

Grand Sea Cemented Carbide Rod Hard and wear resistant, It is the raw material for the production of alloy tools, such as end mills, drill bits and reamers. These cutting tools are widely used in metalworking.

Brand recommendation

| 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 | 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 | | | ● | ● | | | | ● | |