

Agescan International Inc. has supplied the top quality tungsten carbide rod, blanks, and preforms for more than a decade. Our products have used for cutting tools and other applications including automotive, oil and gas, paper, medical, woodworking and injection moldings. With high quality materials and high-tech production techniques, we guarantee you to save your time and cost while increase productivity to boost your business in the market places.

<b>CARBIDE GRADE CHART</b>				
<b>Grade</b>	KX10	KX20	KT30	KX6
<b>Co (%)</b>	10.2	11.8	11.5	6
<b>WC incl. Doping (%)</b>	89.8	88.2	88.5	94
<b>Density [g/cm<sup>3</sup>]</b>	14.42	14.1	14.05	14.9
<b>HRA</b>	91.9	92.5	92.3	91
<b>TRS [MPa]</b>	4200	4200	4000	3000
<b>Porosity</b>	A02B00C00E00	A02B00C00E00	A02B00C00E00	A02B00C00E00
<b>WC grain size [µm]</b>	0.7	0.6	0.5	1
Note: The values of properties are typical values.				

## TUNGSTEN CARBIDE ROD SPECIFICATION

<b>CARBIDE CEMENTED CARBID ROD DIMENTSIONAL TABLE</b>								
	Min. Dia.	Tol. of Min. Dia.	Max. Dia.	Tol. of Max. Dia.	Duct Dia.	Tol of Duct. Dia.	Tol. of Con.	Duct Dis.
Solid Carbide Rod	1	0.25	40	0.3				
Rod with Single central coolant duct	4.5	0.3	32.3	0.5	0.6-5.0	±0.1-±0.35	0.15-0.50	
Rod with 2 straight coolant duct	4.2	0.3	34.4	0.5	0.8-3.0	±0.1-±0.25		1.8-14.0
Rods with 2 x 30 ° helix duct	3.3	0.3	35.3	0.5	0.4-3.0	±0.1-±0.30		1.7-18.0
Note: Length all in 310mm or 330 mm								

**MOLD PRESSED ROD BLANK DIMENSIONS**

Diameter (mm)	Tol. Of Diameter	Length (Grinded)
3.25	+0.00 ~ +0.05	38.7
3	+0.30 ~ +0.50	50
4	+0.30 ~ +0.50	50
5	+0.30 ~ +0.50	60
6	+0.30 ~ +0.50	60
8	+0.30 ~ +0.60	100
10	+0.30 ~ +0.60	100
12	+0.30 ~ +0.60	100
13	+0.30 ~ +0.70	100
14	+0.30 ~ +0.70	100
16	+0.30 ~ +0.70	100
20	+0.30 ~ +0.80	100

Note: other length can always be as per customer's requirements

**TUNGSTEN CARBIDE STRIP BLANK DIMENSIONS**

Dimensions (Tx Wx L)	Tol. Of thickness	Tol. Of Width	Tol. Of Length
1.0X(2.0 ~ 5.0)XL	T≤7.0, +0.2 ~ +0.5	W≤30.0, +0.2 ~ +0.6	L < 100, +0.0 ~ +1.0
1.5X(2.0 ~ 10.0)XL			200 > L≥100, +0.0 ~ +2.0
2.0X(3.5 ~ 15.0)XL	T > 7.0, +0.2 ~ +0.6	W > 7.0, +0.2 ~ +0.8	L≥200, +0.0 ~ +5.0
3.0X(3.0 ~ 20.0)XL			
3.5X(3.5 ~ 25.0)XL			
4.0X(4.0 ~ 30.0)XL			
5.0X(4.0 ~ 40.0)XL			
6.0X(5.0 ~ 40.0)XL			
(7.0 ~ 20.0)X(7.0 ~ 40)XL			

*We look forward to serving your today's and future requirements with precision and cost effectively with on time delivery to support your production requirements.*

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