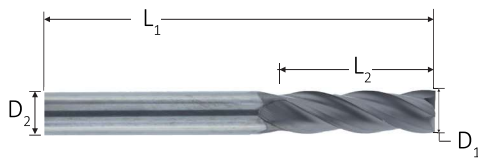
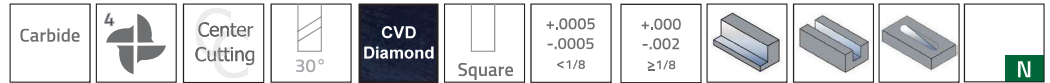


GRAPHITE & COMPOSITES



4 FLUTE • CVD DIAMOND COATING



SERIES: CCMG-__-DIA

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	PART NAME	DIAMOND EDP
0.015	1/8	.045	1-1/2	CCMG-.015-DIA	H6678
0.02	1/8	.060	1-1/2	CCMG-.020-DIA	H6679
1/32	1/8	3/32	1-1/2	CCMG-401-DIA	10061
0.04	1/8	.120	1-1/2	CCMG-.040-DIA	H6680
0.047	1/8	.141	1-1/2	CCMG-.047-DIA	H6681
0.05	1/8	.150	1-1/2	CCMG-.050-DIA	H6682
0.06	1/8	.180	1-1/2	CCMG-.060-DIA	H6683
1/16	1/8	3/16	1-1/2	CCMG-402-DIA	10063
0.078	1/8	.234	1-1/2	CCMG-.078-DIA	H6684
3/32	1/8	3/8	1-1/2	CCMG-403-DIA	10065
0.10	1/8	.300	1-1/2	CCMG-.100-DIA	H6685
1/8	1/8	1/2	1-1/2	CCMG-404-DIA	10067
0.156	3/16	.470	2	CCMG-.156-DIA	H6686
3/16	3/16	5/8	2	CCMG-606-DIA	10069
1/4	1/4	3/4	2-1/2	CCMG-808-DIA	10071
5/16	5/16	13/16	2-1/2	CCMG-1010-DIA	10073
3/8	3/8	1	2-1/2	CCMG-1212-DIA	10075
1/2	1/2	1	3	CCMG-1616-DIA	14594

- ▶ For optimum productivity in machining GRAPHITE, HIGH SILICON ALUMINUM & COMPOSITE MATERIALS
- ▶ Ideal for finishing applications and long axial depths of cut
- ▶ Special carbide substrate with 6% cobalt binder enables proper adhesion of coating
- ▶ Up to 20 micron thickness of pure crystalline diamond structure provides maximum tool life



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4 FLUTE • BALL NOSE CVD DIAMOND COATING



SERIES: CCMG-__-B-DIA

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	PART NAME	DIAMOND EDP
.015	1/8	.045	1-1/2	CCMG-.015-B-DIA	H6687
.020	1/8	.060	1-1/2	CCMG-.020-B-DIA	H6688
1/32	1/8	3/32	1-1/2	CCMG-401-B-DIA	10077
.040	1/8	.120	1-1/2	CCMG-.040-B-DIA	H6689
.047	1/8	.141	1-1/2	CCMG-.047-B-DIA	H6690
.050	1/8	.150	1-1/2	CCMG-.050-B-DIA	H6691
.060	1/8	.180	1-1/2	CCMG-.060-B-DIA	H6692
1/16	1/8	3/16	1-1/2	CCMG-402-B-DIA	10079
.078	1/8	.234	1-1/2	CCMG-.078-B-DIA	H6693
3/32	1/8	3/8	1-1/2	CCMG-403-B-DIA	10081
.100	1/8	.300	1-1/2	CCMG-.100-B-DIA	H6694
1/8	1/8	1/2	1-1/2	CCMG-404-B-DIA	10083
.156	3/16	.470	2	CCMG-.156-B-DIA	H6695
3/16	3/16	5/8	2	CCMG-606-B-DIA	10085
1/4	1/4	3/4	2-1/2	CCMG-808-B-DIA	10087
5/16	5/16	13/16	2-1/2	CCMG-1010-B-DIA	10089
3/8	3/8	1	2-1/2	CCMG-1212-B-DIA	10091



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MATERIAL	CONDITION	STARTING SFM	CUTTING DIAMETER
Aluminum+Aluminum Alloys	ISO-N		CHIP PER TOOTH
<i>Aluminum</i> 5-8% Si	Rough Milling	1500-3500	0.006-0.018
	Finish Milling	1500-4600	0.003-0.008
<i>Aluminum Cast</i> 8-12% Si	Rough Milling	1200-2850	0.0055-0.013
	Finish Milling	1200-3600	0.003-0.0065
Carbon Fiber	ISO-N		
<i>Carbon Fiber</i>		500-1200	0.003-0.009
Glass Fiber	ISO-N		
<i>Glass Fiber</i>		500-1100	0.001-0.0075
Copper/Bronze	ISO-N		
<i>Copper/Bronze</i>		700-1300	0.001-0.0068
Graphite	ISO-N		
<i>Graphite</i>	Rough Milling	500-1600	0.003-0.005
	Finish Milling	500-2000	0.001-0.003
Green Ceramic	ISO-N		
<i>Green Ceramic</i>		750-1200	0.002-0.0076