

**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:

Kvalitet	toalett %	CO %	Kornstorlek (um)	Densitet (g/cm <sup>3</sup> )±0.1	Hårdhet (HRA)±0.5	TRS (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	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

