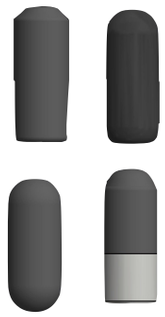
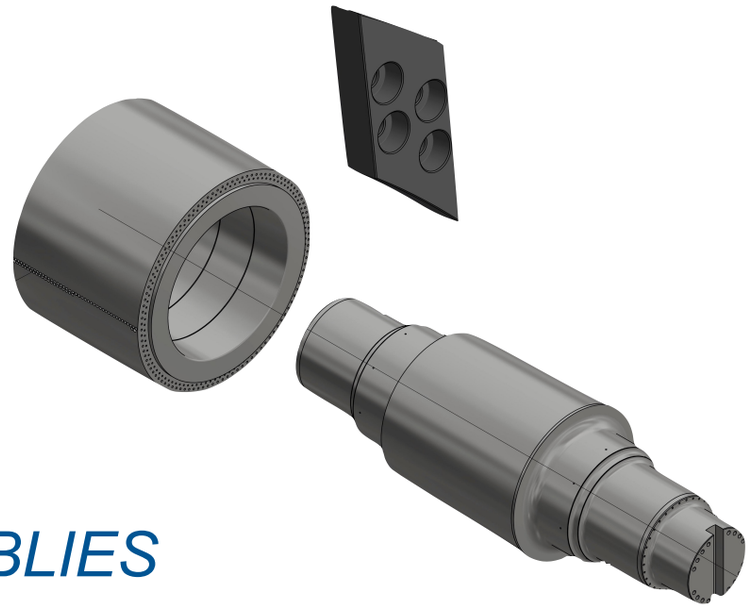
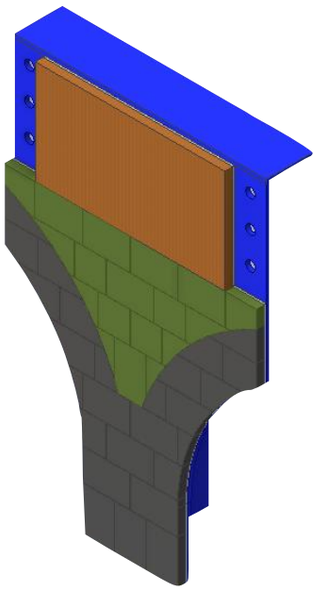
Components : Materials : Industry

Engineered Wear Solutions For HPGR

WEAR PRODUCTS ENGINEERED FOR MAXIMUM PERFORMANCE & RELIABILITY







HPGR WEAR PRODUCTS & ASSEMBLIES

Studs:
Flat Top, Domed Top and Carbide/Steel Composite, all O.D. ground and tumble polished.

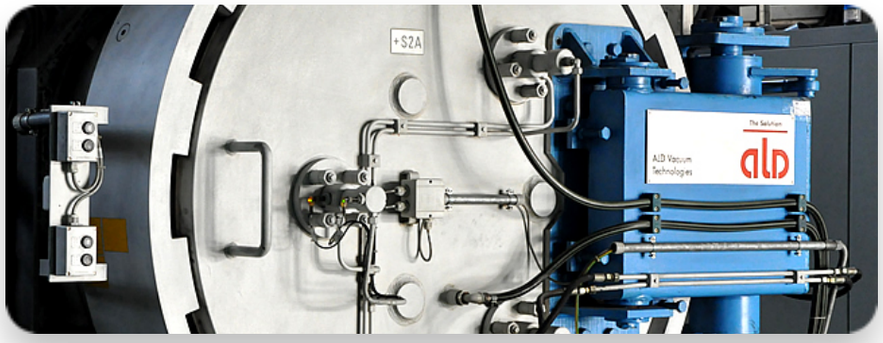
Edge Protection:
Bolt On, Keyed and Dovetail, manufactured to your specifications.

Cheek Plates:
Complete steel / carbide assemblies, replacement carbide liners and N 2 W .

Feed Chute Liners:
Bolt in carbide wear liners and N 2 W.

Complete Shaft & Tire Assemblies:
Fully finished shaft & tire assemblies, with carbide, for the entire range of HPGR sizes.

WEAR MATERIALS ENGINEERED FOR THE TOUGHEST HPGR APPLICATIONS



CMI has a full range of cemented carbide HPGR wear products including *TIRE STUDS, EDGE PROTECTION, CHEEK PLATE & CHUTE LINERS,* as well as complete assemblies, all produced to exacting standards and engineered for each application.

Our cemented carbide begins with 100% virgin tungsten carbide, formulated and blended in the same factory as our product production. This "Fully Integrated" approach allows for complete control of the material parameters required in producing the highest quality cemented carbide products, while eliminating the high logistics cost associated with separate powder production.

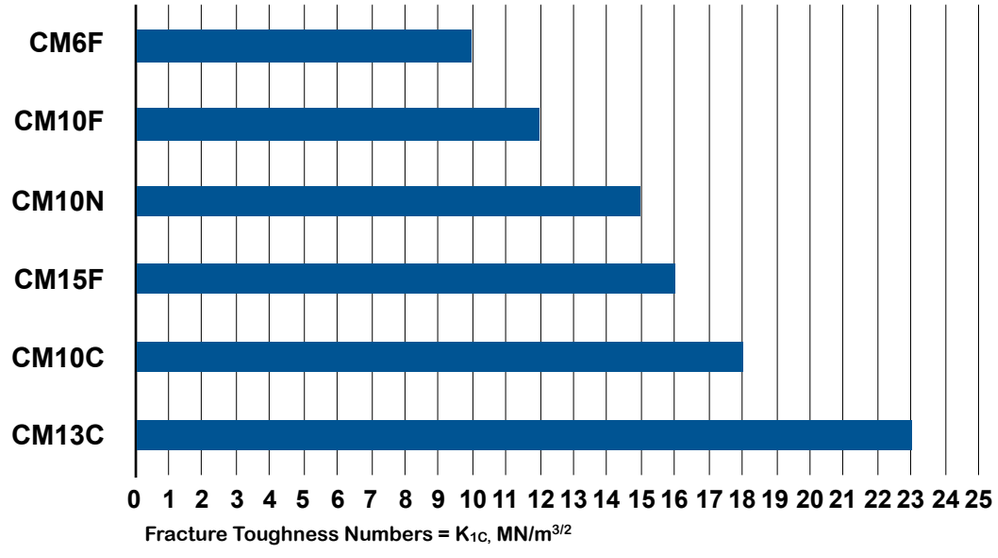
HPGR applications are extremely demanding for wear products due to the combination of the pressure created between the roll surfaces and the abrasiveness of the minerals being processed. To withstand these conditions, HPGR wear components require the use of the best materials and the most modern production methods.

While products made from non-virgin and or recycled material can reduce up front costs, these "low cost" products can lead to much higher expense once in operation. For example, premature stud breakage can cause loss of the autogenous wear layer on the roll surface leading to catastrophic roll failure and necessitating complete roll replacements that far exceed the cost of the broken studs.

CMI understands the critical nature of these wear products and supplies only the highest quality products and assemblies to ensure maximum performance and reliability.

KEY PROPERTIES OF CMI CEMENTED CARBIDE FOR HPGR APPLICATIONS

FRACTURE TOUGHNESS



ABRASION RESISTANCE