

Material Grade	Density g/cm <sup>3</sup>	Hardness (HRA)	T.R.S. (MPa)	Comp.S. (Mpa)	Application
RG1	15	92.5	2,450	6,080	Wire Drawing Die, Nozzle, Cutting Tool, Gause, Powder Molding, Drawing Tool for Light Impact, Guide, etc.
RG2	14.6	91.5	3,240	5,250	Powder Molding, Wire Drawing Die, Plug, Drawing Tool, Punching Tool, Roll Center, Mining Bit, Nozzle, Blade, Stone Tool, Ring, Gause, Cutting Tool, Guide Bush, Core, etc.
RG3	14.6	91	3,160	4,850	
RG4	14.4	90	3,140	4,480	Drawing Tool, Punching Tool, Punch, Cutting Tool, Cutter, Ring, Plug, Powder Molding for Special Configuration, Upper/Lower Punch, Core, etc.
RG5	14.1	88.3	3,140	4,100	
<b>RG type (Corrosion Resistant Tungsten Carbide)</b>					
<p>Alloys featuring in that binder phase reinforcement is added so that the Co phase, which may cause corrosion, is solid-solution reinforced, thus improved in heat resistance corrosion resistance. Particularly, electrolytic corrosion due to wire cut and corrosion after polishing are prevented. Reinforced binder phase reduces occurrence of chipping and thermal cracks.</p>					