



**sp3 CVD Diamond Coating**

**Coating Services**

Tool Diameter	sp3 CVD Diamond Carbide Compatibility*		
	Round Tools		
	Type 3 Sharper Cutting Edge	Type 5 General Purpose	Type 7 Highly Abrasive Applications
Recommended Grades for Round Tools w/diameters ≥ .093 (2.4mm)	Ceratizit - CTF12A/HC20 DiJet - CR1 Duramet - DU2 Extramet - EMT806 General Carbide - GC206 Guhring - DK120 HB Carbide - HB2	Hydrocarbide - HC290 Kennametal/Widia - KM1 Rogers Tool Works - CQ2 Sandvik - H6N Tungsten Carbide Mfg - TCM5120 Walmat - WA2 Widia - THM	
Recommended Grades for Round Tools w/diameters <.093 (2.4mm)	Ceratizit - MG18/TSM33 HydroCarbide - HCUS10 Mitsubishi - TF15 Tungsten Carbide Mfg - TCM2010		
Acceptable Grades for Round Tools w/diameters ≥ .093 (2.4mm)	Kennametal - K313 Ceratizit - MG12 Extramet - EMT100 Mitsubishi - HTi10/HTi20 Tungsten Carbide Mfg - TCM 2506		Not Recommended
Acceptable Grades for Round Tools w/diameters <.093 (2.4mm)	Ceratizit - MG18 HydroCarbide - HCUS10 Mitsubishi - TF15 Sandvik - H10F		

**\*NOTES:**

Recommended grades are suitable for optimum coating adhesion and hence assure reliable and consistent tool performance. Acceptable grades are suitable for less than optimum coating adhesion. Reject rates of up to 10% may be experienced. Please consult sp3 Diamond Technologies for information on other carbide grades.

**Contact us toll-free at 877-773-9940!**