

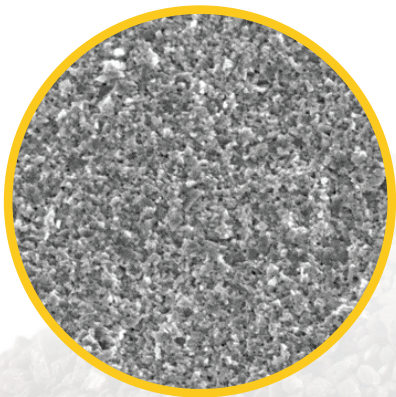
2020 IMCD Rods NEW GRADES

SF060 · SF090 · UF08

SF060

Feature

- Ultrafine grain WC with 6% Co
- Hardness: HRA 94.8; Hv30 2100
- Transverse rupture strength: 3847 N/mm²
- Fracture toughness: 9.0 Mpa.m^{1/2}



CARBIDE RODS

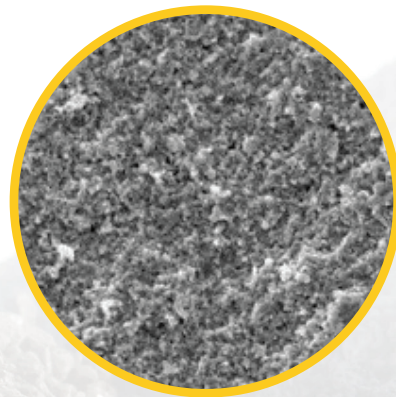
Application

- High Cutting speed
- Mostly applied for super hardened steel > 65 HRC
- Application range is H01
- High wear resistance material, and excellent for abrasive fiber composite materials
- Wood, Plastic, Endmill, Reamer & Burnishing Drill

SF090

Feature

- Ultrafine grain WC with 9% Co
- Hardness: HRA 94.2; Hv30 1950
- Transverse rupture strength: 4137 N/mm²
- Fracture toughness: 10.3 Mpa.m^{1/2}



CARBIDE RODS

Application

- High Cutting speed
- For use on high hardness materials
- Very high wear resistance and excellent deformation resistance
- Application range is H05
- Mostly used for round tool application
- An ultrafine substrate for hardness & temperature resistant properties that improve tool life and surface finish

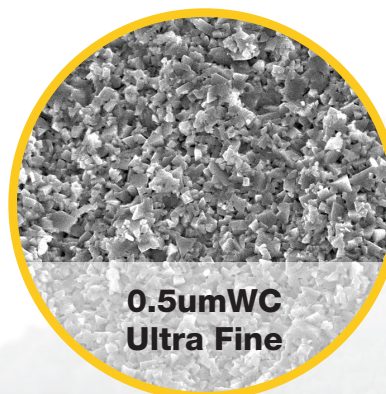
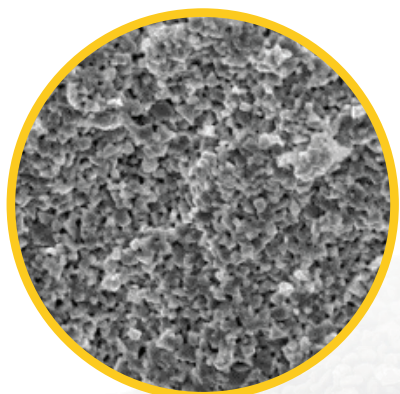
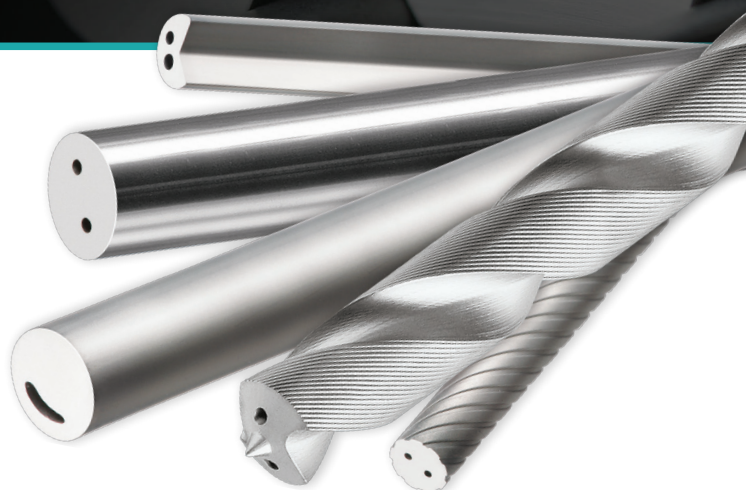


First Class Solid Carbide Rods

UF08

Feature

- Submicron grain WC with 8% Co
- Hardness: HRA 92.5; Hv30 1721
- Transverse rupture strength: 4309 N/mm²
- Fracture toughness: 12.5 Mpa.m^{1/2}

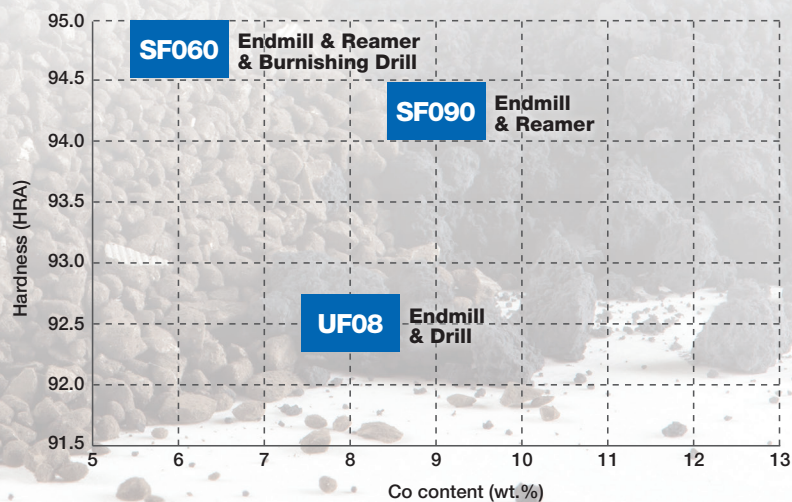


CARBIDE RODS

Application

- Medium cutting speed in Milling & Drilling
- High wear resistance
- For use on carbon and alloyed steel
- Common used for stainless steel and non-ferrous material

Comparison map of new grades



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