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.

We have developed Ultrafine grade Carbide Rods for Super Hard Cutting Tools, such as our grade H09U-T, H06U-T.

Grand Sea Cemented Carbide Rods have good reputation in USA, EU, Japenese and Korea makert.

## **Grand Sea Cemented Carbide Rods include**

- 1. Tungsten Carbide long Rod unground and grouned h5/h6
- 2. Tungsten Carbide short Rod in h4/h5/h6/h7
- 3. Tungsten Carbide rod in Inch size in h4/h5/h6/h7
- 4. Tungsten Carbide PCB rod



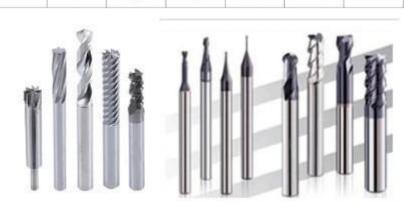
## Grade Recommandation

材质名称 ( Grade)	WC (%)	CO (%)	晶粒度 Grain size (um)	比重 Density (g/cm³)±0.1	硬度 Hardness ( HRA ) ±0.5	断裂韧性 KIC (MNm-3/2)	抗折力 TRS (kgf/mm²)	
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	92.5 9.4		
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-1		
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	•	•	•	•	•			•	•		
石墨 Graphite	•	•	•	•				•			
树脂材料 Resin			•								
木材			•								





## PRODUCTION WORKFLOW CHART

