



## Home of the World's Finest Cemented Carbide Craftsmen

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In 1984 Multi-Metals began offering compacts (inserts for downhole bits) to the drilling industry, and in 1989 became an industry leader with our patented Dyanite® product.

The excellent properties of Dyanite® along with outstanding product quality and service have combined to make Multi-Metals an industry leader in this product line.



Today, Multi-Metals products are used for the exploration and production of oil and gas, water wells, construction and other mining applications.

We offer many industry-standard sizes and shapes as well as products manufactured to precise customer specifications. Whether you are seeking standard grades or our Dyanite® product, we are able to supply all of them in time and with top high quality.

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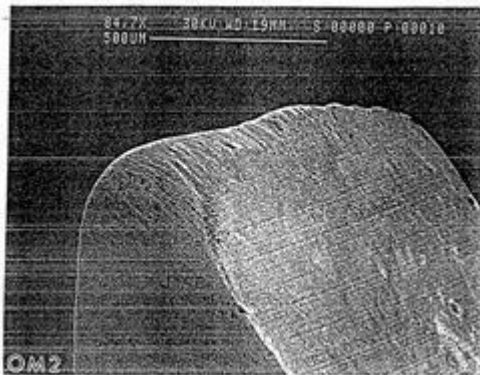
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### Dyanite®

Dyanite® is our invented tungsten carbide and cobalt (WC-Co) composition that fundamentally changes the compromise between hardness and fracture toughness.

Dyanite® allows for the use of higher hardness inserts without sacrificing the fracture toughness needed in many applications. Dyanite® is a WC-Co composition modified by the addition of boron (B).

Regular grade OM2



Dyanite grade OM2D



Hardness and fracture toughness of Dyanite® compositions have the same dependence on carbide grain size and cobalt content as regular WC-Co, but with a fundamental difference: for a given cobalt content and grain size, Dyanite® has a slightly higher hardness but a substantially increased fracture toughness. This makes Dyanite® a great choice for those critical impact applications where a high wear resistance is required, too.