

EXPERIENCE • TECHNOLOGY • PERFORMANCE • PRODUCTIVITY



MELIN MICRO END MILLS



*Ideal for the medical and electronic industries.
Square End, Ball Nose and Long Length Standards!*



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SOLID CARBIDE END MILLS



Melin Tool manufactures its complete portfolio of high quality, high precision solid carbide **Micro** end mills on state-of-the-art CNC grinding machines in our Cleveland, Ohio facility. Utilizing robotic loaders for production runs and simulated programming, the consistency our tools have in their compliance to exacting specifications and, in turn, the performance they provide our user customers is second to none. In addition to a wide range of standard sizes, from 0.005" through 0.100", Melin provides that same consistency in custom design tools with fast delivery and competitive pricing.

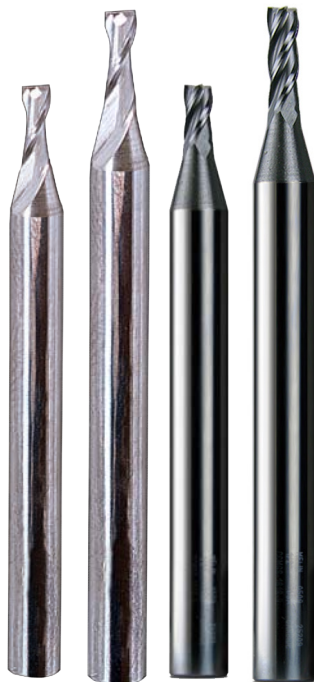
Ideal for metalworking machine shops serving the medical & dental instrument, medical implant, electronic industries, mold & die, and small parts manufacturers, Melin **Micro** end mills provide the styles, size range, and precision geometry these industries demand from world class suppliers.

SQUARE END MILLS - ALL DECIMAL SIZES

DECIMAL LENGTHS

2 AND 4 FLUTE, SQUARE END

STUB LENGTH
STD LENGTH
LONG LENGTH



- > Available in TiN (2), TiCN (4) or AlTiN (5) coating.
- > Made from premium submicron grain carbide.
- > Tolerance +.0005/-0.0005



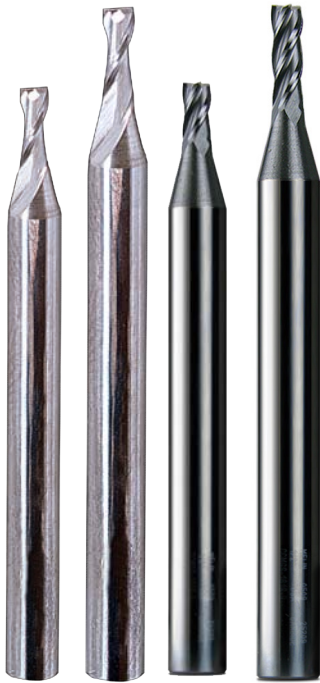
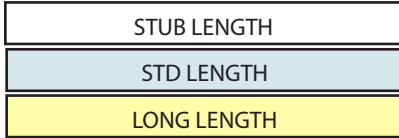
2 FLUTE		4 FLUTE		DIA	SHK	LOC	OAL
TOOL	EDP	TOOL	EDP				
AMGS-.005	16629	CCMGS-.005	17126	0.005	1/8	0.008	1 1/2
AMG-.005	10615	CCMG-.005	17128	0.005	1/8	0.015	1 1/2
AMGS-.006	16630	CCMGS-.006	17129	0.006	1/8	0.009	1 1/2
AMG-.006	16636	CCMG-.006	17130	0.006	1/8	0.018	1 1/2
AMGS-.007	16638	CCMGS-.007	17132	0.007	1/8	0.011	1 1/2
AMG-.007	16640	CCMG-.007	17133	0.007	1/8	0.021	1 1/2
AMGS-.008	16643	CCMGS-.008	17134	0.008	1/8	0.012	1 1/2
AMG-.008	16651	CCMG-.008	17135	0.008	1/8	0.024	1 1/2
AMGS-.009	16652	CCMGS-.009	17136	0.009	1/8	0.014	1 1/2
AMG-.009	16653	CCMG-.009	17137	0.009	1/8	0.027	1 1/2
AMGS-.010	16654	CCMGS-.010	17370	0.010	1/8	0.015	1 1/2
AMG-.010	10617	CCMG-.010	10655	0.010	1/8	0.030	1 1/2
AMGS-.011	16655	CCMGS-.011	17452	0.011	1/8	0.017	1 1/2
AMG-.011	16658	CCMG-.011	17453	0.011	1/8	0.033	1 1/2
AMGS-.012	16659	CCMGS-.012	17454	0.012	1/8	0.018	1 1/2
AMG-.012	16660	CCMG-.012	17455	0.012	1/8	0.036	1 1/2
AMGS-.013	16670	CCMGS-.013	17456	0.013	1/8	0.020	1 1/2
AMG-.013	16671	CCMG-.013	17457	0.013	1/8	0.039	1 1/2
AMGS-.014	16672	CCMGS-.014	17458	0.014	1/8	0.021	1 1/2
AMG-.014	16673	CCMG-.014	17459	0.014	1/8	0.042	1 1/2
AMGS-.015	16674	CCMGS-.015	17460	0.015	1/8	0.023	1 1/2
AMG-.015	10619	CCMG-.015	10657	0.015	1/8	0.045	1 1/2
-	-	CCMG-.0150-LF	12379	0.015	1/8	0.075	2 1/2
AMGS-.016	16675	CCMGS-.016	17461	0.016	1/8	0.024	1 1/2
AMG-.016	16676	CCMG-.016	17462	0.016	1/8	0.048	1 1/2
AMGS-.017	16677	CCMGS-.017	17463	0.017	1/8	0.026	1 1/2
AMG-.017	16678	CCMG-.017	17464	0.017	1/8	0.051	1 1/2
AMGS-.018	16679	CCMGS-.018	17465	0.018	1/8	0.027	1 1/2
AMG-.018	16680	CCMG-.018	17466	0.018	1/8	0.054	1 1/2
AMGS-.019	16681	CCMGS-.019	17467	0.019	1/8	0.029	1 1/2
AMG-.019	16682	CCMG-.019	17468	0.019	1/8	0.057	1 1/2
AMGS-.020	16683	CCMGS-.020	17469	0.020	1/8	0.030	1 1/2
AMG-.020	10621	CCMG-.020	10659	0.020	1/8	0.060	1 1/2
-	-	CCMG-.0200-LF	12380	0.020	1/8	0.100	2 1/2
AMGS-.021	16684	CCMGS-.021	17470	0.021	1/8	0.032	1 1/2
AMG-.021	16685	CCMG-.021	17471	0.021	1/8	0.063	1 1/2
AMGS-.022	16686	CCMGS-.022	17472	0.022	1/8	0.033	1 1/2

*Sizes continue on next page

To order coated tools, add TiN, TiCN, or AlTiN after the tool name or change the first digit of the EDP to 2 for TN, 4 for TiCN, or 5 for AlTiN.

SQUARE END MILLS - ALL DECIMAL SIZES

DECIMAL LENGTHS
2 AND 4 FLUTE, SQUARE END



- > Available in TiN (2), TiCN (4) or AlTiN (5) coating.
- > Made from premium submicron grain carbide.
- > Tolerance +.0005/-0.0005



2 FLUTE		4 FLUTE		DIA	SHK	LOC	OAL
TOOL	EDP	TOOL	EDP				
AMG-.022	16687	CCMG-.022	17473	0.022	1/8	0.066	1 1/2
AMGS-.023	16688	CCMGS-.023	17474	0.023	1/8	0.035	1 1/2
AMG-.023	16689	CCMG-.023	17475	0.023	1/8	0.069	1 1/2
AMGS-.024	16690	CCMGS-.024	17476	0.024	1/8	0.036	1 1/2
AMG-.024	16691	CCMG-.024	17477	0.024	1/8	0.072	1 1/2
AMGS-.025	16692	CCMGS-.025	17478	0.025	1/8	0.038	1 1/2
AMG-.025	10623	CCMG-.025	10661	0.025	1/8	0.075	1 1/2
-	-	CCMG-.0250-LF	12585	0.0250	1/8	0.125	2 1/2
AMGS-.026	16693	CCMGS-.026	17479	0.026	1/8	0.039	1 1/2
AMG-.026	16694	CCMG-.026	17480	0.026	1/8	0.078	1 1/2
AMGS-.027	16695	CCMGS-.027	17481	0.027	1/8	0.041	1 1/2
AMG-.027	16696	CCMG-.027	17482	0.027	1/8	0.081	1 1/2
AMGS-.028	16697	CCMGS-.028	17483	0.028	1/8	0.042	1 1/2
AMG-.028	16745	CCMG-.028	17484	0.028	1/8	0.084	1 1/2
AMGS-.029	16763	CCMGS-.029	17485	0.029	1/8	0.044	1 1/2
AMG-.029	16781	CCMG-.029	17486	0.029	1/8	0.087	1 1/2
AMGS-.030	16908	CCMGS-.030	17487	0.030	1/8	0.045	1 1/2
AMG-.030	10625	CCMG-.030	10663	0.030	1/8	0.090	1 1/2
-	-	CCMG-.0300-LF	12381	0.030	1/8	0.150	2 1/2
AMGS-.031	16916	CCMGS-.031	17488	0.031	1/8	0.047	1 1/2
AMG-.031	16917	CCMG-.031	17489	0.031	1/8	0.093	1 1/2
-	-	CCMG-.0312-LF	12382	0.0312	1/8	0.150	2 1/2
AMGS-.032	16918	CCMGS-.032	17490	0.032	1/8	0.048	1 1/2
AMG-.032	16919	CCMG-.032	17491	0.032	1/8	0.096	1 1/2
AMGS-.033	16920	CCMGS-.033	17492	0.033	1/8	0.050	1 1/2
AMG-.033	16921	CCMG-.033	17493	0.033	1/8	0.099	1 1/2
AMGS-.034	16922	CCMGS-.034	17494	0.034	1/8	0.051	1 1/2
AMG-.034	16923	CCMG-.034	17495	0.034	1/8	0.102	1 1/2
AMGS-.035	16924	CCMGS-.035	17496	0.035	1/8	0.053	1 1/2
AMG-.035	10627	CCMG-.035	10665	0.035	1/8	0.105	1 1/2
-	-	CCMG-.0350-LF	12587	0.035	1/8	0.175	2 1/2
AMGS-.040	16925	CCMGS-.040	17497	0.040	1/8	0.060	1 1/2
AMG-.040	10629	CCMG-.040	10667	0.040	1/8	0.120	1 1/2
-	-	CCMG-.0400-LF	12383	0.040	1/8	0.200	2 1/2
AMGS-.045	16932	CCMGS-.045	17498	0.045	1/8	0.068	1 1/2
AMG-.045	10631	CCMG-.045	10669	0.045	1/8	0.135	1 1/2
-	-	CCMG-.0450-LF	12384	0.045	1/8	0.250	2 1/2
-	-	CCMG-.0469-LF	12385	0.0469	1/8	0.250	2 1/2
AMGS-.050	16937	CCMGS-.050	17499	0.050	1/8	0.075	1 1/2
AMG-.050	10633	CCMG-.050	10671	0.050	1/8	0.150	1 1/2
-	-	CCMG-0500-LF	12386	0.050	1/8	0.300	2-1/2
AMGS-.055	17000	CCMGS-.055	17637	0.055	1/8	0.083	1 1/2
AMG-.055	10635	CCMG-.055	10673	0.055	1/8	0.165	1 1/2
AMGS-.060	17116	CCMGS-.060	17643	0.060	1/8	0.090	1 1/2
AMG-.060	10637	CCMG-.060	10675	0.060	1/8	0.180	1 1/2
-	-	CCMG-.0600-LF	12387	0.060	1/8	0.500	2 1/2
-	-	CCMG-.0625-LF	12388	0.0625	1/8	0.500	2 1/2
AMGS-.065	17117	CCMGS-.065	17645	0.065	1/8	0.098	1 1/2
AMG-.065	10639	CCMG-.065	10677	0.065	1/8	0.195	1 1/2

*Sizes continue on next page

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SQUARE END MILLS - ALL DECIMAL SIZES

DECIMAL LENGTHS

2 AND 4 FLUTE, SQUARE END

STUB LENGTH
STD LENGTH
LONG LENGTH



2 FLUTE		4 FLUTE		DIA	SHK	LOC	OAL
TOOL	EDP	TOOL	EDP				
AMGS-.070	17118	CCMGS-.070	17647	0.070	1/8	0.105	1 1/2
AMG-.070	10641	CCMG-.070	10679	0.070	1/8	0.210	1 1/2
AMGS-.075	17119	CCMGS-.075	17649	0.075	1/8	0.113	1 1/2
AMG-.075	10643	CCMG-.075	10681	0.075	1/8	0.225	1 1/2
-	-	CCMG-.0750-LF	12389	0.075	1/8	0.500	2 1/2
-	-	CCMG-.0781-LF	10540	0.0781	1/8	0.500	2 1/2
AMGS-.080	17120	CCMGS-.080	17651	0.080	1/8	0.120	1 1/2
AMG-.080	10645	CCMG-.080	10683	0.080	1/8	0.240	1 1/2
AMGS-.085	17121	CCMGS-.085	17653	0.085	1/8	0.128	1 1/2
AMG-.085	10647	CCMG-.085	10685	0.085	1/8	0.255	1 1/2
AMGS-.090	17122	CCMGS-.090	17656	0.090	1/8	0.135	1 1/2
AMG-.090	10649	CCMG-.090	10687	0.090	1/8	0.270	1 1/2
-	-	CCMG-.0900-LF	12390	0.0900	1/8	0.500	2 1/2
-	-	CCMG-.0937-LF	12589	0.0937	1/8	0.600	2 1/2
AMGS-.095	17123	CCMGS-.095	17657	0.095	1/8	0.143	1 1/2
AMG-.095	10651	CCMG-.095	10689	0.095	1/8	0.285	1 1/2
AMGS-.100	17124	CCMGS-.100	17663	0.100	1/8	0.150	1 1/2
AMG-.100	10653	CCMG-.100	10691	0.100	1/8	0.300	1 1/2

*End of list

SQUARE END MILLS - ALL FRACTIONAL SIZES

FRACTIONAL SIZES

2 AND 4 FLUTE, SQUARE END

STUB LENGTH
STD LENGTH
LONG LENGTH

2 FLUTE		4 FLUTE		DIA	SHK	LOC	OAL
TOOL	EDP	TOOL	EDP				
AMG-400-1/2	13385	CCMG-400-1/2	13386	1/64	1/8	3/64	1-1/2
AMGS-401	16146	CCMGS-401	16224	1/32	1/8	1/16	1-1/2
AMG-401	14000	CCMG-401	14121	1/32	1/8	3/32	1-1/2
AMGS-401-1/2	16147	CCMGS-401-1/2	16225	3/64	1/8	3/32	1-1/2
AMG-401-1/2	14002	CCMG-401-1/2	14122	3/64	1/8	1/8	1-1/2
AMGS-402	16148	CCMGS-402	16226	1/16	1/8	1/8	1-1/2
AMG-402	14004	CCMG-402	14124	1/16	1/8	3/16	1-1/2
-	-	CCMG-402-M	11040	1/16	1/8	1/4	1-1/2
AMG-402-L	11521	CCMG-402-L	17860	1/16	1/8	3/8	1-1/2
AMGS-402-1/2	11517	CCMGS-402-1/2	16595	5/64	1/8	1/8	1-1/2
-	-	CCMG-402-1/2-M	11042	5/64	1/8	1/4	1-1/2
AMG-402-12	14006	CCMG-402-1/2	14126	5/64	1/8	3/16	1-1/2
AMGS-403	16149	CCMGS-403	16227	3/32	1/8	3/16	1-1/2
AMG-403	14008	CCMG-403	14128	3/32	1/8	3/8	1-1/2
AMG-403-L	16060	CCMG-403-L	16186	3/32	1/8	9/16	3
AMGS-403-1/2	14011	CCMGS-403-1/2	14025	7/64	1/8	7/32	1-1/2
AMG-403-1/2	14009	CCMG-403-1/2	14130	7/64	1/8	3/8	1-1/2
AMGS-404	16150	CCMGS-404	16228	1/8	1/8	1/4	1-1/2
AMG-404	14010	CCMG-404	14132	1/8	1/8	1/2	1-1/2
AMG-404-M	11523	CCMG-404-M	11489	1/8	1/8	5/8	2
AMG-404-ML	12751	CCMG-404-ML	12745	1/8	1/8	3/4	2-1/4
AMG-404-L	16061	CCMG-404-L	16071	1/8	1/8	3/4	3
AMG-404-E	16062	CCMG-404-E	16072	1/8	1/8	1	3

*End of list

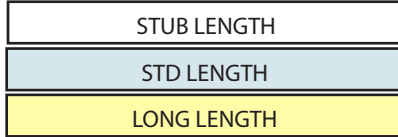
- > Available in TiN (2), TiCN (4) or AlTiN (5) coating.
- > Made from premium submicron grain carbide.
- > Tolerance +.0000/-0.0015



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BALL END MILLS - ALL DECIMAL SIZES

DECIMAL LENGTHS
2 AND 4 FLUTE, BALL END



- > Available in TiN (2), TiCN (4) or AlTiN (5) coating.
- > Made from premium submicron grain carbide.
- > Tolerance +.0005/- .0005



TiN (2) TiCN (4) AlTiN (5)

2 FLUTE BALL		4 FLUTE BALL		DIA	SHK	LOC	OAL
TOOL	EDP	TOOL	EDP				
AMGS-.005-B	17665	-	-	0.005	1/8	0.008	1 1/2
AMG-.005-B	17671	-	-	0.005	1/8	0.015	1 1/2
AMGS-.006-B	17690	-	-	0.006	1/8	0.009	1 1/2
AMG-.006-B	17697	-	-	0.006	1/8	0.018	1 1/2
AMGS-.007-B	17710	-	-	0.007	1/8	0.011	1 1/2
AMG-.007-B	17721	-	-	0.007	1/8	0.021	1 1/2
AMGS-.008-B	17725	-	-	0.008	1/8	0.012	1 1/2
AMG-.008-B	17726	-	-	0.008	1/8	0.024	1 1/2
AMGS-.009-B	17728	-	-	0.009	1/8	0.014	1 1/2
AMG-.009-B	17731	-	-	0.009	1/8	0.027	1 1/2
AMGS-.010-B	17734	CCMGS-.010-B	18860	0.010	1/8	0.015	1 1/2
AMG-.010-B	13142	CCMG-.010-B	13154	0.010	1/8	0.030	1 1/2
AMGS-.011-B	17738	CCMGS-.011-B	18861	0.011	1/8	0.017	1 1/2
AMG-.011-B	17740	CCMG-.011-B	18862	0.011	1/8	0.033	1 1/2
AMGS-.012-B	17742	CCMGS-.012-B	18863	0.012	1/8	0.018	1 1/2
AMG-.012-B	17744	CCMG-.012-B	18864	0.012	1/8	0.036	1 1/2
AMGS-.013-B	17746	CCMGS-.013-B	18865	0.013	1/8	0.020	1 1/2
AMG-.013-B	17748	CCMG-.013-B	18866	0.013	1/8	0.039	1 1/2
AMGS-.014-B	17750	CCMGS-.014-B	18867	0.014	1/8	0.021	1 1/2
AMG-.014-B	17753	CCMG-.014-B	18868	0.014	1/8	0.042	1 1/2
AMGS-.015-B	17758	CCMGS-.015-B	18869	0.015	1/8	0.023	1 1/2
AMG-.015-B	13143	CCMG-.015-B	13155	0.015	1/8	0.045	1 1/2
-	-	CCMG-.0150-LF-B	12392	0.015	1/8	0.075	2 1/2
AMGS-.016-B	17763	CCMGS-.016-B	18870	0.016	1/8	0.024	1 1/2
AMG-.016-B	17765	CCMG-.016-B	18871	0.016	1/8	0.048	1 1/2
AMGS-.017-B	17767	CCMGS-.017-B	18872	0.017	1/8	0.026	1 1/2
AMG-.017-B	17769	CCMG-.017-B	18873	0.017	1/8	0.051	1 1/2
AMGS-.018-B	17771	CCMGS-.018-B	18874	0.018	1/8	0.027	1 1/2
AMG-.018-B	17773	CCMG-.018-B	18875	0.018	1/8	0.054	1 1/2
AMGS-.019-B	17775	CCMGS-.019-B	18876	0.019	1/8	0.029	1 1/2
AMG-.019-B	17777	CCMG-.019-B	18877	0.019	1/8	0.057	1 1/2
AMGS-.020-B	17780	CCMGS-.020-B	18878	0.020	1/8	0.030	1 1/2
AMG-.020-B	13144	CCMG-.020-B	13156	0.020	1/8	0.060	1 1/2
-	-	CCMG-.0200-LF-B	12393	0.020	1/8	0.100	2 1/2
AMGS-.021-B	17785	CCMGS-.021-B	18879	0.021	1/8	0.032	1 1/2
AMG-.021-B	17790	CCMG-.021-B	18880	0.021	1/8	0.063	1 1/2
AMGS-.022-B	17813	CCMGS-.022-B	18881	0.022	1/8	0.033	1 1/2
AMG-.022-B	17963	CCMG-.022-B	18882	0.022	1/8	0.066	1 1/2
AMGS-.023-B	17996	CCMGS-.023-B	18883	0.023	1/8	0.035	1 1/2
AMG-.023-B	17997	CCMG-.023-B	18884	0.023	1/8	0.069	1 1/2
AMGS-.024-B	17998	CCMGS-.024-B	18885	0.024	1/8	0.036	1 1/2
AMG-.024-B	17999	CCMG-.024-B	18916	0.024	1/8	0.072	1 1/2
AMGS-.025-B	18025	CCMGS-.025-B	18917	0.025	1/8	0.038	1 1/2
AMG-.025-B	13145	CCMG-.025-B	13157	0.025	1/8	0.075	1 1/2
-	-	CCMG-.0250-LF-B	12591	0.025	1/8	0.125	2 1/2
AMGS-.026-B	18180	CCMGS-.026-B	18918	0.026	1/8	0.039	1 1/2
AMG-.026-B	18245	CCMG-.026-B	18919	0.026	1/8	0.078	1 1/2
AMGS-.027-B	18246	CCMGS-.027-B	18920	0.027	1/8	0.041	1 1/2
AMG-.027-B	18247	CCMG-.027-B	18921	0.027	1/8	0.081	1 1/2

*Sizes continue on next page

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BALL END MILLS - ALL DECIMAL SIZES

DECIMAL LENGTHS
2 AND 4 FLUTE, BALL END

STUB LENGTH
STD LENGTH
LONG LENGTH



- > Available in TiN (2), TiCN (4) or AlTiN (5) coating.
- > Made from premium submicron grain carbide.
- > Tolerance +.0005/-0.0005



TiN (2) TiCN (4) AlTiN (5)

2 FLUTE BALL		4 FLUTE BALL		DIA	SHK	LOC	OAL
TOOL	EDP	TOOL	EDP				
AMGS-.028-B	18514	CCMGS-.028-B	18922	0.028	1/8	0.042	1 1/2
AMG-.028-B	18519	CCMG-.028-B	18923	0.028	1/8	0.084	1 1/2
AMGS-.029-B	18533	CCMGS-.029-B	18924	0.029	1/8	0.044	1 1/2
AMG-.029-B	18546	CCMG-.029-B	18925	0.029	1/8	0.087	1 1/2
AMGS-.030-B	18556	CCMGS-.030-B	18926	0.030	1/8	0.045	1 1/2
AMG-.030-B	13146	CCMG-.030-B	13158	0.030	1/8	0.090	1 1/2
-	-	CCMG-.0300-LF-B	12394	0.0300	1/8	0.150	2 1/2
AMGS-.031-B	18557	CCMGS-.031-B	18927	0.031	1/8	0.047	1 1/2
AMG-.031-B	18559	CCMG-.031-B	18928	0.031	1/8	0.093	1 1/2
-	-	CCMG-.0312-LF-B	12395	0.0312	1/8	0.150	2 1/2
AMGS-.032-B	18561	CCMGS-.032-B	18929	0.032	1/8	0.048	1 1/2
AMG-.032-B	18563	CCMG-.032-B	18930	0.032	1/8	0.096	1 1/2
AMGS-.033-B	18564	CCMGS-.033-B	18931	0.033	1/8	0.050	1 1/2
AMG-.033-B	18565	CCMG-.033-B	18932	0.033	1/8	0.099	1 1/2
AMGS-.034-B	18566	CCMGS-.034-B	18933	0.034	1/8	0.051	1 1/2
AMG-.034-B	18814	CCMG-.034-B	18934	0.034	1/8	0.102	1 1/2
AMGS-.035-B	18815	CCMGS-.035-B	18935	0.035	1/8	0.053	1 1/2
AMG-.035-B	13147	CCMG-.035-B	13159	0.035	1/8	0.105	1 1/2
-	-	CCMG-.0350-LF-B	12593	0.0350	1/8	0.175	2 1/2
AMGS-.040-B	18816	CCMGS-.040-B	18936	0.040	1/8	0.060	1 1/2
AMG-.040-B	13148	CCMG-.040-B	13160	0.040	1/8	0.120	1 1/2
-	-	CCMG-.0400-LF-B	12396	0.0400	1/8	0.200	2 1/2
AMGS-.045-B	18817	CCMGS-.045-B	18937	0.045	1/8	0.068	1 1/2
AMG-.045-B	18818	CCMG-.045-B	18938	0.045	1/8	0.135	1 1/2
-	-	CCMG-.0450-LF-B	12397	0.045	1/8	0.250	2 1/2
-	-	CCMG-.0469-LF-B	12398	0.0469	1/8	0.250	2 1/2
AMGS-.050-B	18819	CCMGS-.050-B	18939	0.050	1/8	0.075	1 1/2
AMG-.050-B	13149	CCMG-.050-B	13161	0.050	1/8	0.150	1 1/2
-	-	CCMG-0500-LF-B	12399	0.050	1/8	0.300	2-1/2
AMGS-.055-B	18821	CCMGS-.055-B	18940	0.055	1/8	0.083	1 1/2
AMG-.055-B	18822	CCMG-.055-B	18941	0.055	1/8	0.165	1 1/2
AMGS-.060-B	18846	CCMGS-.060-B	18942	0.060	1/8	0.090	1 1/2
AMG-.060-B	13150	CCMG-.060-B	13162	0.060	1/8	0.180	1 1/2
-	-	CCMG-.0600-LF-B	12400	0.060	1/8	0.500	2 1/2
-	-	CCMG-.0625-LF-B	12401	0.0625	1/8	0.500	2 1/2
AMGS-.065-B	18847	CCMGS-.065-B	18943	0.065	1/8	0.098	1 1/2
AMG-.065-B	18848	CCMG-.065-B	18944	0.065	1/8	0.195	1 1/2
AMGS-.070-B	18849	CCMGS-.070-B	18945	0.070	1/8	0.105	1 1/2
AMG-.070-B	13151	CCMG-.070-B	13163	0.070	1/8	0.210	1 1/2
AMGS-.075-B	18850	CCMGS-.075-B	18946	0.075	1/8	0.113	1 1/2
AMG-.075-B	18851	CCMG-.075-B	18947	0.075	1/8	0.225	1 1/2
-	-	CCMG-.0750-LF-B	12402	0.075	1/8	0.500	2 1/2
-	-	CCMG-.0781-LF-B	13023	0.0781	1/8	0.500	2 1/2
AMGS-.080-B	18852	CCMGS-.080-B	18948	0.080	1/8	0.120	1 1/2
AMG-.080-B	13152	CCMG-.080-B	13164	0.080	1/8	0.240	1 1/2
AMGS-.085-B	18853	CCMGS-.085-B	18949	0.085	1/8	0.128	1 1/2
AMG-.085-B	18854	CCMG-.085-B	18950	0.085	1/8	0.255	1 1/2

*Sizes continue on next page

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BALL END MILLS - ALL DECIMAL SIZES

DECIMAL LENGTHS
2 AND 4 FLUTE, BALL END

2 FLUTE BALL		4 FLUTE BALL		DIA	SHK	LOC	OAL
TOOL	EDP	TOOL	EDP				
AMGS-.090-B	18855	CCMGS-.090-B	18951	0.090	1/8	0.135	1 1/2
AMG-.090-B	13153	CCMG-.090-B	13165	0.090	1/8	0.270	1 1/2
-	-	CCMG-.0900-LF-B	12403	0.090	1/8	0.500	2 1/2
-	-	CCMG-.0937-LF-B	12595	0.0937	1/8	0.600	2 1/2
AMGS-.095-B	18856	CCMGS-.095-B	18952	0.095	1/8	0.143	1 1/2
AMG-.095-B	18857	CCMG-.095-B	18953	0.095	1/8	0.285	1 1/2
AMGS-.100-B	18858	CCMGS-.100-B	18954	0.100	1/8	0.150	1 1/2
AMG-.100-B	18859	CCMG-.100-B	18955	0.100	1/8	0.300	1 1/2

BALL END MILLS - ALL FRACTIONAL SIZES

*End of list

FRACTIONAL SIZES
2 AND 4 FLUTE, BALL END

STUB LENGTH
STD LENGTH
LONG LENGTH



2 FLUTE BALL		4 FLUTE BALL		DIA	SHK	LOC	OAL
TOOL	EDP	TOOL	EDP				
AMG-400-1/2-B	13477	CCMG-400-1/2-B	13488	1/64	1/8	3/64	1-1/2
AMGS-401-B	16161	CCMGS-401-B	16239	1/32	1/8	1/16	1-1/2
AMG-401-B	15904	CCMG-401-B	15928	1/32	1/8	3/32	1-1/2
AMGS-401-1/2-B	16162	CCMGS-401-1/2-B	16240	3/64	1/8	3/32	1-1/2
AMG-401-1/2-B	15905	CCMG-401-1/2-B	15929	3/64	1/8	1/8	1-1/2
AMGS-402-B	16163	CCMGS-402-B	16241	1/16	1/8	1/8	1-1/2
AMG-402-B	15906	CCMG-402-B	15930	1/16	1/8	3/16	1-1/2
-	-	CCMG-402-MB	11205	1/16	1/8	1/4	1-1/2
AMG-402-1/2-B	15907	CCMG-402-1/2-B	15931	5/64	1/8	3/16	1-1/2
AMGS-403-B	16164	CCMGS-403-B	16242	3/32	1/8	3/16	1-1/2
AMG-403-B	15908	CCMG-403-B	15932	3/32	1/8	3/8	1-1/2
-	-	CCMGS-403-1/2-B	13985	7/64	1/8	7/32	1-1/2
AMG-403-1/2-B	15909	CCMG-403-1/2-B	15933	7/64	1/8	3/8	1-1/2
AMGS-404-B	16165	CCMGS-404-B	16243	1/8	1/8	1/4	1-1/2
AMG-404-B	14058	CCMG-404-B	14176	1/8	1/8	1/2	1-1/2
AMG-404-LB	16110	CCMG-404-LB	16188	1/8	1/8	3/4	3
AMG-404-EB	16176	CCMG-404-EB	16254	1/8	1/8	1	3

- > Available in TiN (2), TiCN (4) or AlTiN (5) coating.
- > Made from premium submicron grain carbide.
- > Tolerance +.0000/-0.0015

*End of list



MADE IN USA

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SQUARE METRIC END MILLS - ALL SIZES

ALL SIZES
2 AND 4 FLUTE, SQUARE END



2 FLUTE		4 FLUTE		DIA mm	SHK mm	LOC mm	OAL mm
TOOL	EDP	TOOL	EDP				
AMG-M0.2	13649	CCMG-M0.2	13663	0.2	3	0.6	38
AMG-M0.3	13650	CCMG-M0.3	13664	0.3	3	0.9	38
AMG-M0.4	13651	CCMG-M0.4	13665	0.4	3	1.2	38
AMG-M0.5	13652	CCMG-M0.5	13666	0.5	3	1.5	38
AMG-M0.6	13653	CCMG-M0.6	13667	0.6	3	1.8	38
AMG-M0.7	13654	CCMG-M0.7	13668	0.7	3	2.1	38
AMG-M0.8	13655	CCMG-M0.8	13669	0.8	3	2.4	38
AMG-M0.9	13656	CCMG-M0.9	13670	0.9	3	2.7	38
AMG-M3M1	16935	CCMG-M3M1	16933	1.0	3	3.0	38
AMG-M1.1	13658	CCMG-M1.1	13672	1.1	3	3.3	38
AMG-M1.2	13659	CCMG-M1.2	13673	1.2	3	3.6	38
AMG-M1.3	13660	CCMG-M1.3	13674	1.3	3	3.9	38
AMG-M1.4	13661	CCMG-M1.4	13675	1.4	3	4.2	38
AMG-M1.5	13662	CCMG-M1.5	13676	1.5	3	4.5	38

BALL METRIC END MILLS - ALL SIZES

*End of list

ALL SIZES
2 AND 4 FLUTE, BALL END



2 FLUTE		4 FLUTE		DIA mm	SHK mm	LOC mm	OAL mm
TOOL	EDP	TOOL	EDP				
AMG-M0.2-B	13677	CCMG-M0.2-B	13691	0.2	3	0.6	38
AMG-M0.3-B	13678	CCMG-M0.3-B	13692	0.3	3	0.9	38
AMG-M0.4-B	13679	CCMG-M0.4-B	13693	0.4	3	1.2	38
AMG-M0.5-B	13680	CCMG-M0.5-B	13694	0.5	3	1.5	38
AMG-M0.6-B	13681	CCMG-M0.6-B	13695	0.6	3	1.8	38
AMG-M0.7-B	13682	CCMG-M0.7-B	13696	0.7	3	2.1	38
AMG-M0.8-B	13683	CCMG-M0.8-B	13697	0.8	3	2.4	38
AMG-M0.9-B	13684	CCMG-M0.9-B	13698	0.9	3	2.7	38
AMG-M3M1-B	16805	CCMG-M3M1-B	16801	1.0	3	3.0	38
AMG-M1.1-B	13686	CCMG-M1.1-B	13700	1.1	3	3.3	38
AMG-M1.2-B	13687	CCMG-M1.2-B	13701	1.2	3	3.6	38
AMG-M1.3-B	13688	CCMG-M1.3-B	13702	1.3	3	3.9	38
AMG-M1.4-B	13689	CCMG-M1.4-B	13703	1.4	3	4.2	38
AMG-M1.5-B	13690	CCMG-M1.5-B	13704	1.5	3	4.5	38

- > Available in TiN (2), TiCN (4) or AlTiN (5) coating.
- > Made from premium submicron grain carbide.
- > Tolerance +.0127mm/-0.0127mm

*End of list

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