海盛硬质合金棒坚硬耐磨，是生产合金刀具的原材料，如端铣刀，钻头和铰刀。这些切削工具广泛用于金属加工。

牌号推荐

| 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 |

应用

| 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 | | | ● | ● | | | | ● | |