

Cemented carbide mining tool is used to produce mining tools such as down-the-hole drills, cone drills, shield cutters, and coal cutting tools. It is widely used in petroleum drilling, mining, tunneling and other industries.

**Grand Sea Cemented Carbide tools for Mining and construction** have high wear resistance and impact toughness. It has a variety of full-size tooth shapes, including spherical, tapered, elastic, wedge , side wedge, flat head, saw teeth, coal cutting teeth, bit center, etc.

Grand Sea adopt foreign grinding technology, the precision of cylindrical grinding and surface grinding is leading domestically.

We can supply three states: rough, rough grinding and fine grinding.

#### Grade Recommendation:

| 材质名称<br>(Grade) | WC<br>(%) | CO<br>(%) | 晶粒度<br>Grain size<br>(um) | 密度<br>Density<br>(g/cm <sup>3</sup> ) ±0.1 | 硬度<br>Hardness<br>(HRA) ±0.5 | 抗折力<br>TRS<br>(Kgf/mm <sup>2</sup> ) |
|-----------------|-----------|-----------|---------------------------|--|------------------------------|--------------------------------------|
| HE10            | 94        | 6         | 1.6                       | 14.95                                      | 90.4                         | >300                                 |
| HE15            | 94        | 6         | 2.0                       | 14.95                                      | 89.6                         | >280                                 |
| HE16            | 94        | 6         | 4.0                       | 14.95                                      | 88.2                         | >270                                 |
| HE20            | 92        | 8         | 4.0                       | 14.75                                      | 87.8                         | >270                                 |
| HE30            | 91        | 9         | 4.0                       | 14.65                                      | 87.5                         | >260                                 |
| HE35            | 89        | 11        | 4.0                       | 14.40                                      | 86.8                         | >250                                 |
| HE36            | 88        | 12        | 2.0                       | 14.30                                      | 87.0                         | >280                                 |
| HE40            | 87        | 13        | 4.0                       | 14.20                                      | 85.5                         | >240                                 |
| HE50            | 85        | 15        | 4.0                       | 14.05                                      | 85.0                         | >230                                 |
| HAC1            | 94        | 6         | 1.2                       | 14.95                                      | 90.5                         | >300                                 |
| HAC3            | 94        | 6         | 4.0                       | 14.95                                      | 88.3                         | >240                                 |
| HAC4            | 91        | 9         | 1.6                       | 14.65                                      | 88.7                         | >260                                 |