Grand Sea Cemented Carbide rod which is hard and tough, is the raw material of producing the alloy cutting tools such as end milling cutter, drill and reamer. These cutting tools are widely used for metal processing.

Grade Recommandation

材质名称 (Grade)	WC (%)	CO (%)	晶粒度 Grain size (um)	比重 Density (g/cm^3) ±0.1	硬度 Hardness (HRA) ±0.5	断裂韧性 KIC (MNm-3/2)	抗折力 TRS (kgf/mm^2)
H09U	91	9	0.3	14.5	93.7	9.2	>350
H12U-T	88	12	0.3	14.2	93.0	9.6	>350
H06U-T	94	6	0.4	14.9	94.5	8.4	>380
H06U	94	6	0.4	14.9	94.0	8.7	>380
H08U	92	8	0.4	14.7	93.6	8.8	>380
H08U-K	92	8	0.4	14.7	93.2	9.0	>380
H12U	88	12	0.4	14.3	92.5	9.4	>350
H10S	90	10	0.6	14.4	92.1	9.9	>350
H10F	90	10	0.8	14.4	91.8	10.9	>350

Application

材质名称Grade	用途推荐 Applications								
Grade/Sort	H06U	H06U-T	H08U	H08U-K	H12U	H10S	H10F	H09U	H12U-T
碳素钢 Carbon steel						●	●		
回火钢 Tempered steel					●				●
淬火钢 Hardened steel	●	●		●				●	
不锈钢 Stainless steels	●	●			●		●		●
奥氏体不锈钢 Austenitic stainless steel						●			
灰口铸铁 Greycast iron						●			
耐热合金 Heat resistant alloys	●	●			●	●			●
钛合金 Titanium alloys			●	●	●			●	●
镍合金 Nickel alloys (Inconel)					●	●	●		●
铝合金 Aluminium alloys			●	●				●	
复合材料 Composite materials	●	●	●	●	●			●	●
碳纤维复合材料 CFRP	●	●	●	●	●			●	●
石墨 Graphite	●	●	●	●				●	
树脂材料 Resin			●						
木材 Wood			●	●				●	