



Cutting & Wear Resistance	

Impact & Toughness



Grade HB-512 is an extremely hard material offering high abrasion resistance and is ideal for use in cutting tools such as drills, endmills, and reamers. The ultra-fine grain size grade provides finish machining, with very little or no shock, of wear parts, EDM blanks, wire guides, sand blast nozzles.

- Stainless steels
- Titanium alloys
- Heat-resistant steels



Grade HB-512 ultra fine grain structure, 88/12 (carbide / cobalt %) offers toughness and wear resistance for punch applications.

Composition

Tungsten Carbide Cobalt	WC 88% Co 12%
Microstructure Grain Size (ASTM B-390)	0.6 µm
Hardness Rockwell A (ASTM B-294)	92.50
Transverse Rupture Strength (ASTM B-406)	640,000 PSI
Density (ASTM B-311)	14.11

Manufactured in preforms, altered and standard blank designs

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