



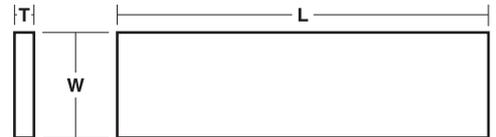
# **Carbide Materials Catalogue**

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Rods, Blanks, Strips and Preforms

## CSTB-CSTBL - Rectangular Strips (Imperial)

• Grade ISO K20 MG (Micro Grain)

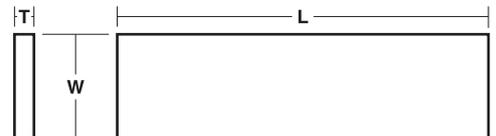


Part No.	Dimensions Inches			Part No.	Dimensions Inches			Part No.	Dimensions Inches		
	T	W	L		T	W	L		T	W	L
CSTB12A K20 MG	1/32	1/16	11/2	CSTB316L K20 MG	3/32	1/2	12	CSTB66L K20 MG	3/16	3/16	12
CSTB13A K20 MG	3/64	3/32	13/16	CSTB320 K20 MG	3/32	5/8	6	CSTB68A K20 MG	3/16	1/4	3
CSTB13 K20 MG	3/64	3/32	1	CSTB320L K20 MG	3/32	5/8	12	CSTB68 K20 MG	3/16	1/4	6
CSTB22 K20 MG	1/16	1/16	6	CSTB324 K20 MG	3/32	3/4	6	CSTB68L K20 MG	3/16	1/4	12
CSTB24A K20 MG	1/16	1/8	1	CSTB332 K20 MG	3/32	1	6	CSTB610A K20 MG	3/16	5/16	3
CSTB24C K20 MG	1/16	1/8	11/4	CSTB336 K20 MG	3/32	1 1/4	6	CSTB610 K20 MG	3/16	5/16	6
CSTB24D K20 MG	1/16	1/8	11/2	CSTB44L K20 MG	1/8	1/8	12	CSTB610L K20 MG	3/16	5/16	12
CSTB24B K20 MG	1/16	1/8	3	CSTB46 K20 MG	1/8	3/16	6	CSTB612A K20 MG	3/16	3/8	3
CSTB24 K20 MG	1/16	1/8	6	CSTB46L K20 MG	1/8	3/16	12	CSTB612 K20 MG	3/16	3/8	6
CSTB26A K20 MG	1/16	3/16	1	CSTB48A K20 MG	1/8	1/4	1	CSTB612L K20 MG	3/16	3/8	12
CSTB26C K20 MG	1/16	3/16	3	CSTB48B K20 MG	1/8	1/4	11/4	CSTB616A K20 MG	3/16	1/2	3
CSTB26 K20 MG	1/16	3/16	6	CSTB48F K20 MG	1/8	1/4	1/12	CSTB616 K20 MG	3/16	1/2	6
CSTB28A K20 MG	1/16	1/4	1	CSTB48C K20 MG	1/8	1/4	2 1/4	CSTB616L K20 MG	3/16	1/2	12
CSTB28B K20 MG	1/16	1/4	11/4	CSTB48D K20 MG	1/8	1/4	3	CSTB620 K20 MG	3/16	5/8	6
CSTB28D K20 MG	1/16	1/4	3	CSTB48E K20 MG	1/8	1/4	6	CSTB620L K20 MG	3/16	5/8	12
CSTB28 K20 MG	1/16	1/4	6	CSTB48L K20 MG	1/8	1/4	12	CSTB624 K20 MG	3/16	3/4	6
CSTB210 K20 MG	1/16	5/16	6	CSTB410A K20 MG	1/8	5/16	11/2	CSTB624L K20 MG	3/16	3/4	12
CSTB212 K20 MG	1/16	3/8	6	CSTB410B K20 MG	1/8	5/16	3	CSTB632 K20 MG	3/16	1	6
CSTB216 K20 MG	1/16	1/2	6	CSTB410 K20 MG	1/8	5/16	6	CSTB632L K20 MG	3/16	1	12
CSTB220 K20 MG	1/16	5/8	6	CSTB412D K20 MG	1/8	3/8	1	CSTB640 K20 MG	3/16	1 1/4	6
CSTB224 K20 MG	1/16	3/4	6	CSTB412A K20 MG	1/8	3/8	2	CSTB640L K20 MG	3/16	1 1/4	12
CSTB232 K20 MG	1/16	1	6	CSTB412B K20 MG	1/8	3/8	3	CSTB88L K20 MG	1/4	1/4	12
CSTB14 K20 MG	5/64	1/8	11/8	CSTB412 K20 MG	1/8	3/8	6	CSTB812 K20 MG	1/4	3/8	6
CSTB34 K20 MG	3/32	1/8	6	CSTB412L K20 MG	1/8	3/8	12	CSTB812L K20 MG	1/4	3/8	12
CSTB34L K20 MG	3/32	1/8	12	CSTB416A K20 MG	1/8	1/2	1	CSTB816C K20 MG	1/4	1/2	2
CSTB36 K20 MG	3/32	3/16	6	CSTB416B K20 MG	1/8	1/2	11/2	CSTB816A K20 MG	1/4	1/2	3
CSTB36A K20 MG	3/32	3/16	11/4	CSTB416C K20 MG	1/8	1/2	3	CSTB816 K20 MG	1/4	1/2	6
CSTB36L K20 MG	3/32	3/16	12	CSTB416 K20 MG	1/8	1/2	6	CSTB816L K20 MG	1/4	1/2	12
CSTB38A K20 MG	3/32	1/4	1	CSTB416L K20 MG	1/8	1/2	12	CSTB820 K20 MG	1/4	5/8	6
CSTB38B K20 MG	3/32	1/4	11/2	CSTB420 K20 MG	1/8	5/8	6	CSTB820L K20 MG	1/4	5/8	12
CSTB38D K20 MG	3/32	1/4	5	CSTB420L K20 MG	1/8	5/8	12	CSTB824 K20 MG	1/4	3/4	6
CSTB38L K20 MG	3/32	1/4	12	CSTB424 K20 MG	1/8	3/4	6	CSTB824L K20 MG	1/4	3/4	12
CSTB310A K20 MG	3/32	5/16	2	CSTB424L K20 MG	1/8	3/4	12	CSTB832L K20 MG	1/4	1	12
CSTB310B K20 MG	3/32	5/16	3	CSTB432 K20 MG	1/8	1	6	CSTB840L K20 MG	1/4	1 1/4	12
CSTB310C K20 MG	3/32	5/16	5	CSTB432L K20 MG	1/8	1	12	CSTB1212L K20 MG	3/8	3/8	12
CSTB310 K20 MG	3/32	5/16	6	CSTB436 K20 MG	1/8	11/8	6	CSTB1216L K20 MG	3/8	1/2	12
CSTB310L K20 MG	3/32	5/16	12	CSTB440 K20 MG	1/8	11/4	6	CSTB1224L K20 MG	3/8	3/4	12
CSTB312 K20 MG	3/32	3/8	6	CSTB448 K20 MG	1/8	11/2	6	CSTB1232L K20 MG	3/8	1	12
CSTB312L K20 MG	3/32	3/8	12	CSTB456 K20 MG	1/8	1 3/4	6	CSTB1616L K20 MG	1/2	1/2	12
CSTB316 K20 MG	3/32	1/2	6	CSTB464 K20 MG	1/8	2	6	CSTB1624L K20 MG	1/2	3/4	12

## METRIC STRIPS

### MSTB - Rectangular Strips

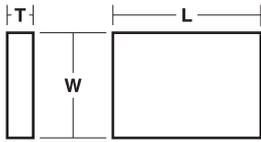
• Grade ISO K20 MG (Micro Grain)



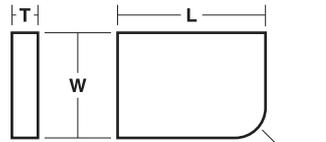
Part No.	Dimensions Millimetres			Part No.	Dimensions Millimetres			Part No.	Dimensions Millimetres		
	T	W	L		T	W	L		T	W	L
MSTB2.14.300 K20 MG	2	14	300	MSTB3.20.300 K20 MG	3	20	300	MSTB5.13.300 K20 MG	5	13	300
MSTB2.16.300 K20 MG	2	16	300	MSTB3.22.300 K20 MG	3	22	300	MSTB5.14.300 K20 MG	5	14	300
MSTB2.18.300 K20 MG	2	18	300	MSTB3.25.300 K20 MG	3	25	300	MSTB5.16.300 K20 MG	5	16	300
MSTB2.20.300 K20 MG	2	20	300	MSTB3.30.300 K20 MG	3	30	300	MSTB5.20.300 K20 MG	5	20	300
MSTB2.5.300 K20 MG	2	5	300	MSTB4.8.300 K20 MG	4	8	300	MSTB5.25.300 K20 MG	5	25	300
MSTB2.6.300 K20 MG	2	6	300	MSTB4.10.300 K20 MG	4	10	300	MSTB5.30.300 K20 MG	5	30	300
MSTB2.8.300 K20 MG	2	8	300	MSTB4.12.300 K20 MG	4	12	300	MSTB5.35.300 K20 MG	5	35	300
MSTB2.10.300 K20 MG	2	10	300	MSTB4.14.300 K20 MG	4	14	300	MSTB5.40.300 K20 MG	5	40	300
MSTB2.12.300 K20 MG	2	12	300	MSTB4.16.300 K20 MG	4	16	300	MSTB6.16.300 K20 MG	6	16	300
MSTB2.13.300 K20 MG	2	13	300	MSTB4.18.300 K20 MG	4	18	300	MSTB6.20.300 K20 MG	6	20	300
MSTB3.5.300 K20 MG	3	5	300	MSTB4.20.300 K20 MG	4	20	300	MSTB6.25.300 K20 MG	6	25	300
MSTB3.6.300 K20 MG	3	6	300	MSTB4.22.300 K20 MG	4	22	300	MSTB6.30.300 K20 MG	6	30	300
MSTB3.8.300 K20 MG	3	8	300	MSTB4.25.300 K20 MG	4	25	300	MSTB6.35.300 K20 MG	6	35	300
MSTB3.10.300 K20 MG	3	10	300	MSTB4.30.300 K20 MG	4	30	300	MSTB7.12.7.300 K20 MG	7	12.7	300
MSTB3.12.300 K20 MG	3	12	300	MSTB4.35.300 K20 MG	4	35	300	MSTB8.8.300 K20 MG	8	8	300
MSTB3.14.300 K20 MG	3	14	300	MSTB4.40.300 K20 MG	4	40	300	MSTB8.30.300 K20 MG	8	30	300
MSTB3.16.300 K20 MG	3	16	300	MSTB5.8.300 K20 MG	5	8	300				
MSTB3.18.300 K20 MG	3	18	300	MSTB5.10.300 K20 MG	5	10	300				

## C1000, C2000 – Standard Blanks

- Grade ISO K20 MG (Micro Grain)



Style 1000



Style 2000

Part No.		Dimensions Inches			
Style 1000	Style 2000	T	W	L	R
C1010 K20	C2010 K20	1/16	1/8	5/8	1/8
C1020 K20	C2020 K20	1/16	3/16	1/4	1/8
C1030 K20	C2030 K20	1/16	1/4	5/16	1/8
C1040 K20	C2040 K20	3/32	3/16	5/16	1/8
C1050 K20	C2050 K20	3/32	3/16	1/2	1/8
C1060 K20	C2060 K20	3/32	1/4	3/8	1/8
C1070 K20	C2070 K20	3/32	1/4	1/2	1/8
C1080 K20	C2080 K20	3/32	5/16	3/8	3/16
C1090 K20	C2090 K20	3/32	3/8	3/8	3/16
C1100 K20	C2100 K20	3/32	3/8	1/2	3/16
C1105 K20	C2105 K20	3/32	7/16	1/2	1/4
C1110 K20	C2110 K20	1/8	3/16	3/4	1/8
C1120 K20	C2120 K20	1/8	1/4	1/2	1/8
C1130 K20	C2130 K20	1/8	1/4	5/8	1/8
C1140 K20	C2140 K20	1/8	1/4	3/4	1/8
C1150 K20	C2150 K20	1/8	5/16	7/16	3/16
C1160 K20	C2160 K20	1/8	5/16	1/2	3/16
C1170 K20	C2170 K20	1/8	5/16	5/8	3/16
C1180 K20	C2180 K20	1/8	3/8	1/2	3/16
C1190 K20	C2190 K20	1/8	3/8	3/4	3/16
C1200 K20	C2200 K20	1/8	1/2	1/2	1/4
C1210 K20	C2210 K20	1/8	1/2	3/4	1/4
C1215 K20	C2215 K20	1/8	3/4	3/4	1/4
C1220 K20	C2220 K20	5/32	3/8	9/16	3/16
C1230 K20	C2230 K20	5/32	3/8	3/4	3/16
C1240 K20	C2240 K20	5/32	5/8	5/8	1/4
C1250 K20	C2250 K20	3/16	5/16	7/16	3/16
C1260 K20	C2260 K20	3/16	5/16	5/8	3/16
C1270 K20	C2270 K20	3/16	3/8	1/2	3/16
C1280 K20		3/16	3/8	5/8	3/16
C1290 K20	C2290 K20	3/16	3/8	3/4	3/16
C1300 K20	C2300 K20	3/16	7/16	5/8	1/4
C1310 K20	C2310 K20	3/16	7/16	13/16	1/4
C1320 K20		3/16	1/2	1/2	1/4
C1330 K20	C2330 K20	3/16	1/2	3/4	1/4
C1340 K20		3/16	3/4	3/4	1/4

Part No.	Dimensions Inches		
Style 1000	T	W	L
C1350 K20	1/4	3/8	9/16
C1360 K20	1/4	3/8	3/4
C1370 K20	1/4	7/16	5/8
C1380 K20	1/4	1/2	3/4
C1390 K20	1/4	9/16	1
C1400 K20	1/4	5/8	5/8
C1405 K20	1/4	3/4	3/4
C1410 K20	1/4	3/4	1
C1420 K20	5/16	7/16	5/8
C1430 K20	5/16	7/16	15/16
C1440 K20	5/16	1/2	3/4
C1450 K20	5/16	1/2	1
C1460 K20	5/16	5/8	1
C1470 K20	5/16	3/4	3/4
C1475 K20	5/16	3/4	1
C1480 K20	5/16	3/4	11/4
C1490 K20	3/8	1/2	3/4
C1500 K20	3/8	1/2	1
C1510 K20	3/8	5/8	1
C1520 K20	3/8	3/4	11/4
C1525 K20	3/8	3/4	11/2
C1530 K20	1/2	3/4	1
C1540 K20	1/2	3/4	11/4
C1550 K20	1/2	3/4	11/2

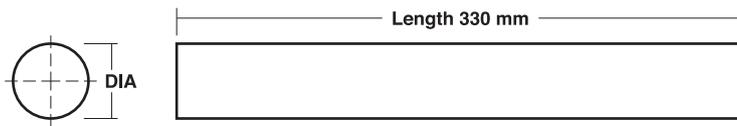
### Standard Tolerances:

- Up to 3/8" + 0.015 - 0.000
- Over 3/8" to 1" + 0.020 - 0.000
- Over 1" up to 2" + 0.040 - 0.000

Grades not stocked can be ordered as specials.

## CRR, CRRG – 330mm Lengths

- Grade ISO-K20 SMG (Micro Grain)



### CRRG Rods

- Ground h6
- Diameter tolerance +0 -.013
- Polished Ra 0.2

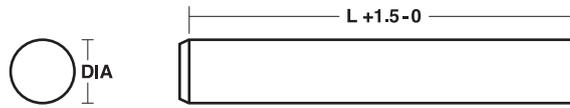
Part No.	CRR Unground Rod	
	Diameter Inches	Diameter Millimetres
CRR4 K20 SMG	1/16	1.59
CRR5 K20 SMG	5/64	1.98
CRR6 K20 SMG	3/32	2.38
CRR7 K20 SMG	7/64	2.78
CRR8 K20 SMG	1/8	3.18
CRR9 K20 SMG	9/64	3.57
CRR10 K20 SMG	5/32	3.97
CRR11 K20 SMG	11/64	4.37
CRR12 K20 SMG	3/16	4.76
CRR12 1/2 K20 SMG	0.196	4.98
CRR13 K20 SMG	13/64	5.16
CRR14 K20 SMG	7/32	5.56
CRR15 K20 SMG	15/64	5.95
CRR16 K20 SMG	1/4	6.35
CRR17 K20 SMG	17/64	6.75
CRR18 K20 SMG	9/32	7.14
CRR19 K20 SMG	19/64	7.54
CRR20 K20 SMG	5/16	7.94
CRR21 K20 SMG	21/64	8.33
CRR22 K20 SMG	11/32	8.73
CRR23 K20 SMG	23/64	9.13
CRR24 K20 SMG	3/8	9.53
CRR25 K20 SMG	25/64	9.92
CRR26 K20 SMG	13/32	10.32
CRR27 K20 SMG	27/64	10.72
CRR28 K20 SMG	7/16	11.11
CRR29 K20 SMG	29/64	11.51
CRR30 K20 SMG	15/32	11.91
CRR31 K20 SMG	31/64	12.30
CRR32 K20 SMG	1/2	12.70
CRR34 K20 SMG	17/32	13.50
CRR36 K20 SMG	9/16	14.29
CRR40 K20 SMG	5/8	15.88
CRR44 K20 SMG	11/16	17.46
CRR48 K20 SMG	3/4	19.05
CRR52 K20 SMG	13/16	20.64
CRR56 K20 SMG	7/8	22.23
CRR60 K20 SMG	15/16	23.81
CRR64 K20 SMG	1	25.40
CRR30MM K20 SMG	1.181	30.00
CRR80 K20 SMG	1 1/4	31.75
CRR96 K20 SMG	1 1/2	38.10

Part No.	CRRG Ground Rod	
	Diameter Inches	Diameter Millimetres
CRRG2 K20 SMG	1/32	-
CRRG3 K20 SMG	3/64	-
CRRG4 K20 SMG	1/16	-
CRRG5 K20 SMG	5/64	-
CRRG2MM K20 SMG	-	2.0
CRRG6 K20 SMG	3/32	-
CRRG7 K20 SMG	7/64	-
CRRG3MM K20 SMG	-	3.0
CRRG8 K20 SMG	1/8	-
CRRG9 K20 SMG	9/64	-
CRRG10 K20 SMG	5/32	-
CRRG4MM K20 SMG	-	4.0
CRRG11 K20 SMG	11/64	-
CRRG12 K20 SMG	3/16	-
CRRG5MM K20 SMG	-	5.0
CRRG13 K20 SMG	13/64	-
CRRG14 K20 SMG	7/32	-
CRRG15 K20 SMG	15/64	-
CRRG6MM K20 SMG	-	6.0
CRRG16 K20 SMG	1/4	-
CRRG17 K20 SMG	17/64	-
CRRG7MM K20 SMG	-	7.0
CRRG18 K20 SMG	9/32	-
CRRG19 K20 SMG	19/64	-
CRRG20 K20 SMG	5/16	-
CRRG8MM K20 SMG	-	8.0
CRRG21 K20 SMG	21/64	-
CRRG22 K20 SMG	11/32	-
CRRG9MM K20 SMG	-	9.0
CRRG23 K20 SMG	23/64	-
CRRG24 K20 SMG	3/8	-
CRRG10MM K20 SMG	-	10.0
CRRG26 K20 SMG	13/32	-
CRRG11MM K20 SMG	-	11.0
CRRG28 K20 SMG	7/16	-
CRRG30 K20 SMG	15/32	-
CRRG12MM K20 SMG	-	12.0
CRRG32 K20 SMG	1/2	-
CRRG13MM K20 SMG	-	13.0
CRRG14MM K20 SMG	-	14.0
CRRG36 K20 SMG	9/16	-
CRRG15MM K20 SMG	-	15.0
CRRG40 K20 SMG	5/8	-
CRRG16MM K20 SMG	-	16.0
CRRG17MM K20 SMG	-	17.0
CRRG44 K20 SMG	11/16	-
CRRG48 K20 SMG	3/4	-
CRRG20MM K20 SMG	-	20.0
CRRG25MM K20 SMG	-	25.0
CRRG64 K20 SMG	1	-
CRRG30MM K20 SMG	-	30.0
CRRG80 K20 SMG	1 1/4	-

Both Ground and Unground Rods can be cut to length – price on application.

## CC - Solid Carbide Cylinders

- Grade ISO-K20 SMG (Micro Grain)
- Ground h6
- Diameter tolerance =+0 - .013
- Polished Ra 0.2
- Chamfered one end 0.2 to 0.5mm long



Part No.	Imperial	
	Diameter Inches	Length Inches
CC1/8X11/2 K20 SMG	1/8	11/2
CC5/32X2 K20 SMG	5/32	2
CC3/16X2 K20 SMG	5/32	2
CC3/16X21/2 K20 SMG	3/16	2 1/2
CC1/4X11/2 K20 SMG	1/4	11/2
CC1/4X2 K20 SMG	1/4	2
CC1/4X21/4 K20 SMG	1/4	2 1/4
* CC1/4X21/2 K20 SMG	1/4	2 1/2
CC1/4X3 K20 SMG	1/4	3
CC1/4X4 K20 SMG	1/4	4
CC5/16X21/2 K20 SMG	5/16	2 1/2
CC5/16X3 K20 SMG	5/16	3
CC3/8X21/2 K20 SMG	3/8	2 1/2
* CC3/8X3 K20 SMG	3/8	3
CC3/8X4 K20 SMG	3/8	4
CC7/16X23/4 K20 SMG	7/16	2 3/4
* CC1/2X3 K20 SMG	1/2	3
* CC1/2X35/8 K20 SMG	1/2	3 5/8
CC1/2X4 K20 SMG	1/2	4
CC1/2X41/2 K20 SMG	1/2	4 1/2
CC1/2X6 K20 SMG	1/2	6
CC5/8X31/2 K20 SMG	5/8	3 1/2
CC3/4X4 K20 SMG	3/4	4
CC1X4 K20 SMG	1	4

Part No.	Metric	
	Diameter Inches	Length Inches
CC3MMX38MM K20 SMG	3	38
CC4MMX51MM K20 SMG	4	51
CC5MMX51MM K20 SMG	5	51
CC6MMX51MM K20 SMG	6	51
CC6MMX63MM K20 SMG	6	63
CC7MMX63MM K20 SMG	7	63
* CC8MMX63MM K20 SMG	8	63
CC8MMX69MM K20 SMG	8	69
CC9MMX72MM K20 SMG	9	72
* CC10MMX75MM K20 SMG	10	75
CC11MMX83MM K20 SMG	11	83
CC12MMX75MM K20 SMG	12	75
* CC12MMX83MM K20 SMG	12	83
CC13MMX83MM K20 SMG	13	83
CC14MMX89MM K20 SMG	14	89
CC15MMX92MM K20 SMG	15	92
* CC16MMX92MM K20 SMG	16	92
CC18MMX92MM K20 SMG	18	92
* CC20MMX104MM K20 SMG	20	104
CC25MMX121MM K20 SMG	25	121

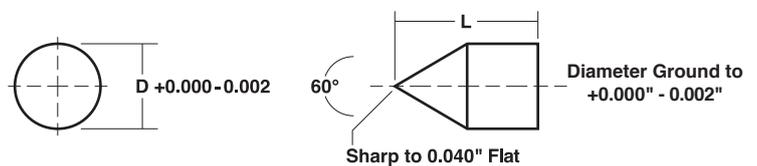
Items marked \* are also available in grade ISO K10 SMG (Micro Grain).  
**Grades not stocked can be ordered as specials.**

Dee Bit (Single or Double Ended Ground) - price on application.

## SOLID CENTRE BLANKS

### CT - Solid Center Blanks

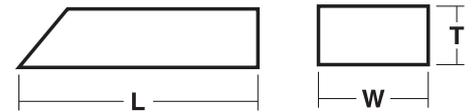
- Grade ISO-K20



Part No.	Dimensions			
	Inches		Millimetres	
	D	L	D	L
CT40 K30	1/4	7/16	6.35	11.11
CT50 K30	5/16	9/16	7.92	14.29
CT60 K30	3/8	11/16	9.53	17.46
CT80 K30	1/2	7/8	12.70	22.23
CT100 K30	5/8	11/16	15.88	26.99
CT120 K30	3/4	1 1/4	19.05	31.75
CT140 K30	7/8	1 3/8	22.23	34.93
CT160 K30	1	1 1/2	25.40	38.10
CT180 K30	1 1/8	1 1/2	28.58	38.10
CT200 K30	1 1/4	1 3/4	31.75	44.45

## CW – Saw Tips (USA Style)

Part No.	Dimensions					
	Width W		Length L		Thickness T	
	Inches	mm	Inches	mm	Inches	mm
CWA7080-WA2	0.080	2.03	1/4 (0.250)	6.35	0.062	1.57
CWA7125-WA2	0.125	3.18	1/4 (0.250)	6.35	0.062	1.57
CWB7085-WA2	0.085	2.16	9/32 (0.281)	7.14	0.078	1.98
CWB7105-WA2	0.105	2.67	9/32 (0.281)	7.14	0.078	1.98
CWB7120-WA2	0.120	3.05	9/32 (0.281)	7.14	0.078	1.98
CWB7130-WA2	0.135	3.43	9/32 (0.281)	7.14	0.078	1.98
CWB7150-WA2	0.150	3.81	9/32 (0.281)	7.14	0.078	1.98
CWB7165-WA2	0.165	4.19	9/32 (0.281)	7.14	0.078	1.98
CWB7180-WA2	0.180	4.57	9/32 (0.281)	7.14	0.078	1.98
CWB7195-WA2	0.195	4.95	9/32 (0.281)	7.14	0.078	1.98
CWB7215-WA2	0.215	5.46	9/32 (0.281)	7.14	0.078	1.98
CWB7220-WA2	0.220	5.59	9/32 (0.281)	7.14	0.078	1.98
CWB7230-WA2	0.230	5.84	9/32 (0.281)	7.14	0.078	1.98
CWB7250-WA2	0.250	6.35	9/32 (0.281)	7.14	0.078	1.98
CWC7100-WA2	0.100	2.54	9/32 (0.281)	7.14	0.093	2.36
CWD7135-WA2	0.135	3.43	5/16 (0.312)	7.94	0.093	2.36
CWD7150-WA2	0.150	3.81	5/16 (0.312)	7.94	0.093	2.36
CWD7165-WA2	0.165	4.19	5/16 (0.312)	7.94	0.093	2.36
CWD7185-WA2	0.185	4.70	5/16 (0.312)	7.94	0.093	2.36
CWD7215-WA2	0.215	5.46	5/16 (0.312)	7.94	0.093	2.36
CWD7230-WA2	0.230	5.84	5/16 (0.312)	7.94	0.093	2.36
CWE7150-WA2	0.150	3.81	3/8 (0.375)	9.53	0.093	2.36
CWE7165-WA2	0.165	4.19	3/8 (0.375)	9.53	0.093	2.36
CWE7185-WA2	0.185	4.57	3/8 (0.375)	9.53	0.093	2.36
CWE7200-WA2	0.200	5.08	3/8 (0.375)	9.53	0.093	2.36
CWE7225-WA2	0.225	5.71	3/8 (0.375)	9.53	0.093	2.36
CWE7250-WA2	0.250	6.35	3/8 (0.375)	9.53	0.093	2.36
CWE7281-WA2	0.281	7.14	3/8 (0.375)	9.53	0.093	2.36
CWE7350-WA2	0.350	8.89	3/8 (0.375)	9.53	0.093	2.36
CWG7150-WA2	0.150	3.81	3/8 (0.375)	9.53	0.125	3.18
CWG7165-WA2	0.165	4.19	3/8 (0.375)	9.53	0.125	3.18
CWG7180-WA2	0.180	4.57	3/8 (0.375)	9.53	0.125	3.18
CWG7195-WA2	0.195	4.95	3/8 (0.375)	9.53	0.125	3.18
CWG7230-WA2	0.230	5.84	3/8 (0.375)	9.53	0.125	3.18
CWG7250-WA2	0.250	6.35	3/8 (0.375)	9.53	0.125	3.18



Larger sizes are also available if required.

## CW – Saw Tips (European Style)

Part No.	Dimensions					
	Width W		Length L		Thickness T	
	Inches	mm	Inches	mm	Inches	mm
CWBC7105-WA2	0.105	2.67	9/32 (0.281)	7.14	0.078	1.98
CWBC7120-WA2	0.120	3.05	9/32 (0.281)	7.14	0.078	1.98
CWBC7150-WA2	0.150	3.81	9/32 (0.281)	7.14	0.078	1.98
CWDC7150-WA2	0.150	3.81	5/16 (0.312)	7.92	0.093	2.36
CWDC7185-WA2	0.185	4.70	5/16 (0.312)	7.92	0.093	2.36
CWDC7215-WA2	0.215	5.46	5/16 (0.312)	7.92	0.093	2.36
CWDC7230-WA2	0.230	5.84	5/16 (0.312)	7.92	0.093	2.36
CWSC7150-WA2	0.150	3.81	3/8 (0.375)	9.53	0.125	3.18
CWSC7165-WA2	0.165	4.06	3/8 (0.375)	9.53	0.125	3.18
CWSC7180-WA2	0.180	4.57	3/8 (0.375)	9.53	0.125	3.18
CWGC7150-WA2	0.150	3.81	1/2 (0.500)	12.70	0.125	3.18
CWGC7165-WA2	0.165	4.06	1/2 (0.500)	12.70	0.125	3.18
CWGC7180-WA2	0.180	4.57	1/2 (0.500)	12.70	0.125	3.18
CWGC7200-WA2	0.200	5.08	1/2 (0.500)	12.70	0.125	3.18
CWGC7230-WA2	0.230	5.59	1/2 (0.500)	12.70	0.125	3.18
CWGC7270-WA2	0.270	6.60	1/2 (0.500)	12.70	0.125	3.18



Larger sizes are also available if required.

## ICT – Copper Tungsten Electrodes

- Composition – 70% tungsten, 30% copper
- Used for:
  - 1) Light duty projection welding dies where weld pressures are medium to light
  - 2) Spark erosion electrodes

Part No.	Round 8" Lengths Dimensions	
	Inches	mm
ICT1/8	1/8	3.18
ICT3/16	3/16	4.76
ICT1/4	1/4	6.35
ICT5/16	5/16	7.94
ICT3/8	3/8	9.53
ICT1/2	1/2	12.70
ICT5/8	5/8	15.88
ICT3/4	3/4	19.05
ICT1	1	25.40

Part No.	Rectangular 8" Lengths Dimensions – Inches	
	Thickness	Width
ICT3/8X1	3/8	1
ICT3/8X4	3/8	4
ICT1/2X2	1/2	2
ICT1/2X4	1/2	4
ICT5/8X4	5/8	4

Other grades are available on request.

Other sizes available subject to quotation:

- Rounds available up to 4" diameter
- Squares available up to 2" A.F.
- Rectangular bars
- Special shapes

## GRADE PROPERTIES

Grade	Cobalt Percentage	Physical Properties			General
		Hardness (Ra)	TRS (Psi x 1000)	S Classification ISO Code	Description (General Classification)
K20	6	91.9	380	C2 / M10-20 K10-30	General purpose grade frequently used for solid or brazed round tools and wear parts
K20 MG MICRO GRAIN	10	92	435	C10 / M30-40 K20-30	Micro-grain grade, which will withstand medium to heavy shock. Generally used in rotary tools and form tools. Has good abrasion resistance and edge holding qualities.
K10 SMG MICRO GRAIN	6	93	340	C3, 4, 9 / M10-20 K10-20	Micro-grain grade, with outstanding abrasion resistance and high strength. Excellent for drills, reamers, form tools and saws.



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