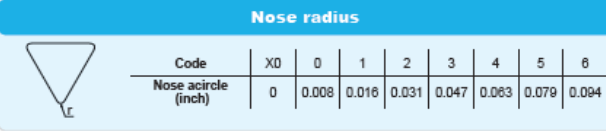


Identification System for PCBN and PCD Turning Inserts

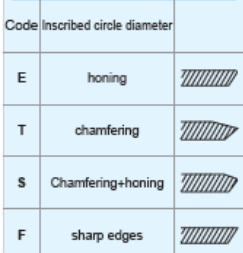
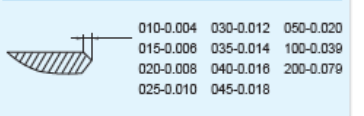
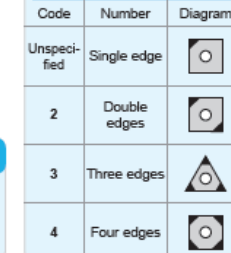
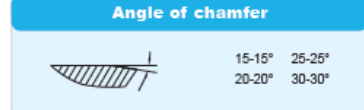
www.carbidemart.com/pcdandpctuin.html

Insert shape	Major cutting edge Clearance angle	Chipbreaker and clamping system	Inscribed circle diameter	Insert thickness
				
				

C N G A

4 3 1 T 020 20 - 2

Tolerances, inch								
Letter Symbol	Tolerances in inches			Inscribed circle diameter	Tolerances for M		Tolerances for d	
	m	s	d		Class M	Class U	Class M.J.K.L	Class U
A	±0.0002	±0.001	±0.0010	0.250	±0.003	±0.005	±0.002	±0.003
F	±0.0002	±0.001	±0.0005	0.375	±0.003	±0.005	±0.002	±0.003
C	±0.0005	±0.001	±0.0010	0.500	±0.006	±0.008	±0.003	±0.006
H	±0.0005	±0.001	±0.0005	0.625	±0.006	±0.011	±0.004	±0.007
E	±0.0010	±0.001	±0.0010	0.750	±0.006	±0.011	±0.004	±0.007
G	±0.0010	±0.005	±0.0010	1.000	±0.007	±0.015	±0.005	±0.010
J	±0.0002	±0.001	±0.0002	Insert shape D				
K	±0.0005	±0.001	±0.0002	Inscribed circle diameter	Tolerances for M		Tolerances for M	
L	±0.0010	±0.001	±0.0002	±0.250	±0.004		±0.002	
M	±0.003	±0.005	±0.002	±0.375	±0.004		±0.002	
N	±0.003	±0.001	±0.002	±0.500	±0.006		±0.003	
U	±0.005	±0.005	±0.003	±0.625	±0.007		±0.004	
	±0.015		±0.010	±0.750	±0.007		±0.004	

Profile of edges	Width of chamfer (inch)	Number of cutting nose
		
		

CNGA433 ISO standard code							
	Grade						
	YCB011	YCB012	YCB121	YCB211	YCB121	YCB221	YCB231
Type of cutting edge	T	S	T	S	S	T	T
Chamfer angle	15°	20°	20°	25°	20°	20°	20°
Chamfer width	0.008	0.004	0.008	0.006	0.004	0.008	0.010