Material Grade	Density g/cm3	Hardness (HRA)	T.R.S. (MPa)	Comp.S. (Mpa)	Application
RT51	14.2	88.2	3,080	4,000	Heading Die for Light Impact, Punching Tool, Drawing Tool, Punch, etc.
RT52	13.9	87	3,040	3,360	Heading Die for Light Impact, Cutter, Punching Tool, Punch, Shearing Die, etc.
RT525	13.7	86.2	3,000	3,250	
RT53	13.6	85.5	2,920	3,160	Heading Die,Punch, Nut Forming Die, Shearing Die, Parts Forming Die, Impact Die, Hot pressing Die, Parts Forming, Knife, etc.
RT54	13.4	84.3	2,880	2,960	
RT55	13.1	83	2,660	2,800	Heading Die, Nut Forming Die, Impact Die, Punch, Parts Forming Die(Application for Heaviest Impact), etc.
RT56	12.8	82	2,580	2,750	

RT type (Corrosion Resistant/Impact Resistant Tungsten Carbide)

Alloys featuring in that the binder phase is reinforced and middle to coarse grains of WC are used so that heat resistance, corrosion resistance and shock resistance are improved. Particularly,some drawig or bottomed header dies can archive 5 to 10 times longer in life than conventional. Electrolytic corrosion due to wire cut and corrosion after polishing are prevented.These alloys are suitable for hot casting.