



ZHUZHOU RETOP CARBIDE CO.,LTD

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Grade	Equal to ISO Category Number	chemical composition	Performance			Application Recommended
			Density	Bend Strength	Hardness	
			G/Cm3	N/mm2	HRA	
YG6X	K10	6% cobalt, 94% wc	14.8-15.1	2500	91	Qualified for machining of chilled cast iron, alloy cast iron, refractory steel and alloy steel. Also Qualified for the machining
YG6	K20	6% cobalt, 94% wc	14.7-15.1	2600	89.5-90	Qualified for finish machining and semi-finish machining for the cast iron, non-ferrous metal, alloy and unalloyed materials. Also qualified for wire drawing for the steel and non-ferrous metal, electric drill for geology use and steel drill etc.
YG8	K20-K30	8% cobalt, 92% wc	14.6-14.9	2700	89	Qualified for rough machining of cast iron, non-ferrous metal, nonmetal materials, drawing of steel, non-ferrous metal and pipes, various drills for geology use, tools for machine manufacture and wearing parts.
YG8X	K20	8% cobalt, 92% wc	14.6-14.9	2600	90	For normal stress stretch forming dies and inlay parts
YG11C	K40	11% cobalt, 89% wc	14.4	2260	87.5	Qualified for molding the drills for heavy-duty rock drill:detachable bits used for deep hole drilling,rock drill trolley ect.
YG15	K40	15% cobalt, 85% wc	14.1	2400	86.5	Qualified for hard rock drilling,steel bars with high compression ratios,pipe drawing,punching tools,core cabinet of powder metallurgy automatic molders ect.
YG20		20% cobalt, 80% wc	14.6	2480	83.5	Qualified for marking dies with low impact such as punching watch parts,battery shells,small screw caps ect.
YS2T	K30-M30	9.8% cobalt, 89% wc,0.2% others	14.45	2800	92.5	Qualified for low speed rough machining,milling titanium alloy and refractory alloy,especially for cut-off tool and silk prick..
YL10.2	K30-M30	10% cobalt, 90% wc	14.5	3400	91.5	
YN9		9% nickel, 91% wc	14.3-14.6	2300	89	For non-conduct magnetic alloys applied for sealing ring and wear-resistance parts
YN11		11% nickel, 89% wc	14.3-14.6	2600	88	For round magnetic field forming dies.
YN13		13% nickel, 87% wc	14-14.3	2700	87	For round magnetic field forming dies.