



CVD Diamond Insert Coatings

January 2017

Tool Diameter	sp3 CVD Diamond Typical Coating Thickness Inserts or other Flat Tools		
	Type 10	Type 15	Type 18
Thickness	10 to 15 um	16 to 23 um	26 to 38um
Type	MCD	MCD	MCD



CVD Diamond Round Tool Coatings

January 2017

US		mm		COATINGS				
				2 to 3um	6um	9um	12um	21um
1/32	.0156 - .0313	0.5	.39 - .80	NCD	NCD	NCD		
1/16	.0314 - .0625	1	.81 - 1.59	NCD	NCD	NCD		
3/32	.0626 - .0938	2	1.60 - 2.38	NCD	NCD	NCD		
1/8	.0939 - .1250	3	2.39 - 3.18	NCD	NCD	NCD	NCD	
3/16	.1251 - .1875	4	3.19 - 4.76	NCD	NCD	NCD	NCD	NCD
1/4	.1876 - .2500	6	4.77 - 6.35	NCD	NCD, MCD, LS	NCD, MCD, LS	NCD, MCD, LS	NCD, LS
5/16	.2501 - .3125	8	6.36 - 7.94	NCD	NCD, MCD, LS	NCD, MCD, LS	NCD, MCD, LS	NCD, LS
3/8	.3126 - .3750	10	7.95 - 9.53	NCD	NCD, MCD, LS	NCD, MCD, LS	NCD, MCD, LS	NCD, LS
1/2	.3751 - .5000	12	9.54 - 12.70	NCD	NCD, MCD, LS	NCD, MCD, LS	NCD, MCD, LS	NCD, LS
5/8	.5001 - .6250	16	12.71 - 15.88	NCD	NCD	NCD	NCD	NCD
3/4	.6251 - .7500	20	15.89 - 19.05	NCD	NCD	NCD	NCD	NCD
1	.7501 - 1.000	25	19.06 - 25.40	NCD	NCD	NCD	NCD	NCD

NCD: Nano-Crystalline

MCD: Micro-Crystalline

LS: Low Stress

Please contact sp3 Diamond Technologies with any special requests.