

CVD Diamond Round Tool Tolerances

Coated Tool Tolerance: +0.0, -0.001

April 2018

US		mm		INCOMING TOLERANCES								
				2 to 3um	6um	9um	12um	15um	18um	21um		
1/32	.0156 - .0313	0.5	.39 - .80	+0.0, -0.001	-0.0003, -0.0012							
1/16	.0314 - .0625	1	.81 - 1.59	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014						
3/32	.0626 - .0938	2	1.60 - 2.38	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014						
1/8	.0939 - .1250	3	2.39 - 3.18	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014	-0.0009, -0.0016					
3/16	.1251 - .1875	4	3.19 - 4.76	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014	-0.0009, -0.0016					
1/4	.1876 - .2500	6	4.77 - 6.35	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014	-0.0009, -0.0016	-0.0011, -0.0017	-0.0013, -0.0019	-0.0015, -0.0021		
5/16	.2501 - .3125	8	6.36 - 7.94	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014	-0.0009, -0.0016	-0.0011, -0.0017	-0.0013, -0.0019	-0.0015, -0.0021		
3/8	.3126 - .3750	10	7.95 - 9.53	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014	-0.0009, -0.0016	-0.0011, -0.0017	-0.0013, -0.0019	-0.0015, -0.0021		
1/2	.3751 - .5000	12	9.54 - 12.70	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014	-0.0009, -0.0016	-0.0011, -0.0017	-0.0013, -0.0019	-0.0015, -0.0021		
5/8	.5001 - .6250	16	12.71 - 15.88	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014	-0.0009, -0.0016	-0.0011, -0.0017	-0.0013, -0.0019	-0.0015, -0.0021		
3/4	.6251 - .7500	20	15.89 - 19.05	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014	-0.0009, -0.0016	-0.0011, -0.0017	-0.0013, -0.0019	-0.0015, -0.0021		
1	.7501 - 1.000	25	19.06 - 25.40	+0.0, -0.001	-0.0003, -0.0012	-0.0006, -0.0014	-0.0009, -0.0016	-0.0011, -0.0017	-0.0013, -0.0019	-0.0015, -0.0021		

Maximum flute length coverage is 3 inches

Maximum overall length is 8 inches