

Grand Sea Tungsten 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.

Grand Sea Tungsten Carbide tools for Mining and construction exported large to Korea Japense, South Africa, USA...market.

Shield cutter machine of Tunnelling tool is a kind of advanced equipment for underground tunnel construction.This equipment can do the field operation that not affect any construction on the ground.

Popular Grade for mining tool:

| Grade | WC % | CO % | Grain size (um) | Density (g/cm ³)±0.1 | Hardness (HRA)±0.5 | TRS (kgf/mm ²) |
|-------|------|------|-----------------|----------------------------------|--------------------|----------------------------|
| HE10 | 94 | 6 | 1.6 | 14.95 | 90.4 | >300 |
| HE15 | 94 | 6 | 2.0 | 14.95 | 89.6 | >280 |
| HE16 | 94 | 6 | 3.2 | 14.95 | 88.2 | >270 |
| HE20 | 92 | 8 | 3.2 | 14.75 | 87.8 | >270 |
| HE30 | 91 | 9 | 3.2 | 14.65 | 87.5 | >260 |
| HE35 | 89 | 11 | 3.2 | 14.40 | 86.8 | >250 |
| HE36 | 88 | 12 | 2.0 | 14.30 | 87.0 | >280 |
| HE40 | 87 | 13 | 3.2 | 14.20 | 85.5 | >240 |
| HE50 | 85 | 15 | 3.2 | 14.05 | 85.0 | >230 |
| HAC3 | 94 | 6 | 4.0 | 14.95 | 88.3 | >240 |
| TC02 | 91.5 | 8.5 | 6.0 | 14.65 | 86.4 | >240 |

