

ART	RBIDE GRADE CHA	TUNGSTEN CA						
BASIC APPLICATIONS	GRAIN SIZE	COMPRESSIVE STRENGTH PSI	TRANSVERSE RUPTURE PSI	"C"	HARDNESS RO "A"	APPROXIMATE BINDER %	BASIC CARBIDE	INDUSTRY CODE
Best Wear Resistant; No shock Developed for compacting ceramics, grinding compounds	Fine	660,000	225,000	80-82	92,0-93,0	3	BC-3	C-3 C-4
Excellent Wear; Slight shock Developed for cutting and abrasion resistance	Fine	700,000	275,000	79-81	91,0-92,0	6	BC-6	C-1 C-2 C-3
Excellent Wear; Slight to Medium shock Developed for light drawing and light blanking	Fine	600,000	350,000	77-79	90-0-91,0	9	BC-9	C-10
Good Wear;Medium shock high edge strenght developed for stamping and lamination dies and punches	Fine	625,000	350,000	74-77	89,0-90,5	11	BC-11	Special
Good Wear; Heavy shock Developed for heavy work conditions. Use for WEDM	Fine and Coarse	540,000	500,000	72-74	88,0-89,0	12	BC-12C	Special
Good Wear; Medium shock Developed for medium work conditions	Fine	600,000	370,000	73-75	88,5-89,5	13	BC-13	C-11
Good Wear; Medium to heavy shock General purpose grade, developed for medium to heavy work conditions	Fine	575,000	385,000	72-74	88,0-89,0	14	BC-14	C-12
Good Wear; High strength Developed for heavy work conditions.	Fine	560,000	400,000	71-73	87,5-88,5	15	BC-15	C-13
Medium Wear; Heavy shock Used in place of C-14 grades, outperformed 20-25% grades in many application	Fine and Coarse	520,000	425,000	70-71	87,0-88,0	15	BC-15C	Special
High Impact; Heavy shock resistance Developed for gold heading and swaging dies	Coarse	530,000	450,000	65-67	84,0-85,0	20	BC-20C	C-14
Highest impact Developed for heavy workload	Extra Coarse	480,000	350,000	60-62	81,5-83,0	22	NC-22C	C-17

SUBMICRON GRADES

Special	BC-6S	6	92,3-93,3	81-82	320,000	725,000	Sub	Excellent Wear; Light shock								
Special	DC-03						Micron	Developed for cutting better wear than C-2 Grades								
Special	BC-10S	10	90,7-92,0	78-80	400,000	630,000	Sub	Excellent Wear; Medium shock								
Special	BC-105				70.00	70-00	70.00	70-00 400,000	70-00	400,000	400,000	400,000	400,000	400,000	400,000	70-00 400,000
Special	BC-14S	14 89,	89,0-90,5	74-77 450,000	5 74-77 450,00	450,000	675,000	Sub	Excellent Wear; Slight to Medium to heavy shock							
Special						74 77	74 77 430,000	74 77 430,000	74 77	,3 / + //	430,000	430,000	450,000	073,000	Micron	Developed specially
Special	BC-17S	17	17 88,0-89,0	72-74	74 440,000	650,000	Sub	Good Wear;								
Special	DC-173		00,0-09,0	72-74			Micron	High edge strength								

NICKEL GRADES nonmagnetic available on request

	C-18 BC-6N	6	90,5-92,0	78-80	275,000	690,000	Fine	Excellent Wear					
	C-16	50,3-52,0 70-80 273,000 090,000 Tille	Tille	Use in corrosive environments-seals									
ſ	Special	Special BC-10N	C-10N 10 89,0	89,0-91,0	90 0 01 0	90 0 01 0	90 0 01 0	90 0 01 0	74-79	300,000	525,000	Extra Fine	Excellent Wear
ı	Special				74-73	300,000	323,000	EXII a FIIIe	Specials seals, corrosive environments				
I	Special	BC-12CN	BC-12CN 12 87,5-89,0	07 5 00 0	39,0 71-74	320,000	400,000 Fine a	400 000	Fine and Coarse	Excellent Wear; Good shock			
L				67,5-69,0				rille allu Coarse	High strength, corrosive environments				