

DISCOVER WHAT THE H.B. CARBIDE ADVANTAGE CAN DO FOR YOU

OUR PASSION IS PROVIDING OPTIMIZED SOLUTIONS FOR YOUR MOST CHALLENGING APPLICATIONS.

AMERICAN MADE. AMERICAN PRIDE.

H.B. Carbide Company delivers custom and altered standard carbide blanks that provide consistency, reliability and advanced capabilities for your most demanding applications

- Manufactured in the USA from raw material to finished ground blank
- Providing consistent quality and reliable service for nearly 40 years
- Comprehensive grade/capability offering specialized to provide solutions to all your business and application challenges

CUSTOM, STANDARD AND ALTERED DESIGN

H.B. Carbide's experienced specialists are prepared and committed to support and assist you in your decision making process to achieve optimized solutions, from grade selection to preform blank design.

- Advanced near net shape preform solutions
- Solid and coolant-through capabilities
- Pre-fluted blanks
- Large diameter and extended overall length
- Die and bushing blanks
- Centerless and between centers OD grinding
- Flow control products
- Program file sharing

• METAL CUTTING **WEAR & DIE ENERGY**

H.B. CARBIDE GRADE SELECTION

SUCCESSFUL RESULTS START FROM THE GRADE

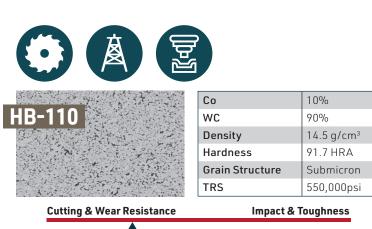
- Grade selection is crucial to meeting today's strict quality requirements and technical challenges, while maximizing productivity
- H.B. Carbide has a comprehensive grade offering specialized to provide solutions for all your business and application challenges
- We provide the optimum combination of high quality, consistency and performance reliability with industry-leading product/feature capabilities
- Committed service and focused support

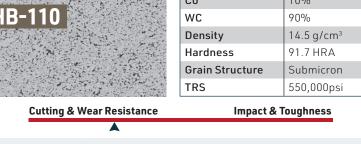
NOT ALL MATERIALS ARE PRODUCED THE SAME

H.B. Carbide is a fully-integrated manufacturer, from raw materials to finished ground blanks

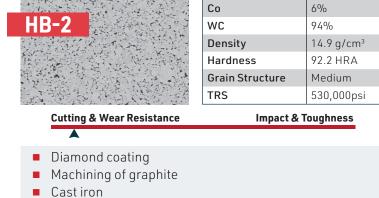
Ultrafine Submicron

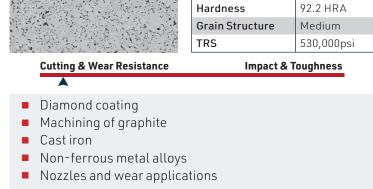
- We partner with high-quality suppliers, ensuring quality/consistency from the start
- Integrated quality systems ensure product performance and traceability
- Process control from raw materials to shipping ensure product quality, consistency and performance.

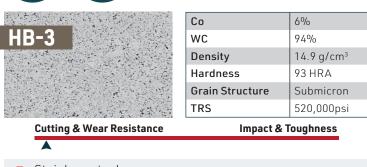




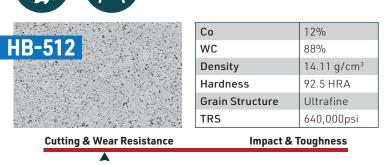
- Heat-resistant steels Corrosion-resistant steels
- Stainless steels Non-ferrous metal alloys
- Titanium

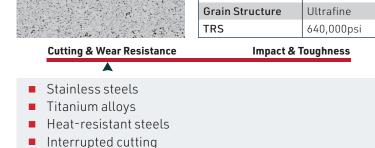


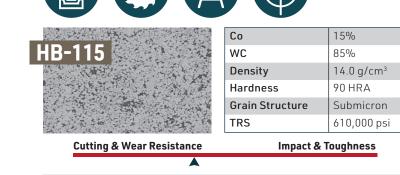




Stainless steels Plastics Diamond coating Non-ferrous metal alloys Wear applications, flow control







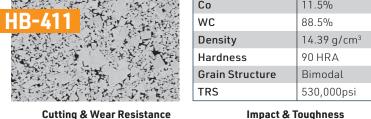
Coarse

Bimodal

Medium

Diverse wear applications Shock-resistance applications Impact punches Punches and ejector pins Roughing, shearing applications

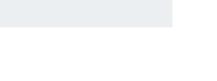




Impact & Toughness Cutting & Wear Resistance

- Exceptional performance in punch applications ■ Heat-resistant steels Stainless steels
- **HB-320 Cutting & Wear Resistance**
 - Med-/High-impact forming applications Fastener forming dies
 - Header dies, draw dies, stamping die details Ammunition dies

Hardness



80%

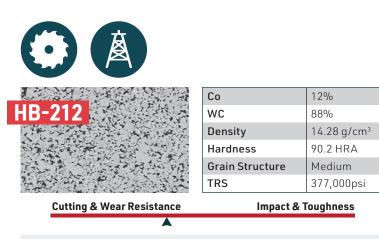
13.56 g/cm³

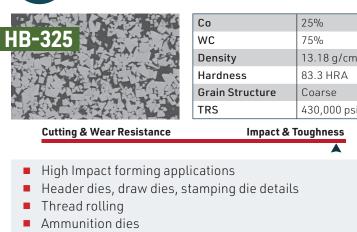
455,000 psi

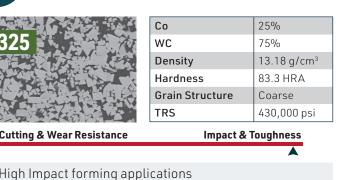
85.4 HRA

Coarse

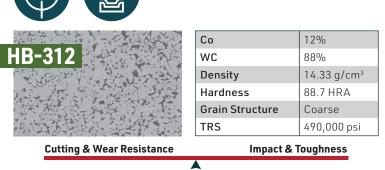
Impact & Toughness

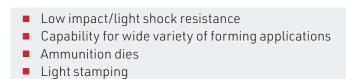


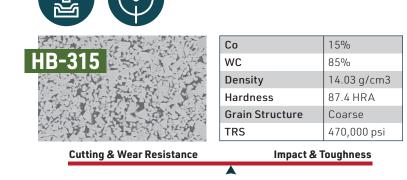


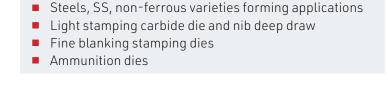






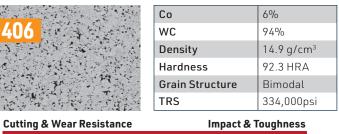




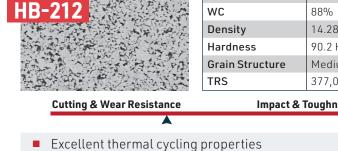




Non-ferrous metal alloys



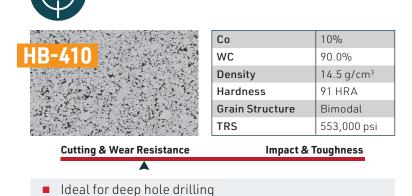
- Ideal for deep hole drilling Bimodal grain structure offering excellent
- Gundrill



Optimal braze adhesion

Good toughness characteristics

Non-cutting grade



Exceptional toughness/wear properties

Gundrill

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