

2018 GENERAL PURPOSE CATALOG



Premium Solid Carbide & Cobalt HSS End Mills, Drills, & Cutting Tools

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GENERAL PURPOSE CARBIDE

General Purpose Single End



Square End Mill - 2 Flute
Series: **AMG**, **AMGN** (Metric pg: 18)



Corner Radius - 2 Flute
Series: **AMG-__-R** (Metric pg: 21)



Ball Nose End Mill - 2 Flute
Series: **AMG-__-B**, or **AMGN-__-B** (Metric pg: 24)



Square End Mill - 3 Flute
Series: **EMG** (Metric pg: 26)



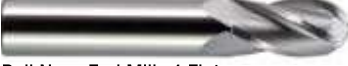
Ball Nose End Mill - 3 Flute
Series: **EMG-__-B** (Metric pg: 28)



Square End Mill - 4 Flute
Series: **CCMG** (Metric pg: 31)



Corner Radius - 4 Flute
Series: **CCMG-__-R** (Metric pg: 35)



Ball Nose End Mill - 4 Flute
Series: **CCMG-__-B** or **CCMGN-__-B** (Metric pg: 38)



NC Tolerance - 2 Flute
Series: **AMG-__-NC**



NC Tolerance Ball Nose - 2 Flute
Series: **AMG-__-NCB**



NC Tolerance - 4 Flute
Series: **CCMG-__-NC**



NC Tolerance Ball Nose - 4 Flute
Series: **CCMG-__-NCB**

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Double End



Double End Stub End Mill - 2 Flute
Series: **BSMG**



Double End Mill - 2 Flute
Series: **BMG**



Double End Stub Ball Nose End Mill - 2 Flute
Series: **BSMG-__-B**



Double End Ball Nose End Mill - 2 Flute
Series: **BMG-__-B**



Double End Stub End Mill - 4 Flute
Series: **DDSMG**



Double End Mill - 4 Flute
Series: **DDMG**



Double End Stub Ball Nose End Mill - 4 Flute
Series: **DDSMG-__-B**



Double End Ball Nose End Mill - 4 Flute
Series: **DDMG-__-B**

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40° Helix



40° Helix - 2 Flute
Series: **AMG40**



40° Helix - 2 Flute Ball End
Series: **AMG40-__-B**



40° Helix - 3 Flute
Series: **EMG40**



40° Helix - 4 Flute
Series: **CCMG40**



40° Helix - 4 Flute Ball End
Series: **CCMG40-__-B**

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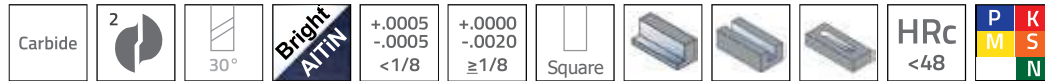
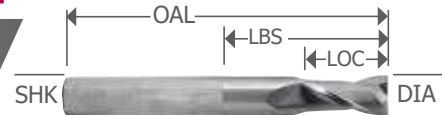
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GENERAL PURPOSE CARBIDE END MILL

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2 FLUTE • GENERAL PURPOSE END MILLS



SERIES: AMG

DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/64	1/8	3/64		1-1/2	std	AMG-400-1/2	13385	53385
1/32	1/8	1/16		1-1/2	stub	AMGS-401	16146	56146
1/32	1/8	3/32		1-1/2	std	AMG-401	14000	54000
3/64	1/8	3/32		1-1/2	stub	AMGS-401-1/2	16147	56147
3/64	1/8	1/8		1-1/2	std	AMG-401-1/2	14002	54002
1/16	1/8	1/8		1-1/2	stub	AMGS-402	16148	56148
1/16	1/8	3/16		1-1/2	std	AMG-402	14004	54004
1/16	1/8	1/4		1-1/2	med	AMG-402-M	19126	59126
1/16	1/8	3/8		1-1/2	long	AMG-402-L	11521	51521
5/64	1/8	1/8		1-1/2	stub	AMGS-402-1/2	11517	51517
5/64	1/8	3/16		1-1/2	std	AMG-402-1/2	14006	54006
5/64	1/8	1/4		1-1/2	med	AMG-402-1/2-M	19127	59127
3/32	1/8	3/16		1-1/2	stub	AMGS-403	16149	56149
3/32	1/8	3/8		1-1/2	std	AMG-403	14008	54008
3/32	1/8	3/8	3/4	2	ext neck	AMGN-403	19128	59128
3/32	1/8	1/2		1-1/2	med	AMG-403-M	19129	59129
3/32	1/8	9/16		3	long	AMG-403-L	16060	56060
7/64	1/8	7/32		1-1/2	stub	AMGS-403-1/2	14011	54011
7/64	1/8	3/8		1-1/2	std	AMG-403-1/2	14009	54009
1/8	1/8	1/4		1-1/2	stub	AMGS-404	16150	56150
1/8	1/8	1/2		1-1/2	std	AMG-404	14010	54010
1/8	1/8	5/8		2	med	AMG-404-M	11523	51523
1/8	1/8	5/8	1	2	ext neck	AMGN-404	16713	56713
1/8	1/8	3/4		2-1/4	med/long	AMG-404-ML	12751	52751
1/8	1/8	3/4		3	long	AMG-404-L	16061	56061
1/8	1/8	1		3	xl	AMG-404-E	16062	56062
9/64	3/16	9/16		2	std	AMG-604-1/2	15893	55893
5/32	3/16	5/16		1-1/2	stub	AMGS-605	16151	56151
5/32	3/16	9/16		2	std	AMG-605	14020	54020
5/32	3/16	3/4		3	long	AMG-605-L	16063	56063
5/32	3/16	1-1/8		3	xl	AMG-605-E	19130	59130
11/64	3/16	9/16		2	std	AMG-605-1/2	15894	55894
3/16	3/16	3/8		1-1/2	stub	AMGS-606	16152	56152
3/16	3/16	5/8		2	std	AMG-606	14022	54022
3/16	3/16	3/4		2-1/2	med/long	AMG-606-ML	12753	52753
3/16	3/16	3/4		3	long	AMG-606-L	16064	56064
3/16	3/16	1	1-5/8	3	ext neck	AMGN-606	16714	56714
3/16	3/16	1	2-5/8	4	ext neck	AMGN-606-2	16715	56715
3/16	3/16	1	no neck	4	no neck	AMG-606-NN	19131	59131
3/16	3/16	1-1/8		3	xl	AMG-606-E	16065	56065
13/64	1/4	5/8		2-1/2	std	AMG-806-1/2	15895	55895
7/32	1/4	1/2		2	stub	AMGS-807	16153	56153
7/32	1/4	5/8		2-1/2	std	AMG-807	14024	54024
15/64	1/4	3/4		2-1/2	std	AMG-807-1/2	15896	55896
1/4	1/4	1/2		2	stub	AMGS-808	16154	56154
1/4	1/4	3/4		2-1/2	std	AMG-808	14026	54026
1/4	1/4	1	2-1/4	4	ext neck	AMGN-808	16716	56716
1/4	1/4	1-1/8		3	long	AMG-808-L	14028	54028
1/4	1/4	1-1/2		4	xl	AMG-808-E	14030	54030

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GENERAL PURPOSE CARBIDE END MILL

2 FLUTE • GENERAL PURPOSE END MILLS

SERIES: AMG

DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/4	1/4	1-1/2	4-1/4	6	ext neck	AMGN-808-2	16717	56717
1/4	1/4	1-1/2	no neck	6	no neck	AMG-808-NN	19132	59132
17/64	5/16	3/4		2-1/2	std	AMG-1008-1/2	15897	55897
9/32	5/16	3/4		2-1/2	std	AMG-1009	15898	55898
19/64	5/16	13/16		2-1/2	std	AMG-1009-1/2	15899	55899
5/16	5/16	1/2		2	stub	AMGS-1010	16155	56155
5/16	5/16	13/16		2-1/2	std	AMG-1010	14032	54032
5/16	5/16	1	2-5/16	4	ext neck	AMGN-1010	16718	56718
5/16	5/16	1-1/8		3	long	AMG-1010-L	16066	56066
5/16	5/16	1-1/2	4-5/16	6	ext neck	AMGN-1010-2	16719	56719
5/16	5/16	1-5/8		4	xl	AMG-1010-E	16027	56027
21/64	3/8	7/8		2-1/2	std	AMG-1210-1/2	16119	56119
11/32	3/8	7/8		2-1/2	std	AMG-1211	15900	55900
23/64	3/8	7/8		2-1/2	std	AMG-1211-1/2	16120	56120
3/8	3/8	5/8		2	stub	AMGS-1212	16156	56156
3/8	3/8	1		2-1/2	std	AMG-1212	14034	54034
3/8	3/8	1	2-3/8	4	ext neck	AMGN-1212	16720	56720
3/8	3/8	1-1/8		3	long	AMG-1212-L	14036	54036
3/8	3/8	1-1/2	4-3/8	6	ext neck	AMGN-1212-2	16721	56721
3/8	3/8	1-1/2	no neck	6	no neck	AMG-1212-NN	19133	59133
3/8	3/8	1-3/4		4	xl	AMG-1212-E	14038	54038
3/8	3/8	2		4	xl	AMG-1212-EL	19134	59134
3/8	3/8	3		6	xxl	AMG-1212-EE	13621	53621
25/64	7/16	1		2-3/4	std	AMG-1412-1/2	16121	56121
13/32	7/16	1		2-3/4	std	AMG-1413	15901	55901
27/64	7/16	1		2-3/4	std	AMG-1413-1/2	16122	56122
7/16	7/16	5/8		2-1/2	stub	AMGS-1414	16157	56157
7/16	7/16	1		2-3/4	std	AMG-1414	14040	54040
7/16	7/16	1	2-1/4	4	ext neck	AMGN-1414	16722	56722
7/16	7/16	1-1/2	4-1/4	6	ext neck	AMGN-1414-2	16723	56723
7/16	7/16	2		4	long	AMG-1414-L	16029	56029
7/16	7/16	3		6	xl	AMG-1414-E	16028	56028
29/64	1/2	1		3	std	AMG-1614-1/2	16123	56123
15/32	1/2	1		3	std	AMG-1615	15902	55902
31/64	1/2	1		3	std	AMG-1615-1/2	16124	56124
1/2	1/2	5/8		2-1/2	stub	AMGS-1616	16158	56158
1/2	1/2	1		3	std	AMG-1616	14042	54042
1/2	1/2	1	2	4	ext neck	AMGN-1616	16724	56724
1/2	1/2	1-1/4		3	med	AMG-1616-M	11529	51529
1/2	1/2	1-1/2		4	med/long	AMG-1616-ML	19135	59135
1/2	1/2	1-1/2	4	6	ext neck	AMGN-1616-2	16725	56725
1/2	1/2	1-1/2	no neck	6	no neck	AMG-1616-NN	11919	51919
1/2	1/2	2		4	long	AMG-1616-L	14044	54044
1/2	1/2	3		6	xl	AMG-1616-E	14046	54046
17/32	9/16	1-1/4		3-1/2	std	AMG-1817	11515	51515
9/16	9/16	1-1/4		3-1/2	std	AMG-1818	15903	55903
9/16	9/16	2	3-3/4	6	ext neck	AMGN-1818	16726	56726
9/16	9/16	3		6	xl	AMG-1818-E	16727	56727
5/8	5/8	3/4		3	stub	AMGS-2020	16159	56159
5/8	5/8	1-1/4		3-1/2	std	AMG-2020	14048	54048
5/8	5/8	2	3-3/4	6	ext neck	AMGN-2020	16728	56728
5/8	5/8	2	no neck	6	no neck	AMG-2020-NN	19136	59136
5/8	5/8	2-1/4		5	long	AMG-2020-L	16067	56067
5/8	5/8	3		6	xl	AMG-2020-E	16068	56068

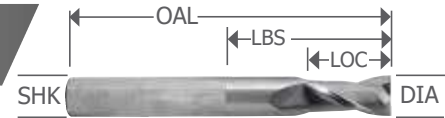
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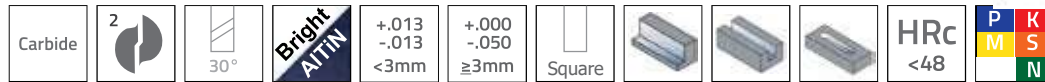
2 FLUTE • GENERAL PURPOSE END MILLS

SERIES: AMG



DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
11/16	3/4	1-3/8		4	std	AMG-2422	11918	51918
3/4	3/4	1		3	stub	AMGS-2424	16160	56160
3/4	3/4	1-1/2		4	std	AMG-2424	14050	54050
3/4	3/4	2	3-1/2	6	ext neck	AMGN-2424	16729	56729
3/4	3/4	2-1/4		5	long	AMG-2424-L	16069	56069
3/4	3/4	3		6	xl	AMG-2424-E	14052	54052
7/8	7/8	1-1/2		4	std	AMG-2828	16125	56125
1	1	1-1/2		4	std	AMG-3232	14054	54054
1	1	2	3-1/2	6	ext neck	AMGN-3232	16730	56730
1	1	2-1/4		5	long	AMG-3232-L	12755	52755
1	1	3		6	xl	AMG-3232-E	14056	54056
1	1	4		7	xxl	AMG-3232-EE	14027	54027

2 FLUTE • GENERAL PURPOSE END MILLS



SERIES: AMG-M_M_M_

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1mm	3mm	2mm	38mm	stub	AMGS-M3M1	13733	53733
1mm	3mm	3mm	38mm	std	AMG-M3M1	16935	56935
1.5mm	3mm	3mm	38mm	stub	AMGS-M3M1.5	14031	54031
1.5mm	3mm	6mm	38mm	std	AMG-M3M1.5	16936	56936
2mm	3mm	4mm	38mm	stub	AMGS-M3M2	13967	53967
2mm	3mm	9mm	38mm	std	AMG-M3M2	15987	55987
2.5mm	3mm	5mm	38mm	stub	AMGS-M3M2.5	14051	54051
2.5mm	3mm	12mm	38mm	std	AMG-M3M2.5	15988	55988
3mm	3mm	6mm	38mm	stub	AMGS-M3M3	13968	53968
3mm	3mm	12mm	38mm	std	AMG-M3M3	15989	55989
3mm	3mm	18mm	57mm	long	AMG-M3M3-L	13972	53972
3mm	6mm	12mm	63mm	std	AMG-M6M3	19750	59750
3.5mm	4mm	7mm	51mm	stub	AMGS-M4M3.5	14023	54023
3.5mm	4mm	12mm	51mm	std	AMG-M4M3.5	15990	55990
4mm	4mm	8mm	51mm	stub	AMGS-M4M4	13969	53969
4mm	4mm	14mm	51mm	std	AMG-M4M4	15991	55991
4mm	4mm	20mm	63mm	long	AMG-M4M4-L	13973	53973
4mm	6mm	14mm	63mm	std	AMG-M6M4	19751	59751
4.5mm	5mm	9mm	51mm	stub	AMGS-M5M4.5	10991	50991
4.5mm	5mm	14mm	51mm	std	AMG-M5M4.5	15992	55992
5mm	5mm	10mm	51mm	stub	AMGS-M5M5	13970	53970
5mm	5mm	20mm	51mm	std	AMG-M5M5	15993	55993
5mm	5mm	25mm	64mm	long	AMG-M5M5-L	13736	53736

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GENERAL PURPOSE CARBIDE END MILL

2 FLUTE • GENERAL PURPOSE END MILLS

SERIES: AMG-M_M_

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
5mm	6mm	20mm	63mm	std	AMG-M6M5	10588	50588
6mm	6mm	12mm	51mm	stub	AMGS-M6M6	13955	53955
6mm	6mm	20mm	63mm	std	AMG-M6M6	15994	55994
6mm	6mm	28mm	75mm	long	AMG-M6M6-L	13961	53961
7mm	8mm	12mm	51mm	stub	AMGS-M8M7	13734	53734
7mm	8mm	20mm	63mm	std	AMG-M8M7	15995	55995
8mm	8mm	12mm	51mm	stub	AMGS-M8M8	13735	53735
8mm	8mm	20mm	63mm	std	AMG-M8M8	15996	55996
8mm	8mm	32mm	75mm	long	AMG-M8M8-L	13974	53974
9mm	10mm	14mm	51mm	stub	AMGS-M10M9	10264	50264
9mm	10mm	22mm	70mm	std	AMG-M10M9	15997	55997
10mm	10mm	14mm	51mm	stub	AMGS-M10M10	13971	53971
10mm	10mm	25mm	70mm	std	AMG-M10M10	15998	55998
10mm	10mm	38mm	76mm	med	AMG-M10M10-M	13965	53965
10mm	10mm	40mm	100mm	long	AMG-M10M10-L	13953	53953
11mm	12mm	25mm	76mm	std	AMG-M12M11	10218	50218
12mm	12mm	25mm	76mm	std	AMG-M12M12	15999	55999
12mm	12mm	50mm	100mm	long	AMG-M12M12-L	13975	53975
14mm	14mm	32mm	89mm	std	AMG-M14M14	16926	56926
16mm	16mm	32mm	89mm	std	AMG-M16M16	16927	56927
16mm	16mm	57mm	127mm	long	AMG-M16M16-L	19752	59752
18mm	18mm	38mm	100mm	std	AMG-M18M18	16928	56928
18mm	18mm	57mm	127mm	long	AMG-M18M18-L	14059	54059
20mm	20mm	38mm	100mm	std	AMG-M20M20	16929	56929
20mm	20mm	57mm	127mm	long	AMG-M20M20-L	19753	59753
22mm	22mm	38mm	100mm	std	AMG-M22M22	16930	56930
25mm	25mm	38mm	100mm	std	AMG-M25M25	16931	56931

2 FLUTE • GENERAL PURPOSE METRIC/INCH END MILLS



SERIES: AMG-_M_

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
3mm	1/8	3/8	1-1/2	std	AMG-4M3	15967	55967
4mm	3/16	1/2	2	std	AMG-6M4	15968	55968
5mm	1/4	5/8	2-1/2	std	AMG-8M5	15969	55969
6mm	1/4	5/8	2-1/2	std	AMG-8M6	15970	55970
7mm	5/16	3/4	2-1/2	std	AMG-10M7	15971	55971
8mm	3/8	7/8	2-1/2	std	AMG-12M8	15972	55972
9mm	3/8	7/8	2-1/2	std	AMG-12M9	15973	55973
10mm	7/16	1	2-3/4	std	AMG-14M10	15974	55974
11mm	7/16	1	2-3/4	std	AMG-14M11	15975	55975
12mm	1/2	1	3	std	AMG-16M12	15976	55976

GENERAL PURPOSE CARBIDE END MILL

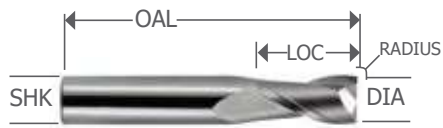
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2 FLUTE • CORNER RADIUS END MILLS



SERIES: AMG-__-R__

DIA	SHK	LOC	OAL	RADIUS	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
3/32	1/8	3/8	1-1/2	.010	std	AMG-403-R010	10584	50584
3/32	1/8	3/8	1-1/2	.015	std	AMG-403-R015	10809	50809
1/8	1/8	1/2	1-1/2	.010	std	AMG-404-R010	11328	51328
1/8	1/8	1/2	1-1/2	.015	std	AMG-404-R015	15300	55300
1/8	1/8	1/2	1-1/2	.020	std	AMG-404-R020	11329	51329
1/8	1/8	1/2	1-1/2	.030	std	AMG-404-R030	11330	51330
3/16	3/16	5/8	2	.010	std	AMG-606-R010	11331	51331
3/16	3/16	5/8	2	.015	std	AMG-606-R015	11551	51551
3/16	3/16	5/8	2	.020	std	AMG-606-R020	15302	55302
3/16	3/16	5/8	2	.030	std	AMG-606-R030	15304	55304
3/16	3/16	5/8	2	.045	std	AMG-606-R045	11336	51336
3/16	3/16	5/8	2	.060	std	AMG-606-R060	11343	51343
1/4	1/4	3/4	2-1/2	.010	std	AMG-808-R010	11345	51345
1/4	1/4	3/4	2-1/2	.015	std	AMG-808-R015	16322	56322
1/4	1/4	3/4	2-1/2	.020	std	AMG-808-R020	15306	55306
1/4	1/4	3/4	2-1/2	.030	std	AMG-808-R030	15308	55308
1/4	1/4	3/4	2-1/2	.045	std	AMG-808-R045	15310	55310
1/4	1/4	3/4	2-1/2	.060	std	AMG-808-R060	11348	51348
5/16	5/16	13/16	2-1/2	.020	std	AMG-1010-R020	15312	55312
5/16	5/16	13/16	2-1/2	.030	std	AMG-1010-R030	15314	55314
5/16	5/16	13/16	2-1/2	.045	std	AMG-1010-R045	15316	55316
3/8	3/8	1	2-1/2	.020	std	AMG-1212-R020	15318	55318
3/8	3/8	1	2-1/2	.030	std	AMG-1212-R030	15320	55320
3/8	3/8	1	2-1/2	.045	std	AMG-1212-R045	15322	55322
3/8	3/8	1	2-1/2	.060	std	AMG-1212-R060	11349	51349
1/2	1/2	1	3	.020	std	AMG-1616-R020	15324	55324
1/2	1/2	1	3	.030	std	AMG-1616-R030	15326	55326
1/2	1/2	1	3	.045	std	AMG-1616-R045	15328	55328
1/2	1/2	1	3	.060	std	AMG-1616-R060	15330	55330
1/2	1/2	1	3	.090	std	AMG-1616-R090	11576	51576
1/2	1/2	1	3	.125	std	AMG-1616-R125	11579	51579
5/8	5/8	1-1/4	3-1/2	.020	std	AMG-2020-R020	15332	55332
5/8	5/8	1-1/4	3-1/2	.030	std	AMG-2020-R030	15334	55334
5/8	5/8	1-1/4	3-1/2	.045	std	AMG-2020-R045	15336	55336
5/8	5/8	1-1/4	3-1/2	.060	std	AMG-2020-R060	15338	55338
5/8	5/8	1-1/4	3-1/2	.090	std	AMG-2020-R090	15340	55340
3/4	3/4	1-1/2	4	.020	std	AMG-2424-R020	15342	55342
3/4	3/4	1-1/2	4	.030	std	AMG-2424-R030	15344	55344
3/4	3/4	1-1/2	4	.045	std	AMG-2424-R045	15346	55346
3/4	3/4	1-1/2	4	.060	std	AMG-2424-R060	15348	55348
3/4	3/4	1-1/2	4	.090	std	AMG-2424-R090	15350	55350
3/4	3/4	1-1/2	4	.125	std	AMG-2424-R125	15352	55352
1	1	1-1/2	4	.020	std	AMG-3232-R020	15354	55354
1	1	1-1/2	4	.030	std	AMG-3232-R030	15356	55356
1	1	1-1/2	4	.045	std	AMG-3232-R045	15358	55358
1	1	1-1/2	4	.060	std	AMG-3232-R060	15428	55428
1	1	1-1/2	4	.090	std	AMG-3232-R090	15430	55430
1	1	1-1/2	4	.125	std	AMG-3232-R125	15432	55432



GENERAL PURPOSE CARBIDE END MILL

2 FLUTE • CORNER RADIUS END MILLS



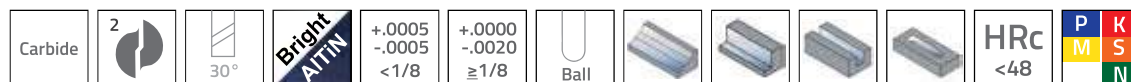
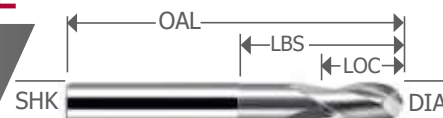
SERIES: AMG-M_M_-R_ _

DIA	SHK	LOC	OAL	RADIUS	LENGTH	TOOL	BRIGHT EDP	ALTiN EDP
2mm	3mm	9mm	38mm	0.4mm	std	AMG-M3M2-R0.4	16851	56851
2.5mm	3mm	12mm	38mm	0.4mm	std	AMG-M3M2.5-R0.4	16852	56852
3mm	3mm	12mm	38mm	0.4mm	std	AMG-M3M3-R0.4	16853	56853
3.5mm	4mm	12mm	50mm	0.4mm	std	AMG-M4M3.5-R0.4	16854	56854
4mm	4mm	14mm	50mm	0.4mm	std	AMG-M4M4-R0.4	16855	56855
4.5mm	5mm	14mm	50mm	0.4mm	std	AMG-M5M4.5-R0.4	16856	56856
5mm	5mm	20mm	50mm	0.4mm	std	AMG-M5M5-R0.4	16857	56857
6mm	6mm	20mm	63mm	0.5mm	std	AMG-M6M6-R0.5	16858	56858
7mm	8mm	22mm	63mm	0.5mm	std	AMG-M8M7-R0.5	16859	56859
8mm	8mm	22mm	63mm	0.5mm	std	AMG-M8M8-R0.5	16860	56860
9mm	10mm	22mm	70mm	0.7mm	std	AMG-M10M9-R0.7	16861	56861
10mm	10mm	25mm	70mm	0.7mm	std	AMG-M10M10-R0.7	16862	56862
12mm	12mm	25mm	76mm	0.7mm	std	AMG-M12M12-R0.7	16863	56863
14mm	14mm	32mm	89mm	0.8mm	std	AMG-M14M14-R0.8	16864	56864
16mm	16mm	38mm	89mm	0.8mm	std	AMG-M16M16-R0.8	16865	56865
20mm	20mm	38mm	100mm	1.0mm	std	AMG-M20M20-R1.0	16867	56867

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SERIES: AMG-__-B

DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTiN EDP
1/64	1/8	3/64		1-1/2	std	AMG-400-1/2-B	13487	53487
1/32	1/8	1/16		1-1/2	stub	AMGS-401-B	16161	56161
1/32	1/8	3/32		1-1/2	std	AMG-401-B	15904	55904
3/64	1/8	3/32		1-1/2	stub	AMGS-401-1/2-B	16162	56162
3/64	1/8	1/8		1-1/2	std	AMG-401-1/2-B	15905	55905
1/16	1/8	1/8		1-1/2	stub	AMGS-402-B	16163	56163
1/16	1/8	3/16		1-1/2	std	AMG-402-B	15906	55906
1/16	1/8	3/8		1-1/2	long	AMG-402-LB	19537	59537
5/64	1/8	3/16		1-1/2	std	AMG-402-1/2-B	15907	55907
3/32	1/8	3/16		1-1/2	stub	AMGS-403-B	16164	56164
3/32	1/8	3/8		1-1/2	std	AMG-403-B	15908	55908
7/64	1/8	3/8		1-1/2	std	AMG-403-1/2-B	15909	55909
1/8	1/8	1/4		1-1/2	stub	AMGS-404-B	16165	56165
1/8	1/8	1/2		1-1/2	std	AMG-404-B	14058	54058
1/8	1/8	5/8	1	2	ext neck	AMGN-404-B	16749	56749
1/8	1/8	3/4		2-1/4	med	AMG-404-MB	11127	51127
1/8	1/8	3/4		3	long	AMG-404-LB	16110	56110
1/8	1/8	1		3	xl	AMG-404-EB	16176	56176
9/64	3/16	9/16		2	std	AMG-604-1/2-B	16126	56126
5/32	3/16	5/16		1-1/2	stub	AMGS-605-B	16166	56166
5/32	3/16	9/16		2	std	AMG-605-B	15910	55910
11/64	3/16	9/16		2	std	AMG-605-1/2-B	16127	56127
3/16	3/16	3/8		1-1/2	stub	AMGS-606-B	16167	56167
3/16	3/16	5/8		2	std	AMG-606-B	14060	54060
3/16	3/16	3/4		2-1/2	med	AMG-606-MB	19554	59554
3/16	3/16	3/4		3	long	AMG-606-LB	16111	56111
3/16	3/16	1	1-5/8	3	ext neck	AMGN-606-B	16750	56750
3/16	3/16	1	2-5/8	4	ext neck	AMGN-606-2B	16751	56751
3/16	3/16	1-1/8		3	xl	AMG-606-EB	16177	56177
13/64	1/4	5/8		2-1/2	std	AMG-806-1/2-B	16128	56128
7/32	1/4	1/2		2	stub	AMGS-807-B	16168	56168
7/32	1/4	5/8		2-1/2	std	AMG-807-B	15911	55911
15/64	1/4	3/4		2-1/2	std	AMG-807-1/2-B	16129	56129
1/4	1/4	1/2		2	stub	AMGS-808-B	16169	56169
1/4	1/4	3/4		2-1/2	std	AMG-808-B	14062	54062
1/4	1/4	1	2-1/4	4	ext neck	AMGN-808-B	16752	56752
1/4	1/4	1-1/8		3	long	AMG-808-LB	16112	56112
1/4	1/4	1-1/2		4	xl	AMG-808-EB	16178	56178
1/4	1/4	1-1/2	4-1/4	6	ext neck	AMGN-808-2B	16753	56753
17/64	5/16	3/4		2-1/2	std	AMG-1008-1/2-B	16130	56130
9/32	5/16	3/4		2-1/2	std	AMG-1009-B	15912	55912
19/64	5/16	13/16		2-1/2	std	AMG-1009-1/2-B	16131	56131
5/16	5/16	1/2		2	stub	AMGS-1010-B	16170	56170
5/16	5/16	13/16		2-1/2	std	AMG-1010-B	14064	54064
5/16	5/16	1-1/8		3	long	AMG-1010-LB	16113	56113
5/16	5/16	1-5/8		4	xl	AMG-1010-EB	16179	56179
5/16	5/16	1	2-5/16	4	ext neck	AMGN-1010-B	16754	56754

sizes continued on next page

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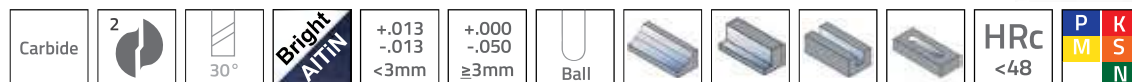
SERIES: AMG-__-B

DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
5/16	5/16	1-1/2	4-5/16	6	ext neck	AMGN-1010-2B	16755	56755
21/64	3/8	7/8		2-1/2	std	AMG-1210-1/2-B	16132	56132
11/32	3/8	7/8		2-1/2	std	AMG-1211-B	16133	56133
23/64	3/8	7/8		2-1/2	std	AMG-1211-1/2-B	16134	56134
3/8	3/8	5/8		2	stub	AMGS-1212-B	16171	56171
3/8	3/8	1		2-1/2	std	AMG-1212-B	14066	54066
3/8	3/8	1	2-3/8	4	ext neck	AMGN-1212-B	16756	56756
3/8	3/8	1-1/8		3	long	AMG-1212-LB	16114	56114
3/8	3/8	1-1/2	4-3/8	6	ext neck	AMGN-1212-2B	16757	56757
3/8	3/8	1-3/4		4	xl	AMG-1212-EB	16180	56180
25/64	7/16	1		2-3/4	std	AMG-1412-1/2-B	16135	56135
13/32	7/16	1		2-3/4	std	AMG-1413-B	16136	56136
27/64	7/16	1		2-3/4	std	AMG-1413-1/2-B	16137	56137
7/16	7/16	5/8		2-1/2	stub	AMGS-1414-B	16172	56172
7/16	7/16	1		2-3/4	std	AMG-1414-B	15913	55913
7/16	7/16	1	2-1/4	4	ext neck	AMGN-1414-B	16758	56758
7/16	7/16	1-1/2	4-1/4	6	ext neck	AMGN-1414-2B	16759	56759
7/16	7/16	2		4	long	AMG-1414-LB	16115	56115
7/16	7/16	3		6	xl	AMG-1414-EB	16181	56181
29/64	1/2	1		3	std	AMG-1614-1/2-B	16138	56138
15/32	1/2	1		3	std	AMG-1615-B	16139	56139
31/64	1/2	1		3	std	AMG-1615-1/2-B	16140	56140
1/2	1/2	5/8		2-1/2	stub	AMGS-1616-B	16173	56173
1/2	1/2	1		3	std	AMG-1616-B	14068	54068
1/2	1/2	1	2	4	ext neck	AMGN-1616-B	16760	56760
1/2	1/2	1-1/2	4	6	ext neck	AMGN-1616-2B	16761	56761
1/2	1/2	2		4	long	AMG-1616-LB	16116	56116
1/2	1/2	3		6	xl	AMG-1616-EB	16182	56182
9/16	9/16	1-1/4		3-1/2	std	AMG-1818-B	16141	56141
9/16	9/16	2	3-3/4	6	ext neck	AMGN-1818-B	16762	56762
5/8	5/8	3/4		3	stub	AMGS-2020-B	16174	56174
5/8	5/8	1-1/4		3-1/2	std	AMG-2020-B	16142	56142
5/8	5/8	2	3-3/4	6	ext neck	AMGN-2020-B	16764	56764
5/8	5/8	2-1/4		5	long	AMG-2020-LB	16117	56117
5/8	5/8	3		6	xl	AMG-2020-EB	16183	56183
11/16	3/4	1-3/8		4	std	AMG-2422-B	19575	59575
3/4	3/4	1		3	stub	AMGS-2424-B	16175	56175
3/4	3/4	1-1/2		4	std	AMG-2424-B	16143	56143
3/4	3/4	2	3-1/2	6	ext neck	AMGN-2424-B	16765	56765
3/4	3/4	2-1/4		5	long	AMG-2424-LB	16118	56118
3/4	3/4	3		6	xl	AMG-2424-EB	16184	56184
7/8	7/8	1-1/2		4	std	AMG-2828-B	16144	56144
1	1	1-1/2		4	std	AMG-3232-B	16145	56145
1	1	2	3-1/2	6	ext neck	AMGN-3232-B	16766	56766
1	1	3		6	xl	AMG-3232-EB	16185	56185

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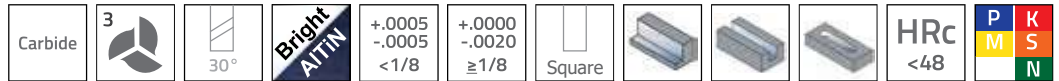
SERIES: AMG-M_M_-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTiN EDP
1mm	3mm	2mm	38mm	stub	AMGS-M3M1-B	13976	53976
1mm	3mm	3mm	38mm	std	AMG-M3M1-B	16805	56805
1.5mm	3mm	3mm	38mm	stub	AMGS-M3M1.5-B	14033	54033
1.5mm	3mm	6mm	38mm	std	AMG-M3M1.5-B	16806	56806
2mm	3mm	4mm	38mm	stub	AMGS-M3M2-B	13739	53739
2mm	3mm	9mm	38mm	std	AMG-M3M2-B	16555	56555
2.5mm	3mm	5mm	38mm	stub	AMGS-M3M2.5-B	14063	54063
2.5mm	3mm	12mm	38mm	std	AMG-M3M2.5-B	16556	56556
3mm	3mm	6mm	38mm	stub	AMGS-M3M3-B	13977	53977
3mm	3mm	12mm	38mm	std	AMG-M3M3-B	16557	56557
3mm	3mm	18mm	57mm	long	AMG-M3M3-LB	13979	53979
3.5mm	4mm	7mm	51mm	stub	AMGS-M4M3.5-B	14043	54043
3.5mm	4mm	12mm	51mm	std	AMG-M4M3.5-B	16558	56558
4mm	4mm	8mm	51mm	stub	AMGS-M4M4-B	13963	53963
4mm	4mm	14mm	51mm	std	AMG-M4M4-B	16559	56559
4mm	4mm	20mm	63mm	long	AMG-M4M4-LB	19755	59755
4.5mm	5mm	14mm	51mm	std	AMG-M5M4.5-B	16560	56560
5mm	5mm	10mm	51mm	stub	AMGS-M5M5-B	13956	53956
5mm	5mm	20mm	51mm	std	AMG-M5M5-B	16561	56561
5mm	5mm	25mm	64mm	long	AMG-M5M5-LB	13743	53743
6mm	6mm	12mm	51mm	stub	AMGS-M6M6-B	13740	53740
6mm	6mm	20mm	63mm	std	AMG-M6M6-B	16562	56562
6mm	6mm	28mm	75mm	long	AMG-M6M6-LB	13954	53954
7mm	8mm	12mm	51mm	stub	AMGS-M8M7-B	14045	54045
7mm	8mm	20mm	63mm	std	AMG-M8M7-B	16563	56563
8mm	8mm	12mm	51mm	stub	AMGS-M8M8-B	13741	53741
8mm	8mm	20mm	63mm	std	AMG-M8M8-B	16564	56564
8mm	8mm	32mm	75mm	long	AMG-M8M8-LB	19756	59756
9mm	10mm	22mm	70mm	std	AMG-M10M9-B	16565	56565
10mm	10mm	14mm	51mm	stub	AMGS-M10M10-B	13978	53978
10mm	10mm	25mm	70mm	std	AMG-M10M10-B	16566	56566
10mm	10mm	31mm	76mm	med	AMG-M10M10-MB	19757	59757
10mm	10mm	40mm	100mm	long	AMG-M10M10-LB	19758	59758
11mm	12mm	25mm	76mm	std	AMG-M12M11-B	14067	54067
12mm	12mm	25mm	76mm	std	AMG-M12M12-B	16567	56567
12mm	12mm	50mm	100mm	long	AMG-M12M12-LB	13980	53980
14mm	14mm	32mm	89mm	std	AMG-M14M14-B	16568	56568
16mm	16mm	32mm	89mm	std	AMG-M16M16-B	16569	56569
16mm	16mm	57mm	127mm	long	AMG-M16M16-LB	19759	59759
18mm	18mm	38mm	100mm	std	AMG-M18M18-B	16570	56570
18mm	18mm	57mm	127mm	long	AMG-M18M18-LB	19760	59760
20mm	20mm	38mm	100mm	std	AMG-M20M20-B	16571	56571
20mm	20mm	57mm	127mm	long	AMG-M20M20-LB	19761	59761
22mm	22mm	38mm	100mm	std	AMG-M22M22-B	16807	56807
25mm	25mm	38mm	100mm	std	AMG-M25M25-B	16808	56808



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SERIES: EMG

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTiN EDP
1/32	1/8	1/16	1-1/2	stub	EMGS-401	17791	57791
1/32	1/8	3/32	1-1/2	std	EMG-401	17792	57792
3/64	1/8	3/32	1-1/2	stub	EMGS-401-1/2	17793	57793
3/64	1/8	1/8	1-1/2	std	EMG-401-1/2	17794	57794
1/16	1/8	1/8	1-1/2	stub	EMGS-402	17795	57795
1/16	1/8	3/16	1-1/2	std	EMG-402	17638	57638
1/16	1/8	1/4	1-1/2	med	EMG-402-M	19137	59137
5/64	1/8	3/16	1-1/2	std	EMG-402-1/2	17796	57796
5/64	1/8	1/4	1-1/2	med	EMG-402-1/2-M	19138	59138
3/32	1/8	3/16	1-1/2	stub	EMGS-403	17797	57797
3/32	1/8	3/8	1-1/2	std	EMG-403	17639	57639
7/64	1/8	3/8	1-1/2	std	EMG-403-1/2	17798	57798
1/8	1/8	1/4	1-1/2	stub	EMGS-404	17799	57799
1/8	1/8	1/2	1-1/2	std	EMG-404	17640	57640
1/8	1/8	3/4	2-1/4	med/long	EMG-404-ML	19730	59730
1/8	1/8	3/4	3	long	EMG-404-L	17800	57800
1/8	1/8	1	3	xl	EMG-404-E	19566	59566
9/64	3/16	1/2	2	std	EMG-604-1/2	14049	54049
5/32	3/16	9/16	2	std	EMG-605	17641	57641
3/16	3/16	3/8	1-1/2	stub	EMGS-606	17801	57801
3/16	3/16	5/8	2	std	EMG-606	17642	57642
3/16	3/16	3/4	2-1/2	med/long	EMG-606-ML	19731	59731
3/16	3/16	3/4	3	long	EMG-606-L	17802	57802
3/16	3/16	1-1/8	3	xl	EMG-606-E	19567	59567
13/64	1/4	5/8	2-1/2	std	EMG-806-1/2	10586	50586
7/32	1/4	5/8	2-1/2	std	EMG-807	13744	53744
15/64	1/4	3/4	2-1/2	std	EMG-807-1/2	14039	54039
1/4	1/4	1/2	2	stub	EMGS-808	17803	57803
1/4	1/4	3/4	2-1/2	std	EMG-808	17644	57644
1/4	1/4	1-1/8	3	long	EMG-808-L	17804	57804
1/4	1/4	1-1/2	4	xl	EMG-808-E	19568	59568
17/64	5/16	3/4	2-1/2	std	EMG-1008-1/2	13745	53745
9/32	5/16	3/4	2-1/2	std	EMG-1009	13746	53746
19/64	5/16	13/16	2-1/2	std	EMG-1009-1/2	13952	53952
5/16	5/16	1/2	2	stub	EMGS-1010	17805	57805
5/16	5/16	13/16	2-1/2	std	EMG-1010	17646	57646
5/16	5/16	1-1/8	3	long	EMG-1010-L	17806	57806
5/16	5/16	1-5/8	4	xl	EMG-1010-E	19569	59569
11/32	3/8	7/8	2-1/2	std	EMG-1211	12890	52890
3/8	3/8	5/8	2	stub	EMGS-1212	17807	57807
3/8	3/8	1	2-1/2	std	EMG-1212	17648	57648
3/8	3/8	1-1/8	3	long	EMG-1212-L	17808	57808
3/8	3/8	1-3/4	4	xl	EMG-1212-E	19570	59570
13/32	7/16	1	2-3/4	std	EMG-1413	12807	52807
7/16	7/16	1	2-3/4	std	EMG-1414	17650	57650
7/16	7/16	2	4	long	EMG-1414-L	19571	59571
1/2	1/2	5/8	2-1/2	stub	EMGS-1616	17809	57809
1/2	1/2	1	3	std	EMG-1616	17652	57652
1/2	1/2	2	4	long	EMG-1616-L	17810	57810
1/2	1/2	3	6	xl	EMG-1616-E	19572	59572
9/16	9/16	1-1/4	3-1/2	std	EMG-1818	11299	51299
5/8	5/8	3/4	3	stub	EMGS-2020	17811	57811
5/8	5/8	1-1/4	3-1/2	std	EMG-2020	17654	57654
5/8	5/8	2-1/4	5	long	EMG-2020-L	17812	57812
5/8	5/8	3	6	xl	EMG-2020-E	19573	59573

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GENERAL PURPOSE CARBIDE END MILL

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3 FLUTE • GENERAL PURPOSE END MILLS

SERIES: EMG



DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
11/16	3/4	1-3/8	4	std	EMG-2422	12795	52795
3/4	3/4	1-1/2	4	std	EMG-2424	17655	57655
3/4	3/4	2-1/4	5	long	EMG-2424-L	11189	51189
3/4	3/4	3	6	xl	EMG-2424-E	19574	59574
7/8	7/8	1-1/2	4	std	EMG-2828	14041	54041
1	1	1-1/2	4	std	EMG-3232	11191	51191

3 FLUTE • GENERAL PURPOSE END MILLS



SERIES: EMG-M_M_

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1mm	3mm	3mm	38mm	std	EMG-M3M1	16809	56809
1.5mm	3mm	6mm	38mm	std	EMG-M3M1.5	16810	56810
2mm	3mm	9mm	38mm	std	EMG-M3M2	16811	56811
2.5mm	3mm	12mm	38mm	std	EMG-M3M2.5	16812	56812
3mm	3mm	12mm	38mm	std	EMG-M3M3	16813	56813
3.5mm	4mm	12mm	51mm	std	EMG-M4M3.5	16814	56814
4mm	4mm	14mm	51mm	std	EMG-M4M4	16815	56815
4.5mm	5mm	14mm	51mm	std	EMG-M5M4.5	16816	56816
5mm	5mm	20mm	51mm	std	EMG-M5M5	16817	56817
6mm	6mm	20mm	63mm	std	EMG-M6M6	16818	56818
6mm	6mm	25mm	100mm	med	EMG-M6M6-ML	14787	54787
7mm	8mm	20mm	63mm	std	EMG-M8M7	16819	56819
8mm	8mm	20mm	63mm	std	EMG-M8M8	16820	56820
8mm	8mm	50mm	150mm	xl	EMG-M8M8-E	14788	54788
9mm	10mm	22mm	70mm	std	EMG-M10M9	16821	56821
10mm	10mm	25mm	70mm	std	EMG-M10M10	16822	56822
10mm	10mm	50mm	100mm	x long	EMG-M10M10-LL	14779	54779
10mm	10mm	75mm	150mm	xl	EMG-M10M10-E	14780	54780
12mm	12mm	25mm	76mm	std	EMG-M12M12	16823	56823
14mm	14mm	32mm	89mm	std	EMG-M14M14	16824	56824
14mm	14mm	50mm	100mm	med	EMG-M14M14-ML	14783	54783
16mm	16mm	32mm	89mm	std	EMG-M16M16	16825	56825
16mm	16mm	75mm	150mm	xl	EMG-M16M16-E	14784	54784
18mm	18mm	38mm	100mm	std	EMG-M18M18	16826	56826
18mm	18mm	50mm	150mm	x long	EMG-M18M18-LL	14786	54786
18mm	18mm	75mm	150mm	xl	EMG-M18M18-E	14785	54785
20mm	20mm	38mm	100mm	std	EMG-M20M20	16827	56827
22mm	22mm	38mm	100mm	std	EMG-M22M22	16828	56828
25mm	25mm	38mm	100mm	std	EMG-M25M25	16829	56829

GENERAL PURPOSE CARBIDE END MILL



3 FLUTE • GENERAL PURPOSE BALL NOSE END MILLS



SERIES: EMG-__-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTiN EDP
1/64	1/8	3/64	1-1/2	std	EMG-400-1/2-B	19577	59577
1/32	1/8	1/16	1-1/2	stub	EMGS-401-B	17814	57814
1/32	1/8	3/32	1-1/2	std	EMG-401-B	17815	57815
3/64	1/8	3/32	1-1/2	stub	EMGS-401-1/2-B	17816	57816
3/64	1/8	1/8	1-1/2	std	EMG-401-1/2-B	17817	57817
1/16	1/8	1/8	1-1/2	stub	EMGS-402-B	17818	57818
1/16	1/8	3/16	1-1/2	std	EMG-402-B	17819	57819
5/64	1/8	3/16	1-1/2	std	EMG-402-1/2-B	17820	57820
3/32	1/8	3/16	1-1/2	stub	EMGS-403-B	17821	57821
3/32	1/8	3/8	1-1/2	std	EMG-403-B	17822	57822
7/64	1/8	3/8	1-1/2	std	EMG-403-1/2-B	17823	57823
1/8	1/8	1/4	1-1/2	stub	EMGS-404-B	17824	57824
1/8	1/8	1/2	1-1/2	std	EMG-404-B	17825	57825
1/8	1/8	3/4	2-1/4	med	EMG-404-MB	19557	59557
1/8	1/8	3/4	3	long	EMG-404-LB	17826	57826
1/8	1/8	1	3	xl	EMG-404-EB	19578	59578
9/64	3/16	1/2	2	std	EMG-604-1/2-B	10322	50322
5/32	3/16	9/16	2	std	EMG-605-B	17827	57827
11/64	3/16	9/16	2	std	EMG-605-1/2-B	10288	50288
3/16	3/16	5/16	1-1/2	stub	EMGS-606-B	17828	57828
3/16	3/16	5/8	2	std	EMG-606-B	17829	57829
3/16	3/16	3/4	2-1/2	med	EMG-606-MB	19558	59558
3/16	3/16	3/4	3	long	EMG-606-LB	17830	57830
3/16	3/16	1-1/8	3	xl	EMG-606-EB	19581	59581
13/64	1/4	5/8	2-1/2	std	EMG-806-1/2-B	10348	50348
7/32	1/4	5/8	2-1/2	std	EMG-807-B	14061	54061
15/64	1/4	3/4	2-1/2	std	EMG-807-1/2-B	19584	59584
1/4	1/4	1/2	2	stub	EMGS-808-B	17831	57831
1/4	1/4	3/4	2-1/2	std	EMG-808-B	17832	57832
1/4	1/4	1-1/8	3	long	EMG-808-LB	17833	57833
1/4	1/4	1-1/2	4	xl	EMG-808-EB	19585	59585
17/64	5/16	3/4	2-1/2	std	EMG-1008-1/2-B	19586	59586
9/32	5/16	3/4	2-1/2	std	EMG-1009-B	19587	59587
19/64	5/16	13/16	2-1/2	std	EMG-1009-1/2-B	19588	59588
5/16	5/16	1/2	2	stub	EMGS-1010-B	17834	57834
5/16	5/16	13/16	2-1/2	std	EMG-1010-B	17835	57835
5/16	5/16	1-1/8	3	long	EMG-1010-LB	17836	57836
5/16	5/16	1-5/8	4	xl	EMG-1010-EB	19589	59589
21/64	3/8	7/8	2-1/2	std	EMG-1210-1/2-B	19590	59590
11/32	3/8	7/8	2-1/2	std	EMG-1211-B	19591	59591
23/64	3/8	7/8	2-1/2	std	EMG-1211-1/2-B	19592	59592
3/8	3/8	5/8	2	stub	EMGS-1212-B	17837	57837
3/8	3/8	1	2-1/2	std	EMG-1212-B	17838	57838
3/8	3/8	1-1/8	3	long	EMG-1212-LB	17839	57839
3/8	3/8	1-3/4	4	xl	EMG-1212-EB	19593	59593
13/32	7/16	1	2-3/4	std	EMG-1413-B	19594	59594
27/64	7/16	1	2-3/4	std	EMG-1413-1/2-B	19595	59595
7/16	7/16	1	2-3/4	std	EMG-1414-B	17840	57840
7/16	7/16	2	4	long	EMG-1414-LB	19596	59596
29/64	1/2	1	3	std	EMG-1614-1/2-B	19597	59597

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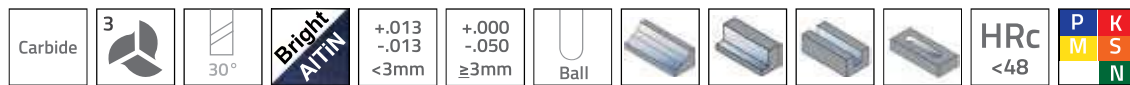
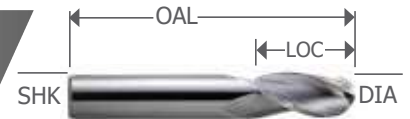
3 FLUTE • GENERAL PURPOSE BALL NOSE END MILLS



SERIES: EMG-__-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
15/32	1/2	1	3	std	EMG-1615-B	19598	59598
31/64	1/2	1	3	std	EMG-1615-1/2-B	19599	59599
1/2	1/2	5/8	2-1/2	stub	EMGS-1616-B	17841	57841
1/2	1/2	1	3	std	EMG-1616-B	17842	57842
1/2	1/2	2	4	long	EMG-1616-LB	17843	57843
1/2	1/2	3	6	xl	EMG-1616-EB	19559	59559
9/16	9/16	1-1/8	3-1/2	std	EMG-1818-B	19560	59560
5/8	5/8	3/4	3	stub	EMGS-2020-B	17844	57844
5/8	5/8	1-1/4	3-1/2	std	EMG-2020-B	17845	57845
5/8	5/8	2-1/4	5	long	EMG-2020-LB	17846	57846
5/8	5/8	3	6	xl	EMG-2020-EB	19561	59561
11/16	3/4	1-3/8	4	std	EMG-2422-B	19562	59562
3/4	3/4	1-1/2	4	std	EMG-2424-B	17847	57847
3/4	3/4	2-1/4	5	long	EMG-2424-LB	19563	59563
3/4	3/4	3	6	xl	EMG-2424-EB	19564	59564
7/8	7/8	1-1/2	4	std	EMG-2828-B	19565	59565
1	1	1-1/2	4	std	EMG-3232-B	11397	51397

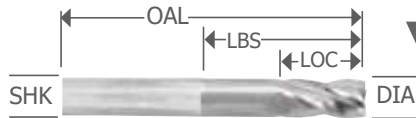
3 FLUTE • GENERAL PURPOSE BALL NOSE END MILLS



SERIES: EMG-M_M_-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1mm	3mm	3mm	38mm	std	EMG-M3M1-B	16830	56830
1.5mm	3mm	6mm	38mm	std	EMG-M3M1.5-B	16831	56831
2mm	3mm	9mm	38mm	std	EMG-M3M2-B	16832	56832
2.5mm	3mm	12mm	38mm	std	EMG-M3M2.5-B	16833	56833
3mm	3mm	12mm	38mm	std	EMG-M3M3-B	16834	56834
3.5mm	4mm	12mm	51mm	std	EMG-M4M3.5-B	16835	56835
4mm	4mm	14mm	51mm	std	EMG-M4M4-B	16836	56836
4.5mm	5mm	14mm	51mm	std	EMG-M5M4.5-B	16837	56837
5mm	5mm	20mm	51mm	std	EMG-M5M5-B	16838	56838
6mm	6mm	20mm	63mm	std	EMG-M6M6-B	16839	56839
7mm	8mm	20mm	63mm	std	EMG-M8M7-B	16840	56840
8mm	8mm	20mm	63mm	std	EMG-M8M8-B	16841	56841
9mm	10mm	22mm	70mm	std	EMG-M10M9-B	16842	56842
10mm	10mm	25mm	70mm	std	EMG-M10M10-B	16843	56843
12mm	12mm	25mm	76mm	std	EMG-M12M12-B	16844	56844
14mm	14mm	32mm	89mm	std	EMG-M14M14-B	16845	56845
16mm	16mm	32mm	89mm	std	EMG-M16M16-B	16846	56846
18mm	18mm	38mm	100mm	std	EMG-M18M18-B	16847	56847
20mm	20mm	38mm	100mm	std	EMG-M20M20-B	16848	56848
22mm	22mm	38mm	100mm	std	EMG-M22M22-B	16849	56849
25mm	25mm	38mm	100mm	std	EMG-M25M25-B	16850	56850

GENERAL PURPOSE CARBIDE END MILL



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SERIES: CCMG

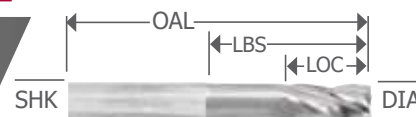
DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/64	1/8	3/64		1-1/2	std	CCMG-400-1/2	13386	53386
1/32	1/8	1/16		1-1/2	stub	CCMGS-401	16224	56224
1/32	1/8	3/32		1-1/2	std	CCMG-401	14121	54121
1/32	1/8	9/64		1-1/2	long	CCMG-401-L	19139	59139
1/32	1/8	0.150		2-1/2	long	CCMG-401-LF	12382	52382
3/64	1/8	3/32		1-1/2	stub	CCMGS-401-1/2	16225	56225
3/64	1/8	1/8		1-1/2	std	CCMG-401-1/2	14122	54122
3/64	1/8	3/16		1-1/2	long	CCMG-401-1/2-L	12365	52365
3/64	1/8	1/4		2-1/2	long	CCMG-401-1/2-LF	12385	52385
1/16	1/8	1/8		1-1/2	stub	CCMGS-402	16226	56226
1/16	1/8	3/16		1-1/2	std	CCMG-402	14124	54124
1/16	1/8	1/4		1-1/2	med	CCMG-402-M	11040	51040
1/16	1/8	3/8		1-1/2	long	CCMG-402-L	17860	57860
1/16	1/8	1/2		2-1/2	long	CCMG-402-LF	12388	52388
5/64	1/8	1/8		1-1/2	stub	CCMGS-402-1/2	16595	56595
5/64	1/8	3/16		1-1/2	std	CCMG-402-1/2	14126	54126
5/64	1/8	1/4		1-1/2	med	CCMG-402-1/2-M	11042	51042
5/64	1/8	3/8		1-1/2	med/long	CCMG-402-1/2-ML	19149	59149
5/64	1/8	1/2		1-1/2	long	CCMG-402-1/2-L	19141	59141
5/64	1/8	1/2		2-1/2	long	CCMG-402-1/2-LF	10540	50540
3/32	1/8	3/16		1-1/2	stub	CCMGS-403	16227	56227
3/32	1/8	3/8		1-1/2	std	CCMG-403	14128	54128
3/32	1/8	3/8	3/4	2	ext neck	CCMGN-403	19142	59142
3/32	1/8	1/2		1-1/2	med	CCMG-403-M	19150	59150
3/32	1/8	9/16		3	long	CCMG-403-L	16186	56186
3/32	1/8	0.600		2-1/2	long	CCMG-403-LF	12589	52589
7/64	1/8	7/32		1-1/2	stub	CCMGS-403-1/2	14025	54025
7/64	1/8	3/8		1-1/2	std	CCMG-403-1/2	14130	54130
7/64	1/8	3/4		2	long	CCMG-403-1/2-L	19143	59143
1/8	1/8	1/4		1-1/2	stub	CCMGS-404	16228	56228
1/8	1/8	1/2		1-1/2	std	CCMG-404	14132	54132
1/8	1/8	5/8		2	med	CCMG-404-M	11489	51489
1/8	1/8	5/8	1	2	ext neck	CCMGN-404	16731	56731
1/8	1/8	3/4		2-1/4	med/long	CCMG-404-ML	12745	52745
1/8	1/8	3/4		3	long	CCMG-404-L	16071	56071
1/8	1/8	1		3	xl	CCMG-404-E	16072	56072
9/64	3/16	9/32		2	stub	CCMGS-604-1/2	10965	50965
9/64	3/16	9/16		2	std	CCMG-604-1/2	14134	54134
5/32	3/16	5/16		1-1/2	stub	CCMGS-605	16229	56229
5/32	3/16	9/16		2	std	CCMG-605	14136	54136
5/32	3/16	3/4		3	long	CCMG-605-L	16187	56187
11/64	3/16	9/16		2	std	CCMG-605-1/2	15919	55919
3/16	3/16	3/8		1-1/2	stub	CCMGS-606	16230	56230
3/16	3/16	5/8		2	std	CCMG-606	14138	54138
3/16	3/16	3/4		2-1/2	med/long	CCMG-606-ML	12747	52747
3/16	3/16	3/4		3	long	CCMG-606-L	16073	56073
3/16	3/16	1	1-5/8	3	ext neck	CCMGN-606	16732	56732
3/16	3/16	1	2-5/8	4	ext neck	CCMGN-606-2	16733	56733
3/16	3/16	1		4	no neck	CCMG-606-NN	11922	51922
3/16	3/16	1-1/8		3	xl	CCMG-606-E	16074	56074

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SERIES: CCMG

DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
13/64	1/4	5/8		2-1/2	std	CCMG-806-1/2	15920	55920
7/32	1/4	1/2		2	stub	CCMGS-807	16231	56231
7/32	1/4	5/8		2-1/2	std	CCMG-807	14140	54140
15/64	1/4	3/4		2-1/2	std	CCMG-807-1/2	15921	55921
1/4	1/4	1/2		2	stub	CCMGS-808	16232	56232
1/4	1/4	3/4		2-1/2	std	CCMG-808	14142	54142
1/4	1/4	1	2-1/4	4	ext neck	CCMGN-808	16734	56734
1/4	1/4	1-1/8		3	long	CCMG-808-L	14144	54144
1/4	1/4	1-1/2		4	xl	CCMG-808-E	14146	54146
1/4	1/4	1-1/2	4-1/4	6	ext neck	CCMGN-808-2	16735	56735
1/4	1/4	1-1/2	no neck	6	no neck	CCMG-808-NN	19144	59144
17/64	5/16	3/4		2-1/2	std	CCMG-1008-1/2	15922	55922
9/32	5/16	3/4		2-1/2	std	CCMG-1009	14148	54148
19/64	5/16	13/16		2-1/2	std	CCMG-1009-1/2	15923	55923
5/16	5/16	1/2		2	stub	CCMGS-1010	16233	56233
5/16	5/16	13/16		2-1/2	std	CCMG-1010	14150	54150
5/16	5/16	1	2-5/16	4	ext neck	CCMGN-1010	16736	56736
5/16	5/16	1-1/8		3	long	CCMG-1010-L	16075	56075
5/16	5/16	1-1/2	4-5/16	6	ext neck	CCMGN-1010-2	16737	56737
5/16	5/16	1-5/8		4	xl	CCMG-1010-E	16076	56076
21/64	3/8	7/8		2-1/2	std	CCMG-1210-1/2	16197	56197
11/32	3/8	7/8		2-1/2	std	CCMG-1211	15924	55924
23/64	3/8	7/8		2-1/2	std	CCMG-1211-1/2	16198	56198
3/8	3/8	5/8		2	stub	CCMGS-1212	16234	56234
3/8	3/8	1		2-1/2	std	CCMG-1212	14152	54152
3/8	3/8	1	2-3/8	4	ext neck	CCMGN-1212	16738	56738
3/8	3/8	1-1/8		3	long	CCMG-1212-L	14154	54154
3/8	3/8	1-1/2		6	xl	CCMG-1212-LL	11881	51881
3/8	3/8	1-1/2	4-3/8	6	ext neck	CCMGN-1212-2	16739	56739
3/8	3/8	1-1/2	no neck	6	no neck	CCMG-1212-NN	11940	51940
3/8	3/8	1-3/4		4	xl	CCMG-1212-E	14156	54156
3/8	3/8	2		4	xl	CCMG-1212-EL	19145	59145
3/8	3/8	3		6	xxl	CCMG-1212-EE	17735	57735
25/64	7/16	1		2-3/4	std	CCMG-1412-1/2	16199	56199
13/32	7/16	1		2-3/4	std	CCMG-1413	15925	55925
27/64	7/16	1		2-3/4	std	CCMG-1413-1/2	16200	56200
7/16	7/16	5/8		2-1/2	stub	CCMGS-1414	16235	56235
7/16	7/16	1		2-3/4	std	CCMG-1414	14158	54158
7/16	7/16	1	2-1/4	4	ext neck	CCMGN-1414	16740	56740
7/16	7/16	1-1/2	4-1/4	6	ext neck	CCMGN-1414-2	16741	56741
7/16	7/16	2		4	long	CCMG-1414-L	16077	56077
7/16	7/16	3		6	xl	CCMG-1414-E	16078	56078
29/64	1/2	1		3	std	CCMG-1614-1/2	16201	56201
15/32	1/2	1		3	std	CCMG-1615	15926	55926
31/64	1/2	1		3	std	CCMG-1615-1/2	16202	56202
1/2	1/2	5/8		2-1/2	stub	CCMGS-1616	16236	56236
1/2	1/2	1		3	std	CCMG-1616	14160	54160
1/2	1/2	1	2	4	ext neck	CCMGN-1616	16742	56742
1/2	1/2	1-1/4		3	med	CCMG-1616-M	16466	56466
1/2	1/2	1-1/2		4	med/long	CCMG-1616-ML	19146	59146

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GENERAL PURPOSE CARBIDE END MILL

4 FLUTE • GENERAL PURPOSE END MILLS

SERIES: CCMG

DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/2	1/2	1-1/2	4	6	ext neck	CCMGN-1616-2	16743	56743
1/2	1/2	1-1/2	no neck	6	no neck	CCMG-1616-NN	11941	51941
1/2	1/2	2		4	long	CCMG-1616-L	14162	54162
1/2	1/2	1-1/2		6	xl	CCMG-1616-LL	11883	51883
1/2	1/2	3		6	xl	CCMG-1616-E	14164	54164
17/32	9/16	1-1/4		3-1/2	std	CCMG-1817	16785	56785
9/16	9/16	1/2		3-1/2	stub	CCMGS-1818	12731	52731
9/16	9/16	1-1/4		3-1/2	std	CCMG-1818	15927	55927
9/16	9/16	2	3-3/4	6	ext neck	CCMGN-1818	16744	56744
5/8	5/8	3/4		3	stub	CCMGS-2020	16237	56237
5/8	5/8	1-1/4		3-1/2	std	CCMG-2020	14166	54166
5/8	5/8	2-1/4		5	long	CCMG-2020-L	16079	56079
5/8	5/8	2		6	xl	CCMG-2020-LL	11885	51885
5/8	5/8	2	3-3/4	6	ext neck	CCMGN-2020	16746	56746
5/8	5/8	3		6	xl	CCMG-2020-E	16080	56080
11/16	3/4	1-3/8		4	std	CCMG-2422	15723	55723
3/4	3/4	1		3	stub	CCMGS-2424	16238	56238
3/4	3/4	1-1/2		4	std	CCMG-2424	14168	54168
3/4	3/4	2	3-1/2	6	ext neck	CCMGN-2424	16747	56747
3/4	3/4	2	no neck	6	no neck	CCMG-2424-NN	19147	59147
3/4	3/4	2-1/4		5	long	CCMG-2424-L	16081	56081
3/4	3/4	3		6	xl	CCMG-2424-E	14170	54170
3/4	3/4	4		7	xxl	CCMG-2424-EE	17736	57736
7/8	7/8	1-1/2		4	std	CCMG-2828	16203	56203
1	1	1-1/2		4	std	CCMG-3232	14172	54172
1	1	2	3-1/2	6	ext neck	CCMGN-3232	16748	56748
1	1	2	no neck	6	no neck	CCMG-3232-NN	19148	59148
1	1	2-1/4		5	long	CCMG-3232-L	12749	52749
1	1	3		6	xl	CCMG-3232-E	14174	54174
1	1	4		7	xxl	CCMG-3232-EE	16315	56315

4 FLUTE • GENERAL PURPOSE METRIC/INCH END MILLS



SERIES: CCMG-_M_

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
3mm	1/8	3/8	1-1/2	std	CCMG-4M3	15977	55977
4mm	3/16	1/2	2	std	CCMG-6M4	15978	55978
5mm	1/4	5/8	2-1/2	std	CCMG-8M5	15979	55979
6mm	1/4	5/8	2-1/2	std	CCMG-8M6	15980	55980
7mm	5/16	3/4	2-1/2	std	CCMG-10M7	15981	55981
8mm	3/8	7/8	2-1/2	std	CCMG-12M8	15982	55982
9mm	3/8	7/8	2-1/2	std	CCMG-12M9	15983	55983
10mm	7/16	1	2-3/4	std	CCMG-14M10	15984	55984
11mm	7/16	1	2-3/4	std	CCMG-14M11	15985	55985
12mm	1/2	1	3	std	CCMG-16M12	15986	55986

GENERAL PURPOSE CARBIDE END MILL

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4 FLUTE • GENERAL PURPOSE END MILLS



SERIES: CCMG-M_M_

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1mm	3mm	2mm	38mm	stub	CCMGS-M3M1	13747	53747
1mm	3mm	3mm	38mm	std	CCMG-M3M1	16933	56933
1.5mm	3mm	3mm	38mm	stub	CCMGS-M3M1.5	13957	53957
1.5mm	3mm	6mm	38mm	std	CCMG-M3M1.5	16934	56934
2mm	3mm	4mm	38mm	stub	CCMGS-M3M2	13981	53981
2mm	3mm	9mm	38mm	std	CCMG-M3M2	16000	56000
2.5mm	3mm	5mm	38mm	stub	CCMGS-M3M2.5	14053	54053
2.5mm	3mm	12mm	38mm	std	CCMG-M3M2.5	16001	56001
3mm	3mm	6mm	38mm	stub	CCMGS-M3M3	13982	53982
3mm	3mm	12mm	38mm	std	CCMG-M3M3	16002	56002
3mm	6mm	12mm	63mm	std	CCMG-M6M3	11693	51693
3mm	3mm	18mm	57mm	long	CCMG-M3M3-L	13637	53637
3mm	3mm	20mm	75mm	xl	CCMG-M3M3-E	14729	54729
3.5mm	4mm	7mm	51mm	stub	CCMGS-M4M3.5	14055	54055
3.5mm	4mm	12mm	51mm	std	CCMG-M4M3.5	16003	56003
4mm	4mm	8mm	51mm	stub	CCMGS-M4M4	13983	53983
4mm	4mm	14mm	51mm	std	CCMG-M4M4	16004	56004
4mm	6mm	14mm	63mm	std	CCMG-M6M4	11694	51694
4mm	4mm	20mm	63mm	long	CCMG-M4M4-L	13638	53638
4mm	4mm	20mm	75mm	x long	CCMG-M4M4-LL	14731	54731
4mm	4mm	25mm	75mm	xl	CCMG-M4M4-E	14732	54732
4.5mm	5mm	9mm	51mm	stub	CCMGS-M5M4.5	13709	53709
4.5mm	5mm	14mm	51mm	std	CCMG-M5M4.5	16005	56005
5mm	5mm	10mm	51mm	stub	CCMGS-M5M5	19747	59747
5mm	5mm	20mm	51mm	std	CCMG-M5M5	16006	56006
5mm	6mm	20mm	63mm	std	CCMG-M6M5	10889	50889
5mm	5mm	25mm	64mm	long	CCMG-M5M5-L	13986	53986
5mm	5mm	25mm	75mm	x long	CCMG-M5M5-LL	14735	54735
6mm	6mm	12mm	51mm	stub	CCMGS-M6M6	13748	53748
6mm	6mm	20mm	63mm	std	CCMG-M6M6	16007	56007
6mm	6mm	28mm	75mm	long	CCMG-M6M6-L	13639	53639
6mm	6mm	32mm	100mm	x long	CCMG-M6M6-LL	14741	54741
6mm	6mm	38mm	150mm	xl	CCMG-M6M6-E	14744	54744
7mm	8mm	12mm	51mm	stub	CCMGS-M8M7	14037	54037
7mm	8mm	20mm	63mm	std	CCMG-M8M7	16008	56008
8mm	8mm	12mm	51mm	stub	CCMGS-M8M8	19748	59748
8mm	8mm	20mm	63mm	std	CCMG-M8M8	16009	56009
8mm	8mm	32mm	75mm	long	CCMG-M8M8-L	13640	53640
8mm	8mm	41mm	100mm	x long	CCMG-M8M8-LL	14751	54751
9mm	10mm	14mm	51mm	stub	CCMGS-M10M9	19749	59749
9mm	10mm	22mm	70mm	std	CCMG-M10M9	16010	56010
10mm	10mm	14mm	51mm	stub	CCMGS-M10M10	11679	51679
10mm	10mm	25mm	70mm	std	CCMG-M10M10	16011	56011
10mm	10mm	38mm	76mm	med	CCMG-M10M10-M	13966	53966
10mm	10mm	40mm	100mm	long	CCMG-M10M10-L	13641	53641
11mm	12mm	25mm	76mm	std	CCMG-M12M11	13988	53988
12mm	12mm	16mm	64mm	stub	CCMGS-M12M12	13059	53059
12mm	12mm	25mm	76mm	std	CCMG-M12M12	16012	56012
12mm	12mm	50mm	100mm	long	CCMG-M12M12-L	13642	53642
12mm	12mm	75mm	150mm	xl	CCMG-M12M12-E	14768	54768

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GENERAL PURPOSE CARBIDE END MILL

4 FLUTE • GENERAL PURPOSE END MILLS

SERIES: CCMG-M_M_

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
13mm	13mm	26mm	76mm	std	CCMG-M13M13	12762	52762
14mm	14mm	32mm	89mm	std	CCMG-M14M14	16795	56795
14mm	14mm	51mm	127mm	long	CCMG-M14M14-L	13749	53749
14mm	14mm	75mm	150mm	xl	CCMG-M14M14-E	14769	5476914768
16mm	16mm	32mm	89mm	std	CCMG-M16M16	16796	56796
16mm	16mm	57mm	127mm	long	CCMG-M16M16-L	19754	59754
16mm	16mm	50mm	150mm	x long	CCMG-M16M16-LL	14776	54776
16mm	16mm	75mm	150mm	xl	CCMG-M16M16-E	14777	54777
18mm	18mm	38mm	100mm	std	CCMG-M18M18	16797	56797
18mm	18mm	57mm	127mm	long	CCMG-M18M18-L	14869	54869
20mm	20mm	38mm	100mm	std	CCMG-M20M20	16798	56798
20mm	20mm	57mm	127mm	long	CCMG-M20M20-L	13990	53990
20mm	20mm	75mm	150mm	xl	CCMG-M20M20-E	14781	54781
22mm	22mm	38mm	100mm	std	CCMG-M22M22	16799	56799
25mm	25mm	38mm	100mm	std	CCMG-M25M25	16800	56800



4 FLUTE • CORNER RADIUS END MILLS



SERIES: CCMG-__-R__

DIA	SHK	LOC	OAL	RADIUS	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
3/32	1/8	3/8	1-1/2	0.010	std	CCMG-403-R010	11061	51061
3/32	1/8	3/8	1-1/2	0.015	std	CCMG-403-R015	11063	51063
3/32	1/8	3/8	1-1/2	0.020	std	CCMG-403-R020	11065	51065
1/8	1/8	1/4	1-1/2	0.010	stub	CCMG-404-R010	16904	56904
1/8	1/8	1/2	1-1/2	0.005	std	CCMG-404-R005	H1906	H1907
1/8	1/8	1/2	1-1/2	0.010	std	CCMG-404-R010	11067	51067
1/8	1/8	1/2	1-1/2	0.015	std	CCMG-404-R015	15422	55422
1/8	1/8	1/2	1-1/2	0.020	std	CCMG-404-R020	11069	51069
1/8	1/8	1/2	1-1/2	0.030	std	CCMG-404-R030	11071	51071
5/32	3/16	5/16	2	0.010	stub	CCMG-605-R010	16905	56905
5/32	3/16	5/16	2	0.010	std	CCMG-605-R010	H2076	H1910
5/32	3/16	5/16	2	0.015	std	CCMG-605-R015	H1911	H1912
5/32	3/16	5/16	2	0.030	std	CCMG-605-R030	H1913	H1914
3/16	3/16	5/16	2	0.010	stub	CCMG-606-R010	16906	56906
3/16	3/16	5/8	2	0.010	std	CCMG-606-R010	11073	51073
3/16	3/16	5/8	2	0.015	std	CCMG-606-R015	11075	51075
3/16	3/16	5/8	2	0.020	std	CCMG-606-R020	15424	55424
3/16	3/16	5/8	2	0.030	std	CCMG-606-R030	15426	55426
3/16	3/16	5/8	2	0.045	std	CCMG-606-R045	H1915	H1916
7/32	1/4	3/8	2	0.020	stub	CCMG-807-R020	16907	56907
1/4	1/4	1/2	2	0.020	stub	CCMG-808-R020	16463	56463
1/4	1/4	3/4	2-1/2	0.010	std	CCMG-808-R010	H1918	H1919
1/4	1/4	3/4	2-1/2	0.015	std	CCMG-808-R015	15360	55360
1/4	1/4	3/4	2-1/2	0.020	std	CCMG-808-R020	15362	55362
1/4	1/4	3/4	2-1/2	0.030	std	CCMG-808-R030	15364	55364
1/4	1/4	3/4	2-1/2	0.045	std	CCMG-808-R045	15366	55366
1/4	1/4	3/4	2-1/2	0.060	std	CCMG-808-R060	H1921	H1922

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SERIES: CCMG-__-R__

DIA	SHK	LOC	OAL	RADIUS	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
5/16	5/16	7/16	2	0.020	stub	CCMGS-1010-R020	16909	56909
5/16	5/16	1/2	2	0.030	stub	CCMGS-1010-R030	16338	56338
5/16	5/16	13/16	2-1/2	0.015	std	CCMG-1010-R015	11077	51077
5/16	5/16	13/16	2-1/2	0.020	std	CCMG-1010-R020	15368	55368
5/16	5/16	13/16	2-1/2	0.030	std	CCMG-1010-R030	15370	55370
5/16	5/16	13/16	2-1/2	0.045	std	CCMG-1010-R045	15372	55372
5/16	5/16	13/16	2-1/2	0.060	std	CCMG-1010-R060	11079	51079
3/8	3/8	1/2	2	0.020	stub	CCMGS-1212-R020	16910	56910
3/8	3/8	1	2-1/2	0.015	std	CCMG-1212-R015	11081	51081
3/8	3/8	1	2-1/2	0.020	std	CCMG-1212-R020	15374	55374
3/8	3/8	1	2-1/2	0.030	std	CCMG-1212-R030	15376	55376
3/8	3/8	1	2-1/2	0.045	std	CCMG-1212-R045	15378	55378
3/8	3/8	1	2-1/2	0.060	std	CCMG-1212-R060	11083	51083
7/16	7/16	9/16	2-1/2	0.020	stub	CCMGS-1414-R020	16911	56911
1/2	1/2	5/8	2-1/2	0.030	stub	CCMGS-1616-R030	16912	56912
1/2	1/2	1	3	0.015	std	CCMG-1616-R015	11085	51085
1/2	1/2	1	3	0.020	std	CCMG-1616-R020	15380	55380
1/2	1/2	1	3	0.030	std	CCMG-1616-R030	15382	55382
1/2	1/2	1	3	0.045	std	CCMG-1616-R045	15384	55384
1/2	1/2	1	3	0.060	std	CCMG-1616-R060	15386	55386
1/2	1/2	1	3	0.090	std	CCMG-1616-R090	11087	51087
1/2	1/2	1	3	0.125	std	CCMG-1616-R125	11089	51089
5/8	5/8	3/4	3	0.030	stub	CCMGS-2020-R030	16913	56913
5/8	5/8	1-1/4	3-1/2	0.015	std	CCMG-2020-R015	11091	51091
5/8	5/8	1-1/4	3-1/2	0.020	std	CCMG-2020-R020	15388	55388
5/8	5/8	1-1/4	3-1/2	0.030	std	CCMG-2020-R030	15390	55390
5/8	5/8	1-1/4	3-1/2	0.045	std	CCMG-2020-R045	15392	55392
5/8	5/8	1-1/4	3-1/2	0.060	std	CCMG-2020-R060	15394	55394
5/8	5/8	1-1/4	3-1/2	0.090	std	CCMG-2020-R090	15396	55396
3/4	3/4	1	3	0.030	stub	CCMGS-2424-R030	16914	56914
3/4	3/4	1-1/2	4	0.015	std	CCMG-2424-R015	11093	51093
3/4	3/4	1-1/2	4	0.020	std	CCMG-2424-R020	15398	55398
3/4	3/4	1-1/2	4	0.030	std	CCMG-2424-R030	15400	55400
3/4	3/4	1-1/2	4	0.045	std	CCMG-2424-R045	15402	55402
3/4	3/4	1-1/2	4	0.060	std	CCMG-2424-R060	15404	55404
3/4	3/4	1-1/2	4	0.090	std	CCMG-2424-R090	15406	55406
3/4	3/4	1-1/2	4	0.125	std	CCMG-2424-R125	15408	55408
1	1	1-1/2	4	0.015	std	CCMG-3232-R015	11095	51095
1	1	1-1/2	4	0.020	std	CCMG-3232-R020	15410	55410
1	1	1-1/2	4	0.030	std	CCMG-3232-R030	15412	55412
1	1	1-1/2	4	0.045	std	CCMG-3232-R045	15414	55414
1	1	1-1/2	4	0.060	std	CCMG-3232-R060	15416	55416
1	1	1-1/2	4	0.090	std	CCMG-3232-R090	15418	55418
1	1	1-1/2	4	0.125	std	CCMG-3232-R125	15420	55420

GENERAL PURPOSE CARBIDE END MILL



4 FLUTE • CORNER RADIUS END MILLS



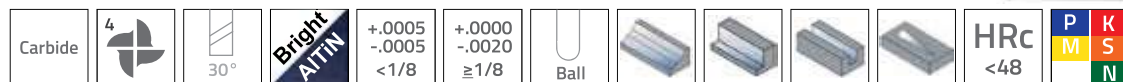
SERIES: CCMG-M_M_-R_

DIA	SHK	LOC	OAL	RADIUS	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
2mm	3mm	9mm	38mm	0.4mm	std	CCMG-M3M2-R0.4	16870	56870
2.5mm	3mm	12mm	38mm	0.4mm	std	CCMG-M3M2.5-R0.4	16871	56871
3mm	3mm	12mm	38mm	0.2mm	std	CCMG-M3M3-R0.2	14728	54728
3mm	3mm	12mm	38mm	0.4mm	std	CCMG-M3M3-R0.4	16872	56872
3.5mm	4mm	12mm	50mm	0.4mm	std	CCMG-M4M3.5-R0.4	16873	56873
4mm	4mm	14mm	50mm	0.4mm	std	CCMG-M4M4-R0.4	16874	56874
4.5mm	5mm	14mm	50mm	0.4mm	std	CCMG-M5M4.5-R0.4	16875	56875
5mm	5mm	16mm	50mm	0.3mm	std	CCMG-M5M5-R0.3	14733	54733
5mm	5mm	16mm	50mm	0.4mm	std	CCMG-M5M5-R0.4	16876	56876
5mm	5mm	16mm	65mm	0.5mm	med	CCMG-M5M5-MR0.5	14734	54734
6mm	6mm	20mm	63mm	0.5mm	std	CCMG-M6M6-R0.5	16877	56877
6mm	6mm	20mm	63mm	0.8mm	std	CCMG-M6M6-R0.8	14736	54736
6mm	6mm	20mm	63mm	1.0mm	std	CCMG-M6M6-R1.0	14737	54737
6mm	6mm	20mm	63mm	1.5mm	std	CCMG-M6M6-R1.5	14738	54738
6mm	6mm	20mm	63mm	2.0mm	std	CCMG-M6M6-R2.0	14739	54739
7mm	8mm	22mm	63mm	0.5mm	std	CCMG-M8M7-R0.5	16878	56878
8mm	8mm	22mm	63mm	0.5mm	std	CCMG-M8M8-R0.5	16879	56879
8mm	8mm	22mm	63mm	0.8mm	std	CCMG-M8M8-R0.8	14745	54745
8mm	8mm	22mm	63mm	1.0mm	std	CCMG-M8M8-R1.0	14746	54746
8mm	8mm	22mm	63mm	1.5mm	std	CCMG-M8M8-R1.5	14747	54747
8mm	8mm	22mm	63mm	2.0mm	std	CCMG-M8M8-R2.0	14748	54748
8mm	8mm	22mm	63mm	2.5mm	std	CCMG-M8M8-R2.5	14749	54749
8mm	8mm	22mm	63mm	3.0mm	std	CCMG-M8M8-R3.0	14750	54750
9mm	10mm	22mm	70mm	0.7mm	std	CCMG-M10M9-R0.7	16880	56880
10mm	10mm	25mm	70mm	0.5mm	std	CCMG-M10M10-R0.5	14753	54753
10mm	10mm	25mm	70mm	0.7mm	std	CCMG-M10M10-R0.7	16881	56881
10mm	10mm	25mm	70mm	0.8mm	std	CCMG-M10M10-R0.8	14759	54759
10mm	10mm	25mm	70mm	1.0mm	std	CCMG-M10M10-R1.0	14754	54754
10mm	10mm	25mm	70mm	1.5mm	std	CCMG-M10M10-R1.5	14755	54755
10mm	10mm	25mm	70mm	2.0mm	std	CCMG-M10M10-R2.0	14756	54756
10mm	10mm	25mm	70mm	2.5mm	std	CCMG-M10M10-R2.5	14757	54757
10mm	10mm	25mm	70mm	3.0mm	std	CCMG-M10M10-R3.0	14758	54758
12mm	12mm	25mm	76mm	0.5mm	std	CCMG-M12M12-R0.5	14762	54762
12mm	12mm	25mm	76mm	0.7mm	std	CCMG-M12M12-R0.7	16882	56882
12mm	12mm	25mm	76mm	1.0mm	std	CCMG-M12M12-R1.0	14763	54763
12mm	12mm	25mm	76mm	1.5mm	std	CCMG-M12M12-R1.5	14764	54764
12mm	12mm	25mm	76mm	2.0mm	std	CCMG-M12M12-R2.0	14765	54765
12mm	12mm	25mm	76mm	2.5mm	std	CCMG-M12M12-R2.5	14766	54766
12mm	12mm	25mm	76mm	3.0mm	std	CCMG-M12M12-R3.0	14767	54767
14mm	14mm	32mm	89mm	0.8mm	std	CCMG-M14M14-R0.8	16883	56883
16mm	16mm	38mm	89mm	0.5mm	std	CCMG-M16M16-R0.5	14771	54771
16mm	16mm	38mm	89mm	0.8mm	std	CCMG-M16M16-R0.8	16884	56884
16mm	16mm	38mm	89mm	1.0mm	std	CCMG-M16M16-R1.0	14772	54772
16mm	16mm	38mm	89mm	2.0mm	std	CCMG-M16M16-R2.0	14773	54773
16mm	16mm	38mm	89mm	2.5mm	std	CCMG-M16M16-R2.5	14770	54770
16mm	16mm	38mm	89mm	3.0mm	std	CCMG-M16M16-R3.0	14774	54774
16mm	16mm	38mm	89mm	4.0mm	std	CCMG-M16M16-R4.0	14775	54775
20mm	20mm	38mm	100mm	1.0mm	std	CCMG-M20M20-R1.0	16886	56886
20mm	20mm	38mm	100mm	2.0mm	std	CCMG-M20M20-R2.0	14778	54778

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SERIES: CCMG-__-B

DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/64	1/8	3/64		1-1/2	std	CCMG-400-1/2-B	13488	53488
1/32	1/8	1/16		1-1/2	stub	CCMGS-401-B	16239	56239
1/32	1/8	3/32		1-1/2	std	CCMG-401-B	15928	55928
1/32	1/8	0.150		2-1/2	long	CCMG-401-LF-B	12395	52395
3/64	1/8	3/32		1-1/2	stub	CCMGS-401-1/2-B	16240	56240
3/64	1/8	1/8		1-1/2	std	CCMG-401-1/2-B	15929	55929
3/64	1/8	1/4		2-1/2	long	CCMG-401-1/2-LF-B	12398	52398
1/16	1/8	1/8		1-1/2	stub	CCMGS-402-B	16241	56241
1/16	1/8	3/16		1-1/2	std	CCMG-402-B	15930	55930
1/16	1/8	1/4		1-1/2	med	CCMG-402-MB	11205	51205
1/16	1/8	3/8		1-1/2	long	CCMG-402-LB	19528	59528
1/16	1/8	1/2		2-1/2	long	CCMG-402-LF-B	12401	52401
5/64	1/8	3/16		1-1/2	std	CCMG-402-1/2-B	15931	55931
5/64	1/8	1/2		2-1/2	long	CCMG-402-1/2-LF-B	13023	53023
3/32	1/8	3/16		1-1/2	stub	CCMGS-403-B	16242	56242
3/32	1/8	3/8		1-1/2	std	CCMG-403-B	15932	55932
3/32	1/8	1/2		2	med	CCMG-403-MB	19529	59529
3/32	1/8	0.600		2-1/2	long	CCMG-403-LF-B	12595	52595
7/64	1/8	7/32		1-1/2	stub	CCMGS-403-1/2-B	13985	53985
7/64	1/8	3/8		1-1/2	std	CCMG-403-1/2-B	15933	55933
1/8	1/8	1/4		1-1/2	stub	CCMGS-404-B	16243	56243
1/8	1/8	1/2		1-1/2	std	CCMG-404-B	14176	54176
1/8	1/8	5/8	1	2	ext neck	CCMGN-404-B	16767	56767
1/8	1/8	3/4		2-1/4	med	CCMG-404-MB	10997	50997
1/8	1/8	3/4		3	long	CCMG-404-LB	16188	56188
1/8	1/8	1		3	xl	CCMG-404-EB	16254	56254
9/64	3/16	9/32		1-1/2	stub	CCMGS-604-1/2-B	10970	50970
9/64	3/16	9/16		2	std	CCMG-604-1/2-B	16204	56204
5/32	3/16	5/16		1-1/2	stub	CCMGS-605-B	16244	56244
5/32	3/16	9/16		2	std	CCMG-605-B	15852	55852
11/64	3/16	9/16		2	std	CCMG-605-1/2-B	16205	56205
3/16	3/16	3/8		1-1/2	stub	CCMGS-606-B	16245	56245
3/16	3/16	5/8		2	std	CCMG-606-B	14178	54178
3/16	3/16	3/4		2-1/2	med	CCMG-606-MB	19556	59556
3/16	3/16	1	1-5/8	3	ext neck	CCMGN-606-B	16768	56768
3/16	3/16	3/4		3	long	CCMG-606-LB	16189	56189
3/16	3/16	1	2-5/8	4	ext neck	CCMGN-606-2B	16769	56769
3/16	3/16	1-1/8		3	xl	CCMG-606-EB	16255	56255
13/64	1/4	5/8		2-1/2	std	CCMG-806-1/2-B	16206	56206
7/32	1/4	1/2		2	stub	CCMGS-807-B	16246	56246
7/32	1/4	5/8		2-1/2	std	CCMG-807-B	15934	55934
15/64	1/4	3/4		2-1/2	std	CCMG-807-1/2-B	16207	56207
1/4	1/4	1/2		2	stub	CCMGS-808-B	16247	56247
1/4	1/4	3/4		2-1/2	std	CCMG-808-B	14180	54180
1/4	1/4	1	2-1/4	4	ext neck	CCMGN-808-B	16770	56770
1/4	1/4	1-1/8		3	long	CCMG-808-LB	16190	56190
1/4	1/4	1-1/2		4	xl	CCMG-808-EB	16256	56256
1/4	1/4	1-1/2	4-1/4	6	ext neck	CCMGN-808-2B	16771	56771
17/64	5/16	3/4		2-1/2	std	CCMG-1008-1/2-B	16208	56208

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SERIES: CCMG-__-B

DIA	SHK	LOC	LBS	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
9/32	5/16	3/4		2-1/2	std	CCMG-1009-B	15935	55935
19/64	5/16	13/16		2-1/2	std	CCMG-1009-1/2-B	16209	56209
5/16	5/16	1/2		2	stub	CCMGS-1010-B	16248	56248
5/16	5/16	13/16		2-1/2	std	CCMG-1010-B	14182	54182
5/16	5/16	1	2-5/16	4	ext neck	CCMGN-1010-B	16772	56772
5/16	5/16	1-1/8		3	long	CCMG-1010-LB	16191	56191
5/16	5/16	1-1/2	4-5/16	6	ext neck	CCMGN-1010-2B	16773	56773
5/16	5/16	1-5/8		4	xl	CCMG-1010-EB	16257	56257
21/64	3/8	7/8		2-1/2	std	CCMG-1210-1/2-B	16210	56210
11/32	3/8	7/8		2-1/2	std	CCMG-1211-B	16211	56211
23/64	3/8	7/8		2-1/2	std	CCMG-1211-1/2-B	16212	56212
3/8	3/8	5/8		2	stub	CCMGS-1212-B	16249	56249
3/8	3/8	1		2-1/2	std	CCMG-1212-B	14184	54184
3/8	3/8	1	2-3/8	4	ext neck	CCMGN-1212-B	16774	56774
3/8	3/8	1-1/8		3	long	CCMG-1212-LB	16192	56192
3/8	3/8	1-1/2	4-3/8	6	ext neck	CCMGN-1212-2B	16775	56775
3/8	3/8	1-3/4		4	xl	CCMG-1212-EB	16258	56258
25/64	7/16	1		2-3/4	std	CCMG-1412-1/2-B	16213	56213
13/32	7/16	1		2-3/4	std	CCMG-1413-B	16214	56214
27/64	7/16	1		2-3/4	std	CCMG-1413-1/2-B	16215	56215
7/16	7/16	5/8		2-1/2	stub	CCMGS-1414-B	16250	56250
7/16	7/16	1		2-3/4	std	CCMG-1414-B	15936	55936
7/16	7/16	1	2-1/4	4	ext neck	CCMGN-1414-B	16776	56776
7/16	7/16	1-1/2	4-1/4	6	ext neck	CCMGN-1414-2B	16777	56777
7/16	7/16	2		4	long	CCMG-1414-LB	16193	56193
7/16	7/16	3		6	xl	CCMG-1414-EB	16259	56259
29/64	1/2	1		3	std	CCMG-1614-1/2-B	16216	56216
15/32	1/2	1		3	std	CCMG-1615-B	16217	56217
31/64	1/2	1		3	std	CCMG-1615-1/2-B	16218	56218
1/2	1/2	5/8		2-1/2	stub	CCMGS-1616-B	16251	56251
1/2	1/2	1		3	std	CCMG-1616-B	14186	54186
1/2	1/2	1	2	4	ext neck	CCMGN-1616-B	16778	56778
1/2	1/2	1-1/2		4	med	CCMG-1616-MB	11078	51078
1/2	1/2	1-1/2	4	6	ext neck	CCMGN-1616-2B	16779	56779
1/2	1/2	2		4	long	CCMG-1616-LB	16194	56194
1/2	1/2	3		6	xl	CCMG-1616-EB	16260	56260
9/16	9/16	1-1/4		3-1/2	std	CCMG-1818-B	16219	56219
9/16	9/16	2	3-3/4	6	ext neck	CCMGN-1818-B	16780	56780
5/8	5/8	3/4		3	stub	CCMGS-2020-B	16252	56252
5/8	5/8	1-1/4		3-1/2	std	CCMG-2020-B	16220	56220
5/8	5/8	2	3-3/4	6	ext neck	CCMGN-2020-B	16782	56782
5/8	5/8	2-1/4		5	long	CCMG-2020-LB	16195	56195
5/8	5/8	3		6	xl	CCMG-2020-EB	16261	56261
11/16	3/4	1-3/8		4	std	CCMG-2422-B	19576	59576
3/4	3/4	1		3	stub	CCMGS-2424-B	16253	56253
3/4	3/4	1-1/2		4	std	CCMG-2424-B	16221	56221
3/4	3/4	2	3-1/2	6	ext neck	CCMGN-2424-B	16783	56783
3/4	3/4	2-1/4		5	long	CCMG-2424-LB	16196	56196
3/4	3/4	3		6	xl	CCMG-2424-EB	16262	56262
7/8	7/8	1-1/2		4	std	CCMG-2828-B	16222	56222
1	1	1-1/2		4	std	CCMG-3232-B	16223	56223
1	1	2	3-1/2	6	ext neck	CCMGN-3232-B	16784	56784
1	1	3		6	xl	CCMG-3232-EB	16263	56263

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4 FLUTE • BALL NOSE END MILLS



SERIES: CCMG-M_M_-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1mm	3mm	2mm	38mm	stub	CCMGS-M3M1-B	19546	59546
1mm	3mm	3mm	38mm	std	CCMG-M3M1-B	16801	56801
1.5mm	3mm	3mm	38mm	stub	CCMGS-M3M1.5-B	10804	50804
1.5mm	3mm	6mm	38mm	std	CCMG-M3M1.5-B	16802	56802
2mm	3mm	4mm	38mm	stub	CCMGS-M3M2-B	19547	59547
2mm	3mm	9mm	38mm	std	CCMG-M3M2-B	16572	56572
2.5mm	3mm	5mm	38mm	stub	CCMGS-M3M2.5-B	19548	59548
2.5mm	3mm	12mm	38mm	std	CCMG-M3M2.5-B	16573	56573
3mm	3mm	6mm	38mm	stub	CCMGS-M3M3-B	11211	51211
3mm	3mm	12mm	38mm	std	CCMG-M3M3-B	16574	56574
3mm	3mm	18mm	57mm	long	CCMG-M3M3-LB	13643	53643
3.5mm	4mm	7mm	51mm	stub	CCMGS-M4M3.5-B	19550	59550
3.5mm	4mm	12mm	51mm	std	CCMG-M4M3.5-B	16575	56575
4mm	4mm	8mm	51mm	stub	CCMGS-M4M4-B	19551	59551
4mm	4mm	14mm	51mm	std	CCMG-M4M4-B	16576	56576
4mm	4mm	20mm	63mm	long	CCMG-M4M4-LB	13644	53644
4.5mm	5mm	14mm	51mm	std	CCMG-M5M4.5-B	16577	56577
5mm	5mm	10mm	51mm	stub	CCMGS-M5M5-B	19552	59552
5mm	5mm	20mm	51mm	std	CCMG-M5M5-B	16578	56578
5mm	5mm	25mm	64mm	long	CCMG-M5M5-LB	14029	54029
6mm	6mm	12mm	51mm	stub	CCMGS-M6M6-B	19727	59727
6mm	6mm	20mm	63mm	std	CCMG-M6M6-B	16579	56579
6mm	6mm	28mm	75mm	long	CCMG-M6M6-LB	13645	53645
6mm	6mm	32mm	100mm	x long	CCMG-M6M6-LLB	14743	54743
7mm	8mm	12mm	51mm	stub	CCMGS-M8M7-B	19728	59728
7mm	8mm	20mm	63mm	std	CCMG-M8M7-B	16580	56580
8mm	8mm	12mm	51mm	stub	CCMGS-M8M8-B	19729	59729
8mm	8mm	20mm	63mm	std	CCMG-M8M8-B	16581	56581
8mm	8mm	32mm	75mm	long	CCMG-M8M8-LB	13646	53646
8mm	8mm	41mm	100mm	x long	CCMG-M8M8-LLB	14752	54752
9mm	10mm	22mm	70mm	std	CCMG-M10M9-B	16582	56582
10mm	10mm	25mm	70mm	std	CCMG-M10M10-B	16583	56583
10mm	10mm	29mm	76mm	med	CCMG-M10M10-MB	10304	50304
10mm	10mm	40mm	100mm	long	CCMG-M10M10-LB	13647	53647
10mm	10mm	50mm	100mm	x long	CCMG-M10M10-LLB	14760	54760
10mm	10mm	75mm	150mm	xl	CCMG-M10M10-EB	14761	54761
11mm	12mm	25mm	75mm	std	CCMG-M12M11-B	10286	50286
12mm	12mm	25mm	76mm	std	CCMG-M12M12-B	16584	56584
12mm	12mm	50mm	100mm	long	CCMG-M12M12-LB	13648	53648
14mm	14mm	32mm	89mm	std	CCMG-M14M14-B	16585	56585
16mm	16mm	32mm	89mm	std	CCMG-M16M16-B	16586	56586
16mm	16mm	57mm	127mm	long	CCMG-M16M16-LB	19762	59762
18mm	18mm	38mm	100mm	std	CCMG-M18M18-B	16587	56587
18mm	18mm	57mm	127mm	long	CCMG-M18M18-LB	19763	59763
20mm	20mm	38mm	100mm	std	CCMG-M20M20-B	16588	56588
20mm	20mm	57mm	127mm	long	CCMG-M20M20-LB	13962	53962
22mm	22mm	38mm	100mm	std	CCMG-M22M22-B	16803	56803
25mm	25mm	38mm	100mm	std	CCMG-M25M25-B	16804	56804



GENERAL PURPOSE CARBIDE END MILL

2 FLUTE • NC TOLERANCE END MILLS



SERIES: AMG-__-NC

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/16	1/8	3/16	1-1/2	std	AMG-402-NC	16968	56968
3/32	1/8	3/8	1-1/2	std	AMG-403-NC	16969	56969
1/8	1/8	1/2	1-1/2	std	AMG-404-NC	16970	56970
5/32	3/16	9/16	2	std	AMG-605-NC	16971	56971
3/16	3/16	5/8	2	std	AMG-606-NC	16972	56972
7/32	1/4	5/8	2-1/2	std	AMG-807-NC	16973	56973
1/4	1/4	3/4	2-1/2	std	AMG-808-NC	16974	56974
9/32	5/16	3/4	2-1/2	std	AMG-1009-NC	16975	56975
5/16	5/16	13/16	2-1/2	std	AMG-1010-NC	16976	56976
3/8	3/8	1	2-1/2	std	AMG-1212-NC	16977	56977
7/16	7/16	1	2-3/4	std	AMG-1414-NC	16978	56978
1/2	1/2	1	3	std	AMG-1616-NC	16979	56979
5/8	5/8	1-1/4	3-1/2	std	AMG-2020-NC	16980	56980
3/4	3/4	1-1/2	4	std	AMG-2424-NC	16981	56981
1	1	1-1/2	4	std	AMG-3232-NC	16982	56982



2 FLUTE • NC TOLERANCE BALL NOSE END MILLS



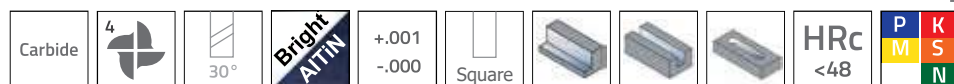
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DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/16	1/8	3/16	1-1/2	std	AMG-402-NCB	16938	56938
3/32	1/8	3/8	1-1/2	std	AMG-403-NCB	16939	56939
1/8	1/8	1/2	1-1/2	std	AMG-404-NCB	16940	56940
5/32	3/16	9/16	2	std	AMG-605-NCB	16941	56941
3/16	3/16	5/8	2	std	AMG-606-NCB	16942	56942
7/32	1/4	5/8	2-1/2	std	AMG-807-NCB	16943	56943
1/4	1/4	3/4	2-1/2	std	AMG-808-NCB	16944	56944
9/32	5/16	3/4	2-1/2	std	AMG-1009-NCB	16945	56945
5/16	5/16	13/16	2-1/2	std	AMG-1010-NCB	16946	56946
3/8	3/8	1	2-1/2	std	AMG-1212-NCB	16947	56947
7/16	7/16	1	2-3/4	std	AMG-1414-NCB	16948	56948
1/2	1/2	1	3	std	AMG-1616-NCB	16949	56949
5/8	5/8	1-1/4	3-1/2	std	AMG-2020-NCB	16950	56950
3/4	3/4	1-1/2	4	std	AMG-2424-NCB	16951	56951
1	1	1-1/2	4	std	AMG-3232-NCB	16952	56952

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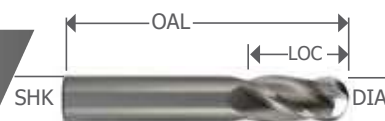
4 FLUTE • NC TOLERANCE END MILLS



SERIES: CCMG-__-NC

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/16	1/8	3/16	1-1/2	std	CCMG-402-NC	16983	56983
3/32	1/8	3/8	1-1/2	std	CCMG-403-NC	16984	56984
1/8	1/8	1/2	1-1/2	std	CCMG-404-NC	16985	56985
5/32	3/16	9/16	2	std	CCMG-605-NC	16986	56986
3/16	3/16	5/8	2	std	CCMG-606-NC	16987	56987
7/32	1/4	5/8	2-1/2	std	CCMG-807-NC	16988	56988
1/4	1/4	3/4	2-1/2	std	CCMG-808-NC	16989	56989
9/32	5/16	3/4	2-1/2	std	CCMG-1009-NC	16990	56990
5/16	5/16	13/16	2-1/2	std	CCMG-1010-NC	16991	56991
3/8	3/8	1	2-1/2	std	CCMG-1212-NC	16992	56992
7/16	7/16	1	2-3/4	std	CCMG-1414-NC	16993	56993
1/2	1/2	1	3	std	CCMG-1616-NC	16994	56994
5/8	5/8	1-1/4	3-1/2	std	CCMG-2020-NC	16995	56995
3/4	3/4	1-1/2	4	std	CCMG-2424-NC	16996	56996
1	1	1-1/2	4	std	CCMG-3232-NC	16997	56997

4 FLUTE • NC TOLERANCE BALL NOSE END MILLS



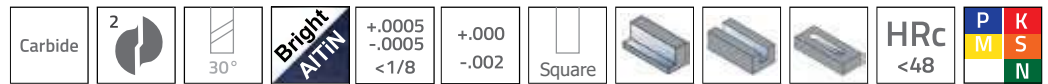
SERIES: CCMG-__-NCB

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/16	1/8	3/16	1-1/2	std	CCMG-402-NCB	16953	56953
3/32	1/8	3/8	1-1/2	std	CCMG-403-NCB	16954	56954
1/8	1/8	1/2	1-1/2	std	CCMG-404-NCB	16955	56955
5/32	3/16	9/16	2	std	CCMG-605-NCB	16956	56956
3/16	3/16	5/8	2	std	CCMG-606-NCB	16957	56957
7/32	1/4	5/8	2-1/2	std	CCMG-807-NCB	16958	56958
1/4	1/4	3/4	2-1/2	std	CCMG-808-NCB	16959	56959
9/32	5/16	3/4	2-1/2	std	CCMG-1009-NCB	16960	56960
5/16	5/16	13/16	2-1/2	std	CCMG-1010-NCB	16961	56961
3/8	3/8	1	2-1/2	std	CCMG-1212-NCB	16962	56962
7/16	7/16	1	2-3/4	std	CCMG-1414-NCB	16963	56963
1/2	1/2	1	3	std	CCMG-1616-NCB	16964	56964
5/8	5/8	1-1/4	3-1/2	std	CCMG-2020-NCB	16965	56965
3/4	3/4	1-1/2	4	std	CCMG-2424-NCB	16966	56966
1	1	1-1/2	4	std	CCMG-3232-NCB	16967	56967

GENERAL PURPOSE CARBIDE END MILL



2 FLUTE • DOUBLE END STUB LENGTH END MILLS

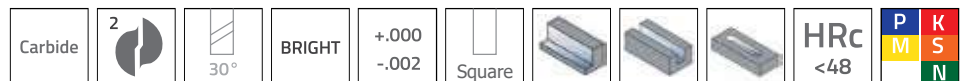


SERIES: BSMG

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP
1/32	1/8	1/16	1-1/2	stub	BSMG-401	14070
3/64	1/8	3/32	1-1/2	stub	BSMG-401-1/2	14072
1/16	1/8	1/8	1-1/2	stub	BSMG-402	14074
5/64	1/8	1/8	1-1/2	stub	BSMG-402-1/2	14076
3/32	1/8	3/16	1-1/2	stub	BSMG-403	14078
7/64	1/8	1/4	1-1/2	stub	BSMG-403-1/2	17848
1/8	1/8	1/4	1-1/2	stub	BSMG-404	14080
1/8	3/16	1/4	2	stub	BSMG-604	11739
9/64	3/16	5/16	2	stub	BSMG-604-1/2	17849
5/32	3/16	5/16	2	stub	BSMG-605	14084
11/64	3/16	3/8	2	stub	BSMG-605-1/2	16319
3/16	3/16	3/8	2	stub	BSMG-606	14086
13/64	1/4	1/2	2-1/2	stub	BSMG-806-1/2	17850
7/32	1/4	1/2	2-1/2	stub	BSMG-807	14092
15/64	1/4	1/2	2-1/2	stub	BSMG-807-1/2	16320
1/4	1/4	1/2	2-1/2	stub	BSMG-808	14094
5/16	5/16	1/2	2-1/2	stub	BSMG-1010	14098
3/8	3/8	9/16	2-1/2	stub	BSMG-1212	14102
7/16	7/16	5/8	3	stub	BSMG-1414	15915
1/2	1/2	5/8	3	stub	BSMG-1616	14106
5/8	5/8	3/4	4	stub	BSMG-2020	17851
3/4	3/4	1	4	stub	BSMG-2424	17852



2 FLUTE • DOUBLE END, END MILLS



SERIES: BMG

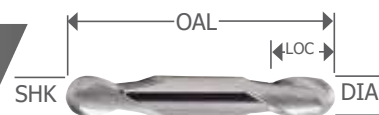
DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP
1/8	1/8	3/8	2	std	BMG-404	16070
1/8	3/8	3/8	3-1/16	std	BMG-1204	14082
5/32	3/8	7/16	3-1/4	std	BMG-1205	11357
3/16	3/8	1/2	3-1/4	std	BMG-1206	14090
7/32	3/8	5/8	3-1/2	std	BMG-1207	11581
1/4	3/8	5/8	3-1/2	std	BMG-1208	14096
9/32	3/8	11/16	3-1/2	std	BMG-1209	15914
5/16	3/8	3/4	3-1/2	std	BMG-1210	14100
3/8	3/8	3/4	3-1/2	std	BMG-1212*	14104
1/2	1/2	1	4	std	BMG-1616*	14108

* = Weldon Flat

GENERAL PURPOSE CARBIDE END MILL

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2 FLUTE • DOUBLE END STUB BALL NOSE END MILLS



SERIES: BSMG-__-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP
1/8	1/8	1/4	1-1/2	stub	BSMG-404-B	14110
1/8	3/16	1/4	2	stub	BSMG-604-B	11795
5/32	3/16	5/16	2	stub	BSMG-605-B	15916
3/16	3/16	3/8	2	stub	BSMG-606-B	14112
7/32	1/4	1/2	2-1/2	stub	BSMG-807-B	15917
1/4	1/4	1/2	2-1/2	stub	BSMG-808-B	14114
5/16	5/16	1/2	2-1/2	stub	BSMG-1010-B	14116
3/8	3/8	9/16	2-1/2	stub	BSMG-1212-B	14118
7/16	7/16	5/8	3	stub	BSMG-1414-B	15918
1/2	1/2	5/8	3	stub	BSMG-1616-B	14120

2 FLUTE • DOUBLE END BALL NOSE END MILLS

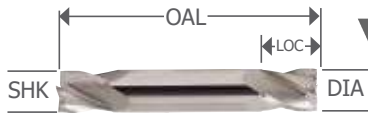


SERIES: BMG-__-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP
1/8	1/8	3/8	2	std	BMG-404-B	11696
1/8	3/8	3/8	3-1/16	std	BMG-1204-B	16271
5/32	3/8	7/16	3-1/4	std	BMG-1205-B	10438
3/16	3/8	1/2	3-1/4	std	BMG-1206-B	16272
7/32	3/8	5/8	3-1/2	std	BMG-1207-B	16317
1/4	3/8	5/8	3-1/2	std	BMG-1208-B	16273
9/32	3/8	11/16	3-1/2	std	BMG-1209-B	16274
5/16	3/8	3/4	3-1/2	std	BMG-1210-B	16275
11/32	3/8	3/4	3-1/2	std	BMG-1211-B	10196
3/8	3/8	3/4	3-1/2	std	BMG-1212-B*	16276
1/2	1/2	1	4	std	BMG-1616-B*	16277

* = Weldon Flat

GENERAL PURPOSE CARBIDE END MILL

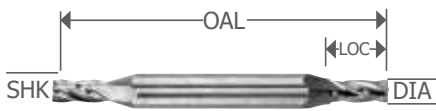


4 FLUTE • DOUBLE END STUB LENGTH END MILLS



SERIES: DDSMG

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP
1/32	1/8	1/16	1-1/2	stub	DDSMG-401	14188
3/64	1/8	3/32	1-1/2	stub	DDSMG-401-1/2	14190
1/16	1/8	1/8	1-1/2	stub	DDSMG-402	14192
5/64	1/8	1/8	1-1/2	stub	DDSMG-402-1/2	14194
3/32	1/8	3/16	1-1/2	stub	DDSMG-403	14196
7/64	1/8	1/4	1-1/2	stub	DDSMG-403-1/2	17853
1/8	1/8	1/4	1-1/2	stub	DDSMG-404	14198
1/8	3/16	1/4	2	stub	DDSMG-604	13075
9/64	3/16	5/16	2	stub	DDSMG-604-1/2	17854
5/32	3/16	5/16	2	stub	DDSMG-605	14202
11/64	3/16	3/8	2	stub	DDSMG-605-1/2	17855
3/16	3/16	3/8	2	stub	DDSMG-606	14204
13/64	1/4	1/2	2-1/2	stub	DDSMG-806-1/2	17856
7/32	1/4	1/2	2-1/2	stub	DDSMG-807	14208
15/64	1/4	1/2	2-1/2	stub	DDSMG-807-1/2	17857
1/4	1/4	1/2	2-1/2	stub	DDSMG-808	14210
5/16	5/16	1/2	2-1/2	stub	DDSMG-1010	14214
3/8	3/8	9/16	2-1/2	stub	DDSMG-1212	14218
7/16	7/16	5/8	3	stub	DDSMG-1414	15938
1/2	1/2	5/8	3	stub	DDSMG-1616	14222
5/8	5/8	3/4	4	stub	DDSMG-2020	17858
3/4	3/4	1	4	stub	DDSMG-2424	17859



4 FLUTE • DOUBLE END, END MILLS



SERIES: DDMG

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP
1/8	1/8	3/8	2	std	DDMG-404	16321
1/8	3/8	3/8	3-1/16	std	DDMG-1204	14200
5/32	3/8	7/16	3-1/4	std	DDMG-1205	10845
3/16	3/8	1/2	3-1/4	std	DDMG-1206	14206
7/32	3/8	5/8	3-1/2	std	DDMG-1207	12217
1/4	3/8	5/8	3-1/2	std	DDMG-1208	14212
9/32	3/8	11/16	3-1/2	std	DDMG-1209	15937
5/16	3/8	3/4	3-1/2	std	DDMG-1210	14216
11/32	3/8	3/4	3-1/2	std	DDMG-1211	13937
3/8	3/8	3/4	3-1/2	std	DDMG-1212*	14220
7/16	1/2	7/8	4	std	DDMG-1614	13061
1/2	1/2	1	4	std	DDMG-1616*	14224

* = Weldon Flat

GENERAL PURPOSE CARBIDE END MILL

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4 FLUTE • DOUBLE END STUB LENGTH BALL NOSE END MILLS



SERIES: DDSMG-__-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP
1/8	1/8	1/4	1-1/2	stub	DDSMG-404-B	14226
1/8	3/16	1/4	2	stub	DDSMG-604-B	11730
5/32	3/16	5/16	2	stub	DDSMG-605-B	15939
3/16	3/16	3/8	2	stub	DDSMG-606-B	14228
7/32	1/4	1/2	2-1/2	stub	DDSMG-807-B	15940
1/4	1/4	1/2	2-1/2	stub	DDSMG-808-B	14230
5/16	5/16	1/2	2-1/2	stub	DDSMG-1010-B	14232
3/8	3/8	9/16	2-1/2	stub	DDSMG-1212-B	14234
7/16	7/16	5/8	3	stub	DDSMG-1414-B	15941
1/2	1/2	5/8	3	stub	DDSMG-1616-B	14236

4 FLUTE • DOUBLE END BALL NOSE END MILLS



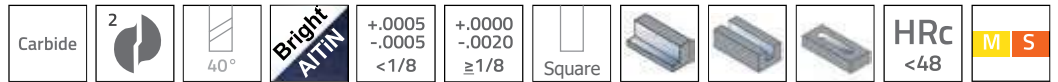
SERIES: DDMG-__-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP
1/8	1/8	3/8	2	std	DDMG-404-B	11791
1/8	3/8	3/8	3-1/16	std	DDMG-1204-B	16264
5/32	3/8	7/16	3-1/4	std	DDMG-1205-B	10951
3/16	3/8	1/2	3-1/4	std	DDMG-1206-B	16265
7/32	3/8	5/8	3-1/2	std	DDMG-1207-B	16318
1/4	3/8	5/8	3-1/2	std	DDMG-1208-B	16266
9/32	3/8	11/16	3-1/2	std	DDMG-1209-B	16267
5/16	3/8	3/4	3-1/2	std	DDMG-1210-B	16268
3/8	3/8	3/4	3-1/2	std	DDMG-1212-B*	16269
1/2	1/2	1	4	std	DDMG-1616-B*	16270

* = Weldon Flat

GENERAL PURPOSE CARBIDE END MILL

2 FLUTE • 40° HELIX END MILLS



SERIES: AMG40

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/32	1/8	3/32	1-1/2	std	AMG40-401	12191	52191
3/64	1/8	1/8	1-1/2	std	AMG40-401-1/2	12121	52121
1/16	1/8	3/16	1-1/2	std	AMG40-402	12081	52081
1/16	1/8	1/8	1-1/2	stub	AMGS40-402	12202	52202
3/32	1/8	3/8	1-1/2	std	AMG40-403	12083	52083
1/8	1/8	1/2	1-1/2	std	AMG40-404	11997	51997
1/8	1/8	1/4	1-1/2	stub	AMGS40-404	12203	52203
9/64	3/16	9/16	2	std	AMG40-604-1/2	12129	52129
5/32	3/16	9/16	2	std	AMG40-605	12085	52085
11/64	3/16	9/16	2	std	AMG40-605-1/2	12131	52131
3/16	3/16	3/8	1-1/2	stub	AMGS40-606	12115	52115
3/16	3/16	5/8	2	std	AMG40-606	11999	51999
13/64	1/4	5/8	2-1/2	std	AMG40-806-1/2	12135	52135
7/32	1/4	5/8	2-1/2	std	AMG40-807	12137	52137
15/64	1/4	3/4	2-1/2	std	AMG40-807-1/2	12001	52001
1/4	1/4	1/2	2	stub	AMGS40-808	12035	52035
1/4	1/4	3/4	2-1/2	std	AMG40-808	12003	52003
1/4	1/4	1-1/2	4	xl	AMG40-808-E	13987	53987
17/64	5/16	3/4	2-1/2	std	AMG40-1008-1/2	12117	52117
5/16	5/16	13/16	2-1/2	std	AMG40-1010	12118	52118
5/16	5/16	1-5/8	4	xl	AMG40-1010-E	13948	53948
3/8	3/8	5/8	2	stub	AMGS40-1212	12204	52204
3/8	3/8	1	2-1/2	std	AMG40-1212	12005	52005
3/8	3/8	1-1/8	3	long	AMG40-1212-L	14047	54047
25/64	7/16	1	2-3/4	std	AMG40-1412-1/2	12007	52007
7/16	7/16	1	2-3/4	std	AMG40-1414	13091	53091
1/2	1/2	5/8	2-1/2	stub	AMGS40-1616	12113	52113
1/2	1/2	1	3	std	AMG40-1616	12075	52075
1/2	1/2	2	4	long	AMG40-1616-L	13730	53730
5/8	5/8	1-1/4	3-1/2	std	AMG40-2020	13093	53093
5/8	5/8	2-1/4	5	long	AMG40-2020-L	13731	53731
3/4	3/4	1-1/2	4	std	AMG40-2424	12080	52080



2 FLUTE • 40° HELIX BALL NOSE END MILLS



SERIES: AMG40-__-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/32	1/8	3/32	1-1/2	std	AMG40-401-B	12123	52123
1/16	1/8	3/16	1-1/2	std	AMG40-402-B	12125	52125
3/32	1/8	3/8	1-1/2	std	AMG40-403-B	12127	52127
1/8	1/8	1/2	1-1/2	std	AMG40-404-B	12009	52009
5/32	3/16	9/16	2	std	AMG40-605-B	12099	52099
3/16	3/16	5/8	2	std	AMG40-606-B	12133	52133
1/4	1/4	3/4	2-1/2	std	AMG40-808-B	12139	52139
5/16	5/16	13/16	2-1/2	std	AMG40-1010-B	13095	53095
3/8	3/8	1	2-1/2	std	AMG40-1212-B	12119	52119
1/2	1/2	1	3	std	AMG40-1616-B	12079	52079

GENERAL PURPOSE CARBIDE END MILL

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3 FLUTE • 40° HELIX END MILLS



Carbide	3	40°	Bright ATTIN	+0.0005 -0.0005 <1/8	+0.0000 -0.0020 ≥1/8	Square				HRC <48	M S
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SERIES: EMG40

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/32	1/8	3/32	1-1/2	std	EMG40-401	10722	50722
3/64	1/8	1/8	1-1/2	std	EMG40-401-1/2	10724	50724
1/16	1/8	1/8	1-1/2	stub	EMGS40-402	19485	59485
1/16	1/8	3/16	1-1/2	std	EMG40-402	10726	50726
3/32	1/8	3/8	1-1/2	std	EMG40-403	10728	50728
1/8	1/8	1/4	1-1/2	stub	EMGS40-404	19500	59500
1/8	1/8	1/2	1-1/2	std	EMG40-404	10730	50730
9/64	3/16	9/16	2	std	EMG40-604-1/2	10732	50732
5/32	3/16	9/16	2	std	EMG40-605	10750	50750
11/64	3/16	9/16	2	std	EMG40-605-1/2	10754	50754
3/16	3/16	3/8	1-1/2	stub	EMGS40-606	19290	59290
3/16	3/16	5/8	2	std	EMG40-606	10768	50768
13/64	1/4	5/8	2-1/2	std	EMG40-806-1/2	10772	50772
7/32	1/4	5/8	2-1/2	std	EMG40-807	10776	50776
15/64	1/4	3/4	2-1/2	std	EMG40-807-1/2	10780	50780
1/4	1/4	3/4	2-1/2	std	EMG40-808	10782	50782
17/64	5/16	3/4	2-1/2	std	EMG40-1008-1/2	10784	50784
5/16	5/16	13/16	2-1/2	std	EMG40-1010	10786	50786
5/16	5/16	1-5/8	4	xl	EMG40-1010-E	10788	50788
3/8	3/8	5/8	2	stub	EMGS40-1212	11990	51990
3/8	3/8	1	2-1/2	std	EMG40-1212	10790	50790
3/8	3/8	1-1/8	3	long	EMG40-1212-L	10796	50796
7/16	7/16	1	2-3/4	std	EMG40-1414	10453	50453
1/2	1/2	5/8	2-1/2	stub	EMGS40-1616	19527	59527
1/2	1/2	1	3	std	EMG40-1616	10798	50798
1/2	1/2	2	4	long	EMG40-1616-L	10799	50799
5/8	5/8	1-1/4	3-1/2	std	EMG40-2020	10800	50800
5/8	5/8	2-1/4	5	long	EMG40-2020-L	10801	50801
3/4	3/4	1-1/2	4	std	EMG40-2424	10802	50802



4 FLUTE • 40° HELIX END MILLS

Carbide	4	40°	Bright ATTIN	+0.0005 -0.0005 <1/8	+0.0000 -0.0020 ≥1/8	Square				HRC <48	P K M S
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SERIES: CCMG40

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/32	1/8	3/32	1-1/2	std	CCMG40-401	12169	52169
3/64	1/8	1/8	1-1/2	std	CCMG40-401-1/2	12171	52171
1/16	1/8	1/8	1-1/2	stub	CCMG40-402	12109	52109
1/16	1/8	3/16	1-1/2	std	CCMG40-402	12175	52175
5/64	1/8	3/16	1-1/2	std	CCMG40-402-1/2	12177	52177
3/32	1/8	3/16	1-1/2	stub	CCMG40-403	12111	52111
3/32	1/8	3/8	1-1/2	std	CCMG40-403	12087	52087
7/64	1/8	3/8	1-1/2	std	CCMG40-403-1/2	12013	52013
1/8	1/8	1/4	1-1/2	stub	CCMG40-404	12102	52102
1/8	1/8	1/2	1-1/2	std	CCMG40-404	12076	52076

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GENERAL PURPOSE CARBIDE END MILL

4 FLUTE • 40° HELIX END MILLS

SERIES: CCMG40

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
9/64	3/16	9/16	2	std	CCMG40-604-1/2	12015	52015
5/32	3/16	3/8	1-1/2	stub	CCMG40-605	12097	52097
5/32	3/16	9/16	2	std	CCMG40-605	12017	52017
11/64	3/16	9/16	2	std	CCMG40-605-1/2	12181	52181
3/16	3/16	3/8	1-1/2	stub	CCMG40-606	12065	52065
3/16	3/16	5/8	2	std	CCMG40-606	12019	52019
13/64	1/4	5/8	2-1/2	std	CCMG40-806-1/2	12183	52183
7/32	1/4	5/8	2-1/2	std	CCMG40-807	12185	52185
15/64	1/4	3/4	2-1/2	std	CCMG40-807-1/2	12187	52187
1/4	1/4	1/2	2	stub	CCMG40-808	12037	52037
1/4	1/4	3/4	2-1/2	std	CCMG40-808	12089	52089
17/64	5/16	3/4	2-1/2	std	CCMG40-1008-1/2	12020	52020
9/32	5/16	3/4	2-1/2	std	CCMG40-1009	12021	52021
5/16	5/16	1/2	2	stub	CCMG40-1010	12107	52107
5/16	5/16	13/16	2-1/2	std	CCMG40-1010	12023	52023
21/64	3/8	7/8	2-1/2	std	CCMG40-1210-1/2	12143	52143
11/32	3/8	7/8	2-1/2	std	CCMG40-1211	12145	52145
3/8	3/8	5/8	2	stub	CCMG40-1212	12103	52103
3/8	3/8	1	2-1/2	std	CCMG40-1212	12147	52147
13/32	7/16	1	2-3/4	std	CCMG40-1413	12151	52151
27/64	7/16	1	2-3/4	std	CCMG40-1413-1/2	12153	52153
7/16	7/16	1	2-3/4	std	CCMG40-1414	12155	52155
29/64	1/2	1	3	std	CCMG40-1614-1/2	12157	52157
1/2	1/2	5/8	2-1/2	stub	CCMG40-1616	12063	52063
1/2	1/2	1	3	std	CCMG40-1616	12077	52077
9/16	9/16	1-1/4	3-1/2	std	CCMG40-1818	12161	52161
5/8	5/8	3/4	3	stub	CCMG40-2020	12105	52105
5/8	5/8	1-1/4	3-1/2	std	CCMG40-2020	12163	52163
3/4	3/4	1-1/2	4	std	CCMG40-2424	12165	52165
1	1	1-1/2	4	std	CCMG40-3232	12167	52167



4 FLUTE • 40° HELIX BALL NOSE END MILLS



SERIES: CCMG40-__-B

DIA	SHK	LOC	OAL	LENGTH	TOOL	BRIGHT EDP	ALTIN EDP
1/32	1/8	3/32	1-1/2	std	CCMG40-401-B	12173	52173
1/16	1/8	3/16	1-1/2	std	CCMG40-402-B	12101	52101
3/32	1/8	3/8	1-1/2	std	CCMG40-403-B	12179	52179
1/8	1/8	1/2	1-1/2	std	CCMG40-404-B	12025	52025
5/32	3/16	9/16	2	std	CCMG40-605-B	12027	52027
3/16	3/16	5/8	2	std	CCMG40-606-B	12029	52029
7/32	1/4	5/8	2-1/2	std	CCMG40-807-B	12189	52189
1/4	1/4	3/4	2-1/2	std	CCMG40-808-B	12031	52031
5/16	5/16	13/16	2-1/2	std	CCMG40-1010-B	12141	52141
3/8	3/8	1	2-1/2	std	CCMG40-1212-B	12149	52149
1/2	1/2	1	3	std	CCMG40-1616-B	12159	52159