

HIGH PERFORMANCE TOOL CATALOG

AEROSPACE • MEDICAL • DIE & MOLD • ENGINEERING



2016



MELIN HIGH PERFORMANCE CATALOG

- » Aluminum Alloys
- » Titanium Alloys
- » Stainless & Steel Alloys
- » Nickel & Cobalt Based Alloys
- » Hardened Material > 45 HRc
- » Graphite & Composite Materials



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ABOUT Us

Family owned and operated since 1940, Melin Tool began as one of the early manufacturers of end mills. Today, Melin Tool continues to be a leader in offering an ever-expanding product line of our high quality High Performance end mills and other cutting tools such as Drills, Thread Mills, Countersinks, & Specialty Tools.

Our strategy is to manufacture precision rotary shank cutting tools, provide technical solutions, be easy to do business with and exceed all customer expectations.

We are committed to market and support our products and services through industrial distributor partners.

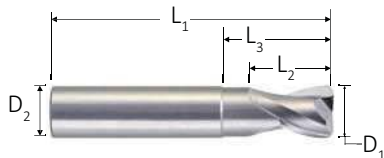
At Melin Tool Company, It is understood that we will not prosper without COMPLETE customer satisfaction. Success at Melin is measured by how well we serve the customers who distribute and use our products.

Quality is an attitude at Melin. It is an every day, every tool, every order commitment to supply products which meet or exceed ALL of the detailed specifications of our customers. Another major quality goal is to monitor and , where possible, improve upon the processes used to achieve this HIGH QUALITY.

Melin Is Committed To Our Customers

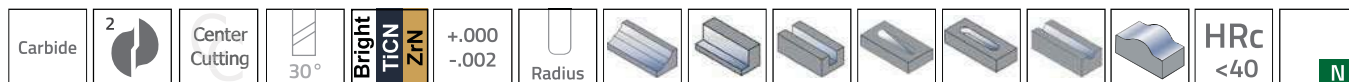


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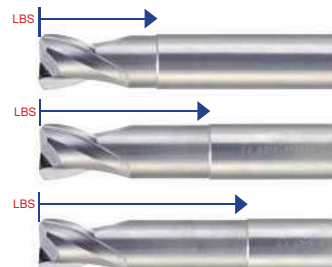
ALUMINUM ALLOYS

2 FLUTE • 30° FOR HIGH VELOCITY MACHINING



Additional coatings - nACRo, DLC & TiB₂ available upon request

- Designed for aggressive machining
- Unique geometry reduces cutting pressures and vibration at high feed rates
- Highly polished OD and flute face prevents chip build-up



No Neck Options Allow You To Order the specific LBS Size You Need!

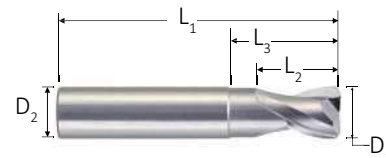
SERIES: HVMG2 ✓ **Check Stock Online**

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/4	1/4	1/2	1-1/2	4	0.030	HVMG2-808-R030	15007	45007	65007	72.54	77.50
1/4	1/4	1/2	1-1/2	4	0.060	HVMG2-808-R060	12154	42154	62154	72.54	77.5
1/4	1/4	1/2	no neck	4	0.030	HVMG2-808-NNR030	15000	45000	65000	72.54	77.5
1/4	1/4	1/2	no neck	4	0.060	HVMG2-808-NNR060	12158	42158	62158	72.54	77.5
1/4	1/4	5/8	1-1/2	4	0.030	HVMG2-808-L1R030	15006	45006	65006	72.54	77.5
1/4	1/4	5/8	1-1/2	4	0.060	HVMG2-808-L1R060	12162	42162	62162	72.54	77.5
3/8	3/8	1/2	1-1/4	3	0.030	HVMG2-1212-R030	15010	45010	65010	74.68	80.50
3/8	3/8	1/2	1-1/4	3	0.060	HVMG2-1212-R060	12166	42166	62166	74.68	80.5
3/8	3/8	1/2	2-1/8	4	0.030	HVMG2-1212-L1R030	15011	45011	65011	77.05	84.81
3/8	3/8	1/2	2-1/8	4	0.060	HVMG2-1212-L1R060	12170	42170	62170	77.05	84.81
3/8	3/8	1/2	no neck	4	0.030	HVMG2-1212-NNR030	15009	45009	65009	77.05	84.81
3/8	3/8	1/2	no neck	4	0.060	HVMG2-1212-NNR060	12174	42174	62174	77.05	84.81
1/2	1/2	5/8	1-1/4	3	0.030	HVMG2-1616-R030	15013	45013	65013	89.49	97.39
1/2	1/2	5/8	1-1/4	3	0.060	HVMG2-1616-R060	12180	42180	62180	89.49	97.39
1/2	1/2	5/8	1-1/4	3	0.090	HVMG2-1616-R090	12188	42188	62188	89.49	97.39
1/2	1/2	5/8	2-1/8	4	0.030	HVMG2-1616-L1R030	15001	45001	65001	102.54	113.07
1/2	1/2	5/8	2-1/8	4	0.060	HVMG2-1616-L1R060	15002	45002	65002	102.54	113.07
1/2	1/2	5/8	2-1/8	4	0.090	HVMG2-1616-L1R090	12190	42190	62190	102.54	113.07
1/2	1/2	5/8	2-1/8	4	0.120	HVMG2-1616-L1R120	12194	42194	62194	102.54	113.07
1/2	1/2	5/8	3-1/8	5	0.030	HVMG2-1616-L2R030	12205	42205	62205	117.86	131.03
1/2	1/2	5/8	3-1/8	5	0.060	HVMG2-1616-L2R060	12206	42206	62206	117.86	131.03
1/2	1/2	5/8	3-1/8	5	0.090	HVMG2-1616-L2R090	12207	42207	62207	117.86	131.03
1/2	1/2	5/8	3-1/8	5	0.120	HVMG2-1616-L2R120	12208	42208	62208	117.86	131.03
1/2	1/2	5/8	no neck	5	0.030	HVMG2-1616-NNR030	15012	45012	65012	117.86	131.03
1/2	1/2	5/8	no neck	5	0.060	HVMG2-1616-NNR060	12209	42209	62209	117.86	131.03
1/2	1/2	5/8	no neck	5	0.090	HVMG2-1616-NNR090	12210	42210	62210	117.86	131.03
1/2	1/2	5/8	no neck	5	0.120	HVMG2-1616-NNR120	12211	42211	62211	117.86	131.03
5/8	5/8	3/4	3-1/8	5	0.030	HVMG2-2020-R030	14792	44792	64792	175.04	191.40
5/8	5/8	3/4	3-1/8	5	0.060	HVMG2-2020-R060	12212	42212	62212	175.04	191.40
5/8	5/8	3/4	3-1/8	5	0.090	HVMG2-2020-R090	15015	45015	65015	175.04	191.40
5/8	5/8	3/4	3-1/8	5	0.120	HVMG2-2020-R120	12213	42213	62213	175.04	191.40

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2 FLUTE • 30° FOR HIGH VELOCITY MACHINING



✓ Check Stock Online

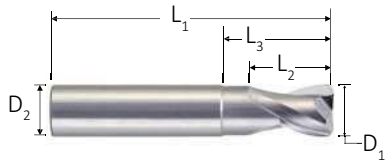
SERIES: HVMG2



DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
5/8	5/8	3/4	no neck	5	0.030	HVMG2-2020-NNR030	15014	45014	65014	175.04	191.40
5/8	5/8	3/4	no neck	5	0.060	HVMG2-2020-NNR060	12214	42214	62214	175.04	191.40
5/8	5/8	3/4	no neck	5	0.090	HVMG2-2020-NNR090	12215	42215	62215	175.04	191.40
5/8	5/8	3/4	no neck	5	0.120	HVMG2-2020-NNR120	12218	42218	62218	175.04	191.40
3/4	3/4	3/4	2	4	0.030	HVMG2-2424-R030	15016	45016	65016	192.58	208.73
3/4	3/4	3/4	2	4	0.060	HVMG2-2424-R060	15003	45003	65003	192.58	208.73
3/4	3/4	3/4	2	4	0.090	HVMG2-2424-R090	12219	42219	62219	192.58	208.73
3/4	3/4	3/4	2	4	0.120	HVMG2-2424-R120	15004	45004	65004	192.58	208.73
3/4	3/4	1	3	5	0.030	HVMG2-2424-L1R030	14798	44798	64798	229.88	250.07
3/4	3/4	1	3	5	0.060	HVMG2-2424-L1R060	15008	45008	65008	229.88	250.07
3/4	3/4	1	3	5	0.090	HVMG2-2424-L1R090	12225	42225	62225	229.88	250.07
3/4	3/4	1	3	5	0.120	HVMG2-2424-L1R120	12226	42226	62226	229.88	250.07
3/4	3/4	1	no neck	6	0.030	HVMG2-2424-NNR030	14543	44543	64543	268.65	292.88
3/4	3/4	1	no neck	6	0.060	HVMG2-2424-NNR060	14669	44669	64669	268.65	292.88
3/4	3/4	1	no neck	6	0.090	HVMG2-2424-NNR090	12227	42227	62227	268.65	292.88
3/4	3/4	1	no neck	6	0.120	HVMG2-2424-NNR120	12228	42228	62228	268.65	292.88
1	1	3/4	2	4	0.030	HVMG2-3232-R030	12229	42229	62229	307.21	338.81
1	1	3/4	2	4	0.060	HVMG2-3232-R060	14797	44797	64797	307.21	338.81
1	1	3/4	2	4	0.090	HVMG2-3232-R090	15201	45201	65201	307.21	338.81
1	1	3/4	2	4	0.120	HVMG2-3232-R120	15005	45005	65005	307.21	338.81
1	1	1-1/4	2-3/4	5	0.030	HVMG2-3232-L1R030	12234	42234	62234	354.56	394.06
1	1	1-1/4	2-3/4	5	0.060	HVMG2-3232-L1R060	15018	45018	65018	354.56	394.06
1	1	1-1/4	2-3/4	5	0.090	HVMG2-3232-L1R090	15203	45203	65203	354.56	394.06
1	1	1-1/4	2-3/4	5	0.120	HVMG2-3232-L1R120	12237	42237	62237	354.56	394.06
1	1	1-1/4	no neck	6	0.030	HVMG2-3232-NNR030	15017	45017	65017	402.59	449.99
1	1	1-1/4	no neck	6	0.060	HVMG2-3232-NNR060	14840	44840	64840	402.59	449.99
1	1	1-1/4	no neck	6	0.090	HVMG2-3232-NNR090	12364	42364	62364	402.59	449.99
1	1	1-1/4	no neck	6	0.120	HVMG2-3232-NNR120	12367	42367	62367	402.59	449.99
1-1/4	1-1/4	1-1/4	2	4-1/2	0.030	HVMG2-4040-R030	12369	42369	62369	525.47	565.12
1-1/4	1-1/4	1-1/4	2	4-1/2	0.060	HVMG2-4040-R060	12496	42496	62496	525.47	565.12
1-1/4	1-1/4	1-1/4	2	4-1/2	0.090	HVMG2-4040-R090	12510	42510	62510	525.47	565.12
1-1/4	1-1/4	1-1/4	2	4-1/2	0.120	HVMG2-4040-R120	12514	42514	62514	525.47	565.12
1-1/4	1-1/4	1-1/4	2-5/8	6	0.030	HVMG2-4040-L1R030	12522	42522	62522	646.12	693.70
1-1/4	1-1/4	1-1/4	2-5/8	6	0.060	HVMG2-4040-L1R060	14161	44161	64161	646.12	693.70
1-1/4	1-1/4	1-1/4	2-5/8	6	0.090	HVMG2-4040-L1R090	14163	44163	64163	646.12	693.70
1-1/4	1-1/4	1-1/4	2-5/8	6	0.120	HVMG2-4040-L1R120	14165	44165	64165	646.12	693.70

*No Neck - Customize your LBS length

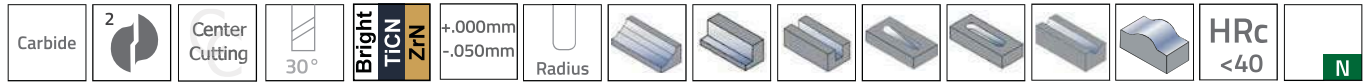
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ALUMINUM ALLOYS

2 FLUTE • 30° FOR HIGH VELOCITY MACHINING



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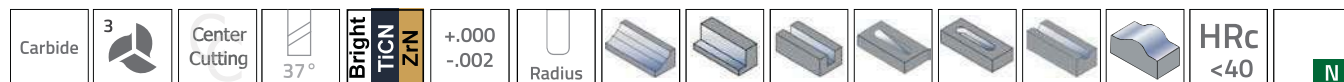
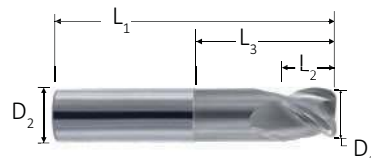
SERIES: HVMG2-M_M_ [✓ Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
10mm	10mm	12mm	36mm	80mm	1mm	HVMG2-M10M10-R1.0	14167	44167	64167	81.45	90.35
10mm	10mm	12mm	36mm	80mm	1.5mm	HVMG2-M10M10-R1.5	14169	44169	64169	81.45	90.35
10mm	10mm	12mm	50mm	100mm	1mm	HVMG2-M10M10-L1R1.0	14171	44171	64171	88.11	98.28
10mm	10mm	12mm	50mm	100mm	1.5mm	HVMG2-M10M10-L1R1.5	14173	44173	64173	88.11	98.28
12mm	12mm	14mm	40mm	90mm	1mm	HVMG2-M12M12-R1.0	14175	44175	64175	116.07	125.29
12mm	12mm	14mm	40mm	90mm	1.5mm	HVMG2-M12M12-R1.5	14672	44672	64672	116.07	125.29
12mm	12mm	14mm	70mm	125mm	1mm	HVMG2-M12M12-L1R1.0	14673	44673	64673	159.21	172.38
12mm	12mm	14mm	70mm	125mm	1.5mm	HVMG2-M12M12-L1R1.5	14674	44674	64674	159.21	172.38
16mm	16mm	18mm	31mm	100mm	1mm	HVMG2-M16M16-R1.0	14675	44675	64675	176.39	192.54
16mm	16mm	18mm	31mm	100mm	1.5mm	HVMG2-M16M16-R1.5	14676	44676	64676	176.39	192.54
16mm	16mm	18mm	31mm	100mm	3mm	HVMG2-M16M16-R3.0	14689	44689	64689	176.39	192.54
16mm	16mm	18mm	80mm	150mm	1mm	HVMG2-M16M16-L1R1.0	14690	44690	64690	204.80	229.03
16mm	16mm	18mm	80mm	150mm	1.5mm	HVMG2-M16M16-L1R1.5	14691	44691	64691	204.80	229.03
16mm	16mm	18mm	80mm	150mm	3mm	HVMG2-M16M16-L1R3.0	14692	44692	64692	204.80	229.03
20mm	20mm	24mm	45mm	100mm	1mm	HVMG2-M20M20-R1.0	14693	44693	64693	214.71	240.36
20mm	20mm	24mm	45mm	100mm	1.5mm	HVMG2-M20M20-R1.5	14694	44694	64694	214.71	240.36
20mm	20mm	24mm	45mm	100mm	3mm	HVMG2-M20M20-R3.0	14695	44695	64695	214.71	240.36
20mm	20mm	24mm	100mm	145mm	1mm	HVMG2-M20M20-L1R1.0	14696	44696	64696	270.41	308.89
20mm	20mm	24mm	100mm	145mm	1.5mm	HVMG2-M20M20-L1R1.5	14697	44697	64697	270.41	308.89
20mm	20mm	24mm	100mm	145mm	3mm	HVMG2-M20M20-L1R3.0	14698	44698	64698	270.41	308.89
25mm	25mm	26mm	30mm	110mm	1mm	HVMG2-M25M25-R1.0	14699	44699	64699	336.01	371.56
25mm	25mm	26mm	30mm	110mm	1.5mm	HVMG2-M25M25-R1.5	14834	44834	64834	336.01	371.56
25mm	25mm	26mm	30mm	110mm	3mm	HVMG2-M25M25-R3.0	14835	44835	64835	336.01	371.56
25mm	25mm	26mm	80mm	145mm	1mm	HVMG2-M25M25-L1R1.0	14837	44837	64837	385.46	432.86
25mm	25mm	26mm	80mm	145mm	1.5mm	HVMG2-M25M25-L1R1.5	14838	44838	64838	385.46	432.86
25mm	25mm	26mm	80mm	145mm	3mm	HVMG2-M25M25-L1R3.0	14839	44839	64839	385.46	432.86

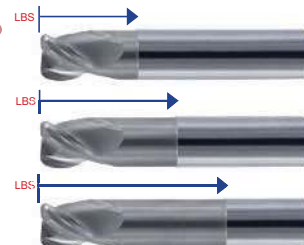
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3 FLUTE • 37° FOR HIGH VELOCITY MACHINING

Additional coatings - nACRo, DLC & TiB₂ available upon request

- › Designed for aggressive machining
- › Unique geometry reduces cutting pressures and vibration at high feed rates
- › Highly polished OD and flute face prevents chip build-up
- › Wiper flat for improved floor finishes



SERIES: HVMG3 ✓ Check Stock Online

No Neck Options Allow You To
Order the specific LBS Size You Need!

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/4	1/4	1/2	1-1/2	4	0.030	HVMG3-808-R030	14853	44853	64853	72.54	77.50
1/4	1/4	1/2	1-1/2	4	0.060	HVMG3-808-R060	14854	44854	64854	72.54	77.50
1/4	1/4	1/2	no neck	4	0.030	HVMG3-808-NNR030	14855	44855	64855	72.54	77.50
1/4	1/4	1/2	no neck	4	0.060	HVMG3-808-NNR060	14856	44856	64856	72.54	77.50
1/4	1/4	5/8	1-1/2	4	0.030	HVMG3-808-L1R030	14857	44857	64857	72.54	77.50
1/4	1/4	5/8	1-1/2	4	0.060	HVMG3-808-L1R060	14858	44858	64858	72.54	77.50
3/8	3/8	1/2	1-1/4	3	0.030	HVMG3-1212-R030	14859	44859	64859	74.68	80.50
3/8	3/8	1/2	1-1/4	3	0.060	HVMG3-1212-R060	14860	44860	64860	74.68	80.50
3/8	3/8	1/2	2-1/8	4	0.030	HVMG3-1212-L1R030	14861	44861	64861	77.05	84.81
3/8	3/8	1/2	2-1/8	4	0.060	HVMG3-1212-L1R060	14862	44862	64862	77.05	84.81
3/8	3/8	1/2	no neck	4	0.030	HVMG3-1212-NNR030	14863	44863	64863	77.05	84.81
3/8	3/8	1/2	no neck	4	0.060	HVMG3-1212-NNR060	14864	44864	64864	77.05	84.81
1/2	1/2	5/8	1-1/4	3	0.030	HVMG3-1616-R030	14865	44865	64865	89.49	97.39
1/2	1/2	5/8	1-1/4	3	0.060	HVMG3-1616-R060	14866	44866	64866	89.49	97.39
1/2	1/2	5/8	1-1/4	3	0.090	HVMG3-1616-R090	14867	44867	64867	89.49	97.39
1/2	1/2	5/8	2-1/8	4	0.030	HVMG3-1616-L1R030	14868	44868	64868	102.54	113.07
1/2	1/2	5/8	2-1/8	4	0.060	HVMG3-1616-L1R060	14870	44870	64870	102.54	113.07
1/2	1/2	5/8	2-1/8	4	0.090	HVMG3-1616-L1R090	14871	44871	64871	102.54	113.07
1/2	1/2	5/8	2-1/8	4	0.120	HVMG3-1616-L1R120	14872	44872	64872	102.54	113.07
1/2	1/2	5/8	3-1/8	5	0.030	HVMG3-1616-L2R030	14873	44873	64873	117.86	131.03
1/2	1/2	5/8	3-1/8	5	0.060	HVMG3-1616-L2R060	14874	44874	64874	117.86	131.03
1/2	1/2	5/8	3-1/8	5	0.090	HVMG3-1616-L2R090	14876	44876	64876	117.86	131.03
1/2	1/2	5/8	3-1/8	5	0.120	HVMG3-1616-L2R120	14877	44877	64877	117.86	131.03
1/2	1/2	5/8	no neck	5	0.030	HVMG3-1616-NNR030	14878	44878	64878	117.86	131.03
1/2	1/2	5/8	no neck	5	0.060	HVMG3-1616-NNR060	14879	44879	64879	117.86	131.03
1/2	1/2	5/8	no neck	5	0.090	HVMG3-1616-NNR090	14880	44880	64880	117.86	131.03
1/2	1/2	5/8	no neck	5	0.120	HVMG3-1616-NNR120	14881	44881	64881	117.86	131.03
5/8	5/8	3/4	3-1/8	5	0.030	HVMG3-2020-R030	14882	44882	64882	175.04	16.985
5/8	5/8	3/4	3-1/8	5	0.060	HVMG3-2020-R060	14883	44883	64883	175.04	16.985
5/8	5/8	3/4	3-1/8	5	0.090	HVMG3-2020-R090	14884	44884	64884	175.04	16.985
5/8	5/8	3/4	3-1/8	5	0.120	HVMG3-2020-R120	14885	44885	64885	175.04	16.985
5/8	5/8	3/4	no neck	5	0.030	HVMG3-2020-NNR030	14886	44886	64886	175.04	16.985
5/8	5/8	3/4	no neck	5	0.060	HVMG3-2020-NNR060	14887	44887	64887	175.04	16.985
5/8	5/8	3/4	no neck	5	0.090	HVMG3-2020-NNR090	14888	44888	64888	175.04	16.985
5/8	5/8	3/4	no neck	5	0.120	HVMG3-2020-NNR120	14889	44889	64889	175.04	16.985

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3 FLUTE • 37° FOR HIGH VELOCITY MACHINING

SERIES: HVMG3 [✓ Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
3/4	3/4	3/4	2	4	0.030	HVMG3-2424-R030	14890	44890	64890	192.58	208.73
3/4	3/4	3/4	2	4	0.060	HVMG3-2424-R060	14891	44891	64891	192.58	208.73
3/4	3/4	3/4	2	4	0.090	HVMG3-2424-R090	14892	44892	64892	192.58	208.73
3/4	3/4	3/4	2	4	0.120	HVMG3-2424-R120	14893	44893	64893	192.58	208.73
3/4	3/4	1	3	5	0.030	HVMG3-2424-L1R030	14894	44894	64894	229.88	250.07
3/4	3/4	1	3	5	0.060	HVMG3-2424-L1R060	14895	44895	64895	229.88	250.07
3/4	3/4	1	3	5	0.090	HVMG3-2424-L1R090	14896	44896	64896	229.88	250.07
3/4	3/4	1	3	5	0.120	HVMG3-2424-L1R120	14897	44897	64897	229.88	250.07
3/4	3/4	1	no neck	6	0.030	HVMG3-2424-NNR030	14898	44898	64898	268.65	292.88
3/4	3/4	1	no neck	6	0.060	HVMG3-2424-NNR060	14899	44899	64899	268.65	292.88
3/4	3/4	1	no neck	6	0.090	HVMG3-2424-NNR090	15810	45810	65810	268.65	292.88
3/4	3/4	1	no neck	6	0.120	HVMG3-2424-NNR120	14932	44932	64932	268.65	292.88
1	1	3/4	2	4	0.030	HVMG3-3232-R030	14933	44933	64933	307.21	338.81
1	1	3/4	2	4	0.060	HVMG3-3232-R060	14934	44934	64934	307.21	338.81
1	1	3/4	2	4	0.090	HVMG3-3232-R090	14935	44935	64935	307.21	338.81
1	1	3/4	2	4	0.120	HVMG3-3232-R120	14936	44936	64936	307.21	338.81
1	1	1-1/4	2-3/4	5	0.030	HVMG3-3232-L1R030	14937	44937	64937	354.56	394.06
1	1	1-1/4	2-3/4	5	0.060	HVMG3-3232-L1R060	14938	44938	64938	354.56	394.06
1	1	1-1/4	2-3/4	5	0.090	HVMG3-3232-L1R090	14939	44939	64939	354.56	394.06
1	1	1-1/4	2-3/4	5	0.120	HVMG3-3232-L1R120	14940	44940	64940	354.56	394.06
1	1	1-1/4	no neck	6	0.030	HVMG3-3232-NNR030	14941	44941	64941	402.59	449.99
1	1	1-1/4	no neck	6	0.060	HVMG3-3232-NNR060	14942	44942	64942	402.59	449.99
1	1	1-1/4	no neck	6	0.090	HVMG3-3232-NNR090	14943	44943	64943	402.59	449.99
1	1	1-1/4	no neck	6	0.120	HVMG3-3232-NNR120	14944	44944	64944	402.59	449.99
1-1/4	1-1/4	1-1/4	2	4-1/2	0.030	HVMG3-4040-R030	14945	44945	64945	525.47	565.12
1-1/4	1-1/4	1-1/4	2	4-1/2	0.060	HVMG3-4040-R060	14946	44946	64946	525.47	565.12
1-1/4	1-1/4	1-1/4	2	4-1/2	0.090	HVMG3-4040-R090	14947	44947	64947	525.47	565.12
1-1/4	1-1/4	1-1/4	2	4-1/2	0.120	HVMG3-4040-R120	14948	44948	64948	525.47	565.12
1-1/4	1-1/4	1-1/4	2-5/8	6	0.030	HVMG3-4040-L1R030	14949	44949	64949	646.12	693.70
1-1/4	1-1/4	1-1/4	2-5/8	6	0.060	HVMG3-4040-L1R060	14950	44950	64950	646.12	693.70
1-1/4	1-1/4	1-1/4	2-5/8	6	0.090	HVMG3-4040-L1R090	14951	44951	64951	646.12	693.70
1-1/4	1-1/4	1-1/4	2-5/8	6	0.120	HVMG3-4040-L1R120	14952	44952	64952	646.12	693.70

*No Neck - Customize your LBS length

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RECOMMENDED ALUMINUM COATINGS

Melin provides SEVERAL coated options to fit your every need!

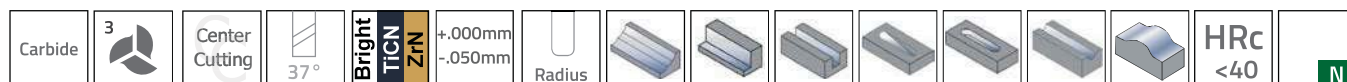
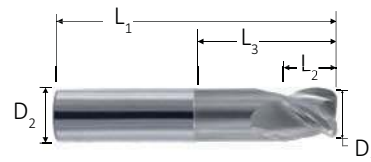
Order any of our tools with a Conventional or High Performance Coating

- TiCN
- ZrN
- nACRo
- DLC
- TiB₂



CONVENTIONAL COATINGS & HIGH PERFORMANCE COATINGS

3 FLUTE • 37° FOR HIGH VELOCITY MACHINING



Additional coatings - nACRo, DLC & TiB₂ available upon request



- Designed for aggressive machining
- Unique geometry reduces cutting pressures and vibration at high feed rates
- Highly polished OD and flute face prevents chip build-up
- Wiper flat for improved floor finishes

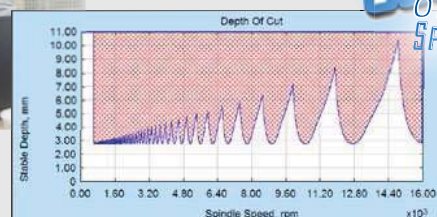
SERIES: HVMG3-M_M_ ✓ [Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
10mm	10mm	12mm	36mm	80mm	1mm	HVMG3-M10M10-R1.0	14953	44953	64953	81.45	90.35
10mm	10mm	12mm	36mm	80mm	1.5mm	HVMG3-M10M10-R1.5	14954	44954	64954	81.45	90.35
10mm	10mm	12mm	50mm	100mm	1mm	HVMG3-M10M10-L1R1.0	14955	44955	64955	88.11	98.28
10mm	10mm	12mm	50mm	100mm	1.5mm	HVMG3-M10M10-L1R1.5	14956	44956	64956	88.11	98.28
12mm	12mm	14mm	40mm	90mm	1mm	HVMG3-M12M12-R1.0	14957	44957	64957	116.07	125.29
12mm	12mm	14mm	40mm	90mm	1.5mm	HVMG3-M12M12-R1.5	14958	44958	64958	116.07	125.29
12mm	12mm	14mm	70mm	125mm	1mm	HVMG3-M12M12-L1R1.0	14959	44959	64959	159.21	172.38
12mm	12mm	14mm	70mm	125mm	1.5mm	HVMG3-M12M12-L1R1.5	14960	44960	64960	159.21	172.38
16mm	16mm	18mm	31mm	100mm	1mm	HVMG3-M16M16-R1.0	14961	44961	64961	176.39	192.54
16mm	16mm	18mm	31mm	100mm	1.5mm	HVMG3-M16M16-R1.5	14962	44962	64962	176.39	192.54
16mm	16mm	18mm	31mm	100mm	3mm	HVMG3-M16M16-R3.0	14963	44963	64963	176.39	192.54
16mm	16mm	18mm	80mm	150mm	1mm	HVMG3-M16M16-L1R1.0	14964	44964	64964	204.80	229.03
16mm	16mm	18mm	80mm	150mm	1.5mm	HVMG3-M16M16-L1R1.5	14965	44965	64965	204.80	229.03
16mm	16mm	18mm	80mm	150mm	3mm	HVMG3-M16M16-L1R3.0	14966	44966	64966	204.80	229.03
20mm	20mm	24mm	45mm	100mm	1mm	HVMG3-M20M20-R1.0	14967	44967	64967	214.71	240.36
20mm	20mm	24mm	45mm	100mm	1.5mm	HVMG3-M20M20-R1.5	14968	44968	64968	214.71	240.36
20mm	20mm	24mm	45mm	100mm	3mm	HVMG3-M20M20-R3.0	14969	44969	64969	214.71	240.36
20mm	20mm	24mm	100mm	145mm	1mm	HVMG3-M20M20-L1R1.0	14970	44970	64970	270.41	308.89
20mm	20mm	24mm	100mm	145mm	1.5mm	HVMG3-M20M20-L1R1.5	14971	44971	64971	270.41	308.89
20mm	20mm	24mm	100mm	145mm	3mm	HVMG3-M20M20-L1R3.0	14972	44972	64972	270.41	308.89
25mm	25mm	26mm	30mm	110mm	1mm	HVMG3-M25M25-R1.0	14973	44973	64973	336.01	371.56
25mm	25mm	26mm	30mm	110mm	1.5mm	HVMG3-M25M25-R1.5	14974	44974	64974	336.01	371.56
25mm	25mm	26mm	30mm	110mm	3mm	HVMG3-M25M25-R3.0	14975	44975	64975	336.01	371.56
25mm	25mm	26mm	80mm	145mm	1mm	HVMG3-M25M25-L1R1.0	14976	44976	64976	385.46	432.86
25mm	25mm	26mm	80mm	145mm	1.5mm	HVMG3-M25M25-L1R1.5	14977	44977	64977	385.46	432.86
25mm	25mm	26mm	80mm	145mm	3mm	HVMG3-M25M25-L1R3.0	14978	44978	64978	385.46	432.86

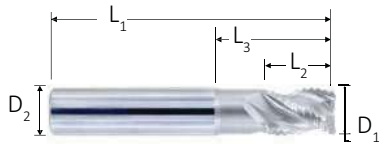
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METALMAX TESTING

Melin's EXPERT technical field application engineers are available to provide **FREE** on-site, "tap testing" analysis of your machine, for fine tuning cutting parameters to dramatically reduce vibration and optimize productivity. Contact your local distributor, our regional sales rep, Melin customer service, or visit us Online to submit a request. www.melintool.com



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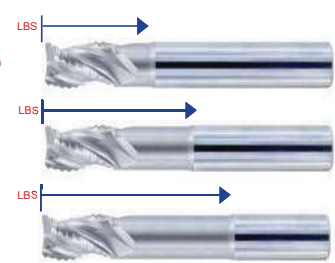
ALUMINUM ALLOYS

3 FLUTE • ROUGHER FOR HIGH VELOCITY MACHINING



Additional coatings - nACRo, DLC & TiB₂ available upon request

- For roughing operations
- Unique geometry reduces cutting pressures and vibration at high feed rates
- Highly polished OD and flute face prevents chip build-up
- Knuckles shorten chip length aiding in chip evacuation



No Neck Options Allow You To Order the specific LBS Size You Need!



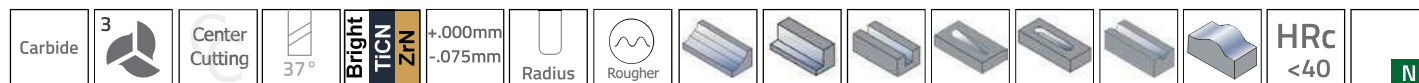
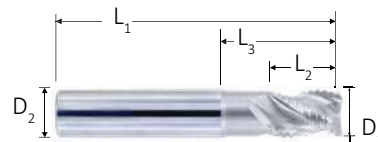
SERIES: HVRMG3 [Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/4	1/4	1/2	1-1/2	4	0.030	HVRMG3-808-R030	14979	44979	64979	87.42	92.38
1/4	1/4	1/2	1-1/2	4	0.060	HVRMG3-808-R060	14981	44981	64981	87.42	92.38
3/8	3/8	1/2	2-1/8	4	0.030	HVRMG3-1212-L1R030	14982	44982	64982	92.61	100.37
3/8	3/8	1/2	2-1/8	4	0.060	HVRMG3-1212-L1R060	14983	44983	64983	92.61	100.37
1/2	1/2	5/8	1-1/4	3	0.030	HVRMG3-1616-R030	14851	44851	64851	106.91	114.81
1/2	1/2	5/8	1-1/4	3	0.060	HVRMG3-1616-R060	14984	44984	64984	106.91	114.81
1/2	1/2	5/8	1-1/4	3	0.090	HVRMG3-1616-R090	14985	44985	64985	106.91	114.81
1/2	1/2	5/8	2-1/8	4	0.030	HVRMG3-1616-L1R030	14986	44986	64986	121.92	132.45
1/2	1/2	5/8	2-1/8	4	0.060	HVRMG3-1616-L1R060	14987	44987	64987	121.92	132.45
1/2	1/2	5/8	2-1/8	4	0.090	HVRMG3-1616-L1R090	14988	44988	64988	121.92	132.45
1/2	1/2	5/8	2-1/8	4	0.120	HVRMG3-1616-L1R120	14989	44989	64989	121.92	132.45
5/8	5/8	3/4	no neck	5	0.030	HVRMG3-2020-NNR030	14994	44994	64994	205.30	221.66
5/8	5/8	3/4	no neck	5	0.060	HVRMG3-2020-NNR060	14995	44995	64995	205.30	221.66
5/8	5/8	3/4	no neck	5	0.090	HVRMG3-2020-NNR090	14996	44996	64996	205.30	221.66
5/8	5/8	3/4	no neck	5	0.120	HVRMG3-2020-NNR120	14997	44997	64997	205.30	221.66
3/4	3/4	3/4	2	4	0.030	HVRMG3-2424-R030	14998	44998	64998	225.47	241.62
3/4	3/4	3/4	2	4	0.060	HVRMG3-2424-R060	14999	44999	64999	225.47	241.62
3/4	3/4	3/4	2	4	0.090	HVRMG3-2424-R090	15019	45019	65019	225.47	241.62
3/4	3/4	3/4	2	4	0.120	HVRMG3-2424-R120	15020	45020	65020	225.47	241.62
3/4	3/4	1	3	5	0.030	HVRMG3-2424-L1R030	15021	45021	65021	268.36	288.55
3/4	3/4	1	3	5	0.060	HVRMG3-2424-L1R060	15022	45022	65022	268.36	288.55
3/4	3/4	1	3	5	0.090	HVRMG3-2424-L1R090	15023	45023	65023	268.36	288.55
3/4	3/4	1	3	5	0.120	HVRMG3-2424-L1R120	15024	45024	65024	268.36	288.55
1	1	3/4	2	4	0.030	HVRMG3-3232-R030	15025	45025	65025	357.29	388.89
1	1	3/4	2	4	0.060	HVRMG3-3232-R060	15026	45026	65026	357.29	388.89
1	1	3/4	2	4	0.090	HVRMG3-3232-R090	15027	45027	65027	357.29	388.89
1	1	3/4	2	4	0.120	HVRMG3-3232-R120	15028	45028	65028	357.29	388.89
1	1	1-1/4	2-3/4	5	0.030	HVRMG3-3232-L1R030	15029	45029	65029	411.74	451.24
1	1	1-1/4	2-3/4	5	0.060	HVRMG3-3232-L1R060	15030	45030	65030	411.74	451.24
1	1	1-1/4	2-3/4	5	0.090	HVRMG3-3232-L1R090	15031	45031	65031	411.74	451.24
1	1	1-1/4	2-3/4	5	0.120	HVRMG3-3232-L1R120	15032	45032	65032	411.74	451.24

*No Neck - Customize your LBS length

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3 FLUTE • ROUGHER FOR HIGH VELOCITY MACHINING



Additional coatings - nACRo, DLC & TiB₂ available upon request

- › For roughing operations
- › Unique geometry reduces cutting pressures and vibration at high feed rates
- › Highly polished OD and flute face prevents chip build-up
- › Knuckles shorten chip length aiding in chip evacuation

SERIES: HVRMG3-M_M_ ✓ [Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
10mm	10mm	12mm	36mm	80mm	1mm	HVRMG3-M10M10-R1.0	15033	45033	65033	97.67	106.57
10mm	10mm	12mm	36mm	80mm	1.5mm	HVRMG3-M10M10-R1.5	15034	45034	65034	97.67	106.57
12mm	12mm	14mm	40mm	90mm	1mm	HVRMG3-M12M12-R1.0	15035	45035	65035	137.48	146.70
12mm	12mm	14mm	40mm	90mm	1.5mm	HVRMG3-M12M12-R1.5	15036	45036	65036	137.48	146.70
16mm	16mm	18mm	31mm	100mm	1mm	HVRMG3-M16M16-R1.0	15037	45037	65037	206.85	223.00
16mm	16mm	18mm	31mm	100mm	1.5mm	HVRMG3-M16M16-R1.5	15038	45038	65038	206.85	223.00
16mm	16mm	18mm	31mm	100mm	3mm	HVRMG3-M16M16-R3.0	15039	45039	65039	206.85	223.00
20mm	20mm	24mm	45mm	100mm	1mm	HVRMG3-M20M20-R1.0	15040	45040	65040	250.92	276.57
20mm	20mm	24mm	45mm	100mm	1.5mm	HVRMG3-M20M20-R1.5	15041	45041	65041	250.92	276.57
20mm	20mm	24mm	45mm	100mm	3mm	HVRMG3-M20M20-R3.0	15042	45042	65042	250.92	276.57
25mm	25mm	26mm	30mm	110mm	1mm	HVRMG3-M25M25-R1.0	15043	45043	65043	447.28	482.83
25mm	25mm	26mm	30mm	110mm	1.5mm	HVRMG3-M25M25-R1.5	15044	45044	65044	447.28	482.83
25mm	25mm	26mm	30mm	110mm	3mm	HVRMG3-M25M25-R3.0	15045	45045	65045	447.28	482.83

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RECOMMENDED ALUMINUM COATINGS

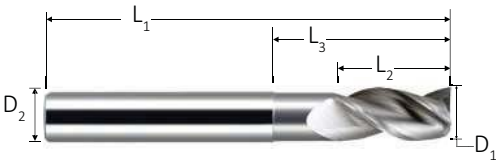
Melin provides SEVERAL coated options to fit your every need!

Order any of our tools with a Conventional or High Performance Coating

- › TiCN
- › ZrN
- › nACRo
- › DLC
- › TiB₂

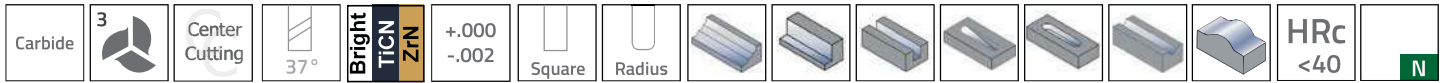


CONVENTIONAL COATINGS & HIGH PERFORMANCE COATINGS


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ALUMINUM ALLOYS

3 FLUTE • 37° END MILL



- Higher chip load per revolution over 2 flute HP tool
- Outstanding in heavy slotting and pocketing operations
- Wiper flat and polish grinds produce superior surface finishes on both walls and floor
- Polished flute face optimizes chip evacuation and avoids chip nesting
- H6 Tolerance shank for use in shrink fit holders

Additional coatings - nACRo, DLC & TiB₂ available upon request

SERIES: EXMG Check Stock Online

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/8	1/8	3/16		1-1/2	SQ*	0.005	EXMG-404-S	12418	42418	62418	12.28	15.20
1/8	1/8	1/4	1/2	1-1/2	SQ*	0.005	EXMG-404	12419	42419	62419	12.44	15.36
1/8	1/8	3/16	11/16	2	SQ*	0.005	EXMG-404-N	12420	42420	62420	15.74	18.54
1/8	1/8	3/8		1-1/2	SQ*	0.005	EXMG-404-L1	14326	44326	64326	12.28	14.38
1/8	1/8	3/8		1-1/2	radius	0.010	EXMG-404-L1R010	14330	44330	64330	12.28	14.38
1/8	1/8	3/8		1-1/2	radius	0.020	EXMG-404-L1R020	14334	44334	64334	12.28	14.38
1/8	1/8	3/8		1-1/2	radius	0.030	EXMG-404-L1R030	14335	44335	64335	12.28	14.38
3/16	3/16	9/32		2	SQ*	0.005	EXMG-606-S	12421	42421	62421	17.18	19.78
3/16	3/16	9/32		2	radius	0.010	EXMG-606-R010S	12553	42553	62553	17.18	19.78
3/16	3/16	9/32	25/32	3	SQ*	0.005	EXMG-606-N	12423	42423	62423	22.31	27.60
3/16	3/16	9/32	25/32	3	radius	0.010	EXMG-606-R010N	12555	42555	62555	22.31	27.60
3/16	3/16	3/8	5/8	2	SQ*	0.005	EXMG-606	12422	42422	62422	17.50	21.00
3/16	3/16	3/8	5/8	2	radius	0.010	EXMG-606-R010	12554	42554	62554	17.50	21.00
3/16	3/16	5/8		2-1/2	SQ*	0.005	EXMG-606-L1	14336	44336	64336	25.92	29.17
3/16	3/16	5/8		2-1/2	radius	0.010	EXMG-606-L1R010	14337	44337	64337	25.92	29.17
3/16	3/16	5/8		2-1/2	radius	0.020	EXMG-606-L1R020	14338	44338	64338	25.92	29.17
3/16	3/16	5/8		2-1/2	radius	0.030	EXMG-606-L1R030	14339	44339	64339	25.92	29.17
1/4	1/4	3/8		2	SQ*	0.007	EXMG-808-S	12424	42424	62424	19.51	24.40
1/4	1/4	3/8		2	radius	0.015	EXMG-808-R015S	12556	42556	62556	19.51	24.40
1/4	1/4	3/8	1-1/8	3	SQ*	0.007	EXMG-808-N	12425	42425	62425	27.49	31.21
1/4	1/4	3/8	1-1/8	3	radius	0.015	EXMG-808-R015N	12558	42558	62558	27.49	31.21
1/4	1/4	3/8	1-1/8	3	radius	0.030	EXMG-808-R030N	14344	44344	64344	27.49	31.21
1/4	1/4	3/8	1-1/8	3	radius	0.060	EXMG-808-R060N	14349	44349	64349	27.49	31.21
1/4	1/4	1/2	3/4	2-1/2	SQ*	0.007	EXMG-808	11775	41775	61775	21.80	26.64
1/4	1/4	1/2	3/4	2-1/2	radius	0.015	EXMG-808-R015	12557	42557	62557	21.80	26.64
1/4	1/4	1/2	3/4	2-1/2	radius	0.030	EXMG-808-R030	14354	44354	64354	21.8	26.64
1/4	1/4	1/2	3/4	2-1/2	radius	0.060	EXMG-808-R060	14359	44359	64359	21.8	26.64
1/4	1/4	1-1/4		3	SQ*	0.007	EXMG-808-L1	14364	44364	64364	31.60	35.32
1/4	1/4	1-1/4		3	radius	0.015	EXMG-808-L1R015	14369	44369	64369	31.60	35.32
1/4	1/4	1-1/4		3	radius	0.030	EXMG-808-L1R030	14370	44370	64370	31.60	35.32
1/4	1/4	1-1/4		3	radius	0.060	EXMG-808-L1R060	14371	44371	64371	31.60	35.32
5/16	5/16	1/2		2	SQ*	0.007	EXMG-1010-S	12426	42426	62426	24.51	28.99
5/16	5/16	1/2		2	radius	0.015	EXMG-1010-R015S	12559	42559	62559	24.51	28.99
5/16	5/16	1/2	1-1/2	3	SQ*	0.007	EXMG-1010-N	12443	42443	62443	34.02	39.40
5/16	5/16	1/2	1-1/2	3	radius	0.015	EXMG-1010-R015N	12561	42561	62561	34.02	39.40
5/16	5/16	5/8	7/8	2-1/2	SQ*	0.007	EXMG-1010	12427	42427	62427	27.15	33.70
5/16	5/16	5/8	7/8	2-1/2	radius	0.015	EXMG-1010-R015	12560	42560	62560	27.15	33.70
3/8	3/8	1/2	1-1/4	2-1/2	SQ*	0.007	EXMG-1212-S1	14372	44372	64372	34.14	38.99
3/8	3/8	1/2	1-1/4	2-1/2	radius	0.015	EXMG-1212-R015S1	14373	44373	64373	34.14	38.99
3/8	3/8	1/2	1-1/4	2-1/2	radius	0.030	EXMG-1212-R030S1	14374	44374	64374	34.14	38.99
3/8	3/8	1/2	1-1/4	2-1/2	radius	0.060	EXMG-1212-R060S1	14375	44375	64375	34.14	38.99
3/8	3/8	1/2	1-1/4	2-1/2	radius	0.090	EXMG-1212-R090S1	11887	41887	61887	34.14	38.99

SQ* = minimal radius for corner protection.

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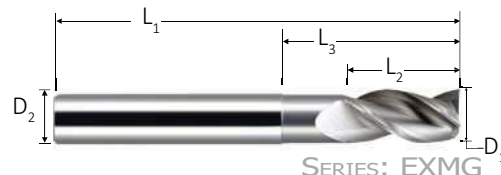
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DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
3/8	3/8	9/16		2	SQ*	0.007	EXMG-1212-S	12453	42453	62453	29.32	34.17
3/8	3/8	9/16		2	radius	0.020	EXMG-1212-R020S	12562	42562	62562	29.32	34.17
3/8	3/8	9/16	1-15/16	4	SQ*	0.007	EXMG-1212-N	12513	42513	62513	49.72	61.20
3/8	3/8	9/16	1-15/16	4	radius	0.020	EXMG-1212-R020N	12570	42570	62570	49.72	61.20
3/8	3/8	3/4	1	2-1/2	SQ*	0.007	EXMG-1212	11777	41777	61777	34.14	41.35
3/8	3/8	3/4	1	2-1/2	radius	0.020	EXMG-1212-R020	12563	42563	62563	34.14	41.35
3/8	3/8	1		2-1/2	SQ*	0.007	EXMG-1212-M	12502	42502	62502	34.14	41.40
3/8	3/8	1		2-1/2	radius	0.020	EXMG-1212-R020M	12569	42569	62569	34.14	41.40
3/8	3/8	1-1/2		3	SQ*	0.007	EXMG-1212-L1	14376	44376	64376	44.96	50.78
3/8	3/8	1-1/2		3	radius	0.015	EXMG-1212-L1R015	14377	44377	64377	44.96	50.78
3/8	3/8	1-1/2		3	radius	0.030	EXMG-1212-L1R030	14378	44378	64378	44.96	50.78
3/8	3/8	1-1/2		3	radius	0.060	EXMG-1212-L1R060	14379	44379	64379	44.96	50.78
3/8	3/8	1-1/2		3	radius	0.090	EXMG-1212-L1R090	11889	41889	61889	44.96	50.78
7/16	7/16	5/8		2-1/2	SQ*	0.007	EXMG-1414-S	12515	42515	62515	38.62	46.25
7/16	7/16	5/8		2-1/2	radius	0.020	EXMG-1414-R020S	12571	42571	62571	38.62	46.25
7/16	7/16	5/8	2	4	SQ*	0.007	EXMG-1414-N	12517	42517	62517	63.32	73.49
7/16	7/16	5/8	2	4	radius	0.020	EXMG-1414-R020N	12579	42579	62579	63.32	73.49
7/16	7/16	7/8		2-3/4	SQ*	0.007	EXMG-1414	12516	42516	62516	46.17	54.90
7/16	7/16	7/8		2-3/4	radius	0.020	EXMG-1414-R020	12575	42575	62575	46.17	54.90
1/2	1/2	5/8		2-1/2	SQ*	0.010	EXMG-1616-S	12518	42518	62518	46.02	56.50
1/2	1/2	5/8		2-1/2	radius	0.030	EXMG-1616-R030S	12583	42583	62583	46.02	56.50
1/2	1/2	5/8	1-1/4	3	SQ*	0.010	EXMG-1616-L1	14380	44380	64380	53.75	61.65
1/2	1/2	5/8	1-1/4	3	radius	0.030	EXMG-1616-L1R030	14381	44381	64381	53.75	61.65
1/2	1/2	5/8	1-1/4	3	radius	0.060	EXMG-1616-L1R060	14386	44386	64386	53.75	61.65
1/2	1/2	5/8	1-1/4	3	radius	0.090	EXMG-1616-L1R090	14391	44391	64391	53.75	61.65
1/2	1/2	5/8	1-1/4	3	radius	0.120	EXMG-1616-L1R120	14397	44397	64397	53.75	61.65
1/2	1/2	5/8	2	4	SQ*	0.010	EXMG-1616-N	12521	42521	62521	71.07	85.10
1/2	1/2	5/8	2	4	radius	0.030	EXMG-1616-R030N	12662	42662	62662	71.07	85.10
1/2	1/2	5/8	2	4	radius	0.060	EXMG-1616-R060N	14403	44403	64403	71.07	85.10
1/2	1/2	5/8	2	4	radius	0.090	EXMG-1616-R090N	14422	44422	64422	71.07	85.10
1/2	1/2	5/8	4-1/4	6	SQ*	0.010	EXMG-1616-N1	16544	46544	66544	132.16	147.96
1/2	1/2	5/8	4-1/4	6	radius	0.030	EXMG-1616-R030N1	16545	46545	66545	132.16	147.96
1/2	1/2	5/8	4-1/4	6	radius	0.060	EXMG-1616-R060N1	16546	46546	66546	132.16	147.96
1/2	1/2	5/8	4-1/4	6	radius	0.090	EXMG-1616-R090N1	16547	46547	66547	132.16	147.96
1/2	1/2	1	1-1/4	3	SQ*	0.010	EXMG-1616	11779	41779	61779	55.58	69.77
1/2	1/2	1	1-1/4	3	radius	0.030	EXMG-1616-R030	12660	42660	62660	55.58	69.77
1/2	1/2	1	1-1/4	3	radius	0.060	EXMG-1616-R060	14427	44427	64427	55.58	69.77
1/2	1/2	1	1-1/4	3	radius	0.090	EXMG-1616-R090	14428	44428	64428	55.58	69.77
1/2	1/2	1	1-1/4	3	radius	0.120	EXMG-1616-R120	11891	41891	61891	55.58	69.77
1/2	1/2	1-1/4		3	SQ*	0.010	EXMG-1616-M	12520	42520	62520	55.58	69.80
1/2	1/2	1-1/4		3	radius	0.030	EXMG-1616-R030M	12661	42661	62661	55.58	69.80
1/2	1/2	2		4	SQ*	0.010	EXMG-1616-L2	14429	44429	64429	78.45	88.65
1/2	1/2	2		4	radius	0.030	EXMG-1616-L2R030	14430	44430	64430	78.45	88.65
1/2	1/2	2		4	radius	0.060	EXMG-1616-L2R060	14431	44431	64431	78.45	88.65
1/2	1/2	2		4	radius	0.090	EXMG-1616-L2R090	14432	44432	64432	78.45	88.65
5/8	5/8	3/4		3	SQ*	0.010	EXMG-2020-S	12523	42523	62523	94.20	111.90
5/8	5/8	3/4		3	radius	0.030	EXMG-2020-R030S	12676	42676	62676	94.20	111.90
5/8	5/8	3/4	1-1/2	3-1/2	SQ*	0.010	EXMG-2020-L1	14433	44433	64433	99.22	110.67
5/8	5/8	3/4	1-1/2	3-1/2	radius	0.030	EXMG-2020-L1R030	14435	44435	64435	99.22	110.67
5/8	5/8	3/4	1-1/2	3-1/2	radius	0.060	EXMG-2020-L1R060	14441	44441	64441	99.22	110.67
5/8	5/8	3/4	1-1/2	3-1/2	radius	0.090	EXMG-2020-L1R090	14442	44442	64442	99.22	110.67
5/8	5/8	3/4	1-1/2	3-1/2	radius	0.120	EXMG-2020-L1R120	14443	44443	64443	99.22	110.67

SQ* = minimal radius for corner protection.

sizes continued on next page

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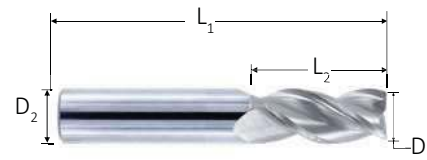
DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
5/8	5/8	3/4	2-3/8	5	SQ*	0.010	EXMG-2020-N	12527	42527	62527	131.92	148.28
5/8	5/8	3/4	2-3/8	5	radius	0.030	EXMG-2020-R030N	12733	42733	62733	131.92	148.28
5/8	5/8	1-1/4	1-1/2	3-1/2	SQ*	0.010	EXMG-2020	12525	42525	62525	99.22	116.88
5/8	5/8	1-1/4	1-1/2	3-1/2	radius	0.030	EXMG-2020-R030	12729	42729	62729	99.22	116.88
3/4	3/4	7/8		3	SQ*	0.010	EXMG-2424-S	12528	42528	62528	128.10	144.25
3/4	3/4	7/8		3	radius	0.030	EXMG-2424-R030S	12735	42735	62735	128.10	144.25
3/4	3/4	7/8	2-1/2	5	SQ*	0.010	EXMG-2424-N	12531	42531	62531	154.60	189.90
3/4	3/4	7/8	2-1/2	5	radius	0.030	EXMG-2424-R030N	12768	42768	62768	154.60	189.90
3/4	3/4	1	1-5/8	4	SQ*	0.010	EXMG-2424-L1	14444	44444	64444	146.06	162.21
3/4	3/4	1	1-5/8	4	radius	0.030	EXMG-2424-L1R030	14445	44445	64445	146.06	162.21
3/4	3/4	1	1-5/8	4	radius	0.060	EXMG-2424-L1R060	14446	44446	64446	146.06	162.21
3/4	3/4	1	1-5/8	4	radius	0.090	EXMG-2424-L1R090	14447	44447	64447	146.06	162.21
3/4	3/4	1	1-5/8	4	radius	0.120	EXMG-2424-L1R120	14567	44567	64567	146.06	162.21
3/4	3/4	1	3-3/8	6	SQ*	0.010	EXMG-2424-N1	16548	46548	66548	224.72	248.95
3/4	3/4	1	3-3/8	6	radius	0.030	EXMG-2424-R030N1	16549	46549	66549	224.72	248.95
3/4	3/4	1	3-3/8	6	radius	0.060	EXMG-2424-R060N1	16550	46550	66550	224.72	248.95
3/4	3/4	1	3-3/8	6	radius	0.090	EXMG-2424-R090N1	16551	46551	66551	224.72	248.95
3/4	3/4	1	3-3/8	6	radius	0.120	EXMG-2424-R120N1	16552	46552	66552	224.72	248.95
3/4	3/4	1-1/2	1-3/4	4	SQ*	0.010	EXMG-2424	12529	42529	62529	146.06	174.30
3/4	3/4	1-1/2	1-3/4	4	radius	0.030	EXMG-2424-R030	12764	42764	62764	146.06	174.30
3/4	3/4	2-1/4		5	SQ*	0.010	EXMG-2424-L2	14573	44573	64573	201.85	224.66
3/4	3/4	2-1/4		5	radius	0.030	EXMG-2424-L2R030	14574	44574	64574	201.85	224.66
3/4	3/4	2-1/4		5	radius	0.060	EXMG-2424-L2R060	14575	44575	64575	201.85	224.66
3/4	3/4	2-1/4		5	radius	0.090	EXMG-2424-L2R090	14576	44576	64576	201.85	224.66
3/4	3/4	2-1/4		5	radius	0.120	EXMG-2424-L2R120	14577	44577	64577	201.85	224.66
1	1	1-1/4		3	SQ*	0.015	EXMG-3232-S	12532	42532	62532	204.65	236.25
1	1	1-1/4		3	radius	0.030	EXMG-3232-R030S	12785	42785	62785	204.65	236.25
1	1	1-1/4		4	SQ*	0.015	EXMG-3232-L1	14578	44578	64578	246.40	278.00
1	1	1-1/4		4	radius	0.030	EXMG-3232-L1R030	14579	44579	64579	246.40	278.00
1	1	1-1/4		4	radius	0.060	EXMG-3232-L1R060	14581	44581	64581	246.40	278.00
1	1	1-1/4		4	radius	0.090	EXMG-3232-L1R090	14587	44587	64587	246.40	278.00
1	1	1-1/4		4	radius	0.120	EXMG-3232-L1R120	14588	44588	64588	246.40	278.00
1	1	1-1/4	3-1/4	6	SQ*	0.015	EXMG-3232-N	12535	42535	62535	382.74	430.14
1	1	1-1/4	3-1/4	6	radius	0.030	EXMG-3232-R030N	12788	42788	62788	382.74	430.14
1	1	1-1/4	3-1/4	6	radius	0.060	EXMG-3232-R060N	14589	44589	64589	382.74	430.14
1	1	1-1/4	3-1/4	6	radius	0.090	EXMG-3232-R090N	14590	44590	64590	382.74	430.14
1	1	1-1/4	3-1/4	6	radius	0.120	EXMG-3232-R120N	14591	44591	64591	382.74	430.14
1	1	1-1/4	4-3/8	7	SQ*	0.015	EXMG-3232-N1	16553	46553	66553	418.88	474.18
1	1	1-1/4	4-3/8	7	radius	0.030	EXMG-3232-R030N1	16554	46554	66554	418.88	474.18
1	1	1-1/4	4-3/8	7	radius	0.060	EXMG-3232-R060N1	16540	46540	66540	418.88	474.18
1	1	1-1/4	4-3/8	7	radius	0.090	EXMG-3232-R090N1	16541	46541	66541	418.88	474.18
1	1	1-1/4	4-3/8	7	radius	0.120	EXMG-3232-R120N1	16542	46542	66542	418.88	474.18
1	1	1-1/2	1-3/4	4	SQ*	0.015	EXMG-3232	12533	42533	62533	250.34	288.93
1	1	1-1/2	1-3/4	4	radius	0.030	EXMG-3232-R030	12787	42787	62787	250.34	288.93
1	1	3-1/4		6	SQ*	0.015	EXMG-3232-L2	14592	44592	64592	388.80	436.20
1	1	3-1/4		6	radius	0.030	EXMG-3232-L2R030	14593	44593	64593	388.80	436.20
1	1	3-1/4		6	radius	0.060	EXMG-3232-L2R060	14597	44597	64597	388.80	436.20
1	1	3-1/4		6	radius	0.090	EXMG-3232-L2R090	14603	44603	64603	388.80	436.20
1	1	3-1/4		6	radius	0.120	EXMG-3232-L2R120	14604	44604	64604	388.80	436.20

SQ* = minimal radius for corner protection.

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DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
3mm	3mm	12mm	38mm	radius	0.25mm	EXMG-M3M3-R0.25	14670	44670	64670	18.64	20.74
3mm	3mm	12mm	38mm	radius	0.5mm	EXMG-M3M3-R0.5	14671	44671	64671	18.64	20.74
3mm	6mm	12mm	63mm	radius	0.25mm	EXMG-M6M3-R0.25	14800	44800	64800	26.60	31.52
3mm	6mm	12mm	63mm	radius	0.5mm	EXMG-M6M3-R0.5	14801	44801	64801	26.60	31.52
4mm	4mm	14mm	51mm	radius	0.25mm	EXMG-M4M4-R0.25	14802	44802	64802	19.10	22.35
4mm	4mm	14mm	51mm	radius	0.5mm	EXMG-M4M4-R0.5	14803	44803	64803	19.10	22.35
5mm	5mm	20mm	51mm	radius	0.25mm	EXMG-M5M5-R0.25	14804	44804	64804	21.30	24.88
5mm	5mm	20mm	51mm	radius	0.5mm	EXMG-M5M5-R0.5	14805	44805	64805	21.30	24.88
6mm	6mm	20mm	63mm	SQ*	0.15mm	EXMG-M6M6	11980	41980	61980	21.80	26.64
6mm	6mm	20mm	63mm	radius	0.25mm	EXMG-M6M6-R0.25	14806	44806	64806	21.80	26.64
6mm	6mm	20mm	63mm	radius	0.5mm	EXMG-M6M6-R0.5	11985	41985	61985	21.80	26.64
6mm	6mm	30mm	75mm	radius	0.25mm	EXMG-M6M6-L1R0.25	16543	46543	66543	31.60	35.32
6mm	6mm	30mm	75mm	radius	0.5mm	EXMG-M6M6-L1R0.5	14651	44651	64651	31.60	35.32
8mm	8mm	20mm	63mm	SQ*	0.15mm	EXMG-M8M8	11986	41986	61986	27.15	33.70
8mm	8mm	20mm	63mm	radius	0.5mm	EXMG-M8M8-R0.5	11987	41987	61987	27.15	33.70
8mm	8mm	20mm	63mm	radius	1.0mm	EXMG-M8M8-R1.0	14809	44809	64809	27.15	33.70
8mm	8mm	20mm	63mm	radius	1.5mm	EXMG-M8M8-R1.5	14810	44810	64810	27.15	33.70
8mm	8mm	20mm	63mm	radius	2.0mm	EXMG-M8M8-R2.0	14811	44811	64811	27.15	33.70
8mm	8mm	30mm	75mm	radius	0.5mm	EXMG-M8M8-L1R0.5	14658	44658	64658	33.55	39.37
8mm	8mm	30mm	75mm	radius	1.0mm	EXMG-M8M8-L1R1.0	14663	44663	64663	33.55	39.37
10mm	10mm	24mm	70mm	SQ*	0.2mm	EXMG-M10M10	11981	41981	61981	39.79	47.00
10mm	10mm	24mm	70mm	radius	0.5mm	EXMG-M10M10-R0.5	11988	41988	61988	39.79	47.00
10mm	10mm	24mm	70mm	radius	1.0mm	EXMG-M10M10-R1.0	14813	44813	64813	39.79	47.00
10mm	10mm	24mm	70mm	radius	1.5mm	EXMG-M10M10-R1.5	14814	44814	64814	39.79	47.00
10mm	10mm	24mm	70mm	radius	2.0mm	EXMG-M10M10-R2.0	14815	44815	64815	41.78	47.00
10mm	10mm	40mm	100mm	radius	0.5mm	EXMG-M10M10-L1R0.5	15812	45812	65812	50.33	60.50
10mm	10mm	40mm	100mm	radius	1.0mm	EXMG-M10M10-L1R1.0	15814	45814	65814	50.33	60.50
12mm	12mm	25mm	76mm	SQ*	0.2mm	EXMG-M12M12	11982	41982	61982	55.58	66.09
12mm	12mm	25mm	76mm	radius	0.5mm	EXMG-M12M12-R0.5	11989	41989	61989	55.58	66.09
12mm	12mm	25mm	76mm	radius	1.0mm	EXMG-M12M12-R1.0	14817	44817	64817	55.58	66.09
12mm	12mm	25mm	76mm	radius	1.5mm	EXMG-M12M12-R1.5	14832	44832	64832	55.58	66.09
12mm	12mm	25mm	76mm	radius	2.0mm	EXMG-M12M12-R2.0	14819	44819	64819	55.58	66.09
12mm	12mm	25mm	76mm	radius	3.0mm	EXMG-M12M12-R3.0	14820	44820	64820	55.58	66.09
12mm	12mm	50mm	100mm	radius	0.5mm	EXMG-M12M12-L1R0.5	15816	45816	65816	78.45	88.98
12mm	12mm	50mm	100mm	radius	2.0mm	EXMG-M12M12-L1R2.0	15818	45818	65818	78.45	88.98

SQ* = minimal radius for corner protection.

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DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
16mm	16mm	32mm	100mm	SQ*	0.25mm	EXMG-M16M16	11983	41983	61983	115.57	135.60
16mm	16mm	32mm	100mm	radius	0.5mm	EXMG-M16M16-R0.5	11991	41991	61991	115.57	135.60
16mm	16mm	32mm	100mm	radius	1.0mm	EXMG-M16M16-R1.0	14822	44822	64822	115.57	135.60
16mm	16mm	32mm	100mm	radius	1.5mm	EXMG-M16M16-R1.5	14823	44823	64823	115.57	135.60
16mm	16mm	32mm	100mm	radius	2.0mm	EXMG-M16M16-R2.0	14824	44824	64824	115.57	135.60
16mm	16mm	32mm	100mm	radius	3.0mm	EXMG-M16M16-R3.0	14825	44825	64825	115.57	135.60
16mm	16mm	50mm	127mm	radius	0.5mm	EXMG-M16M16-L1R0.5	19543	49543	69543	134.24	154.43
16mm	16mm	50mm	127mm	radius	2.0mm	EXMG-M16M16-L1R2.0	19544	49544	69544	134.24	154.43
20mm	20mm	38mm	100mm	SQ*	0.25mm	EXMG-M20M20	11917	41917	61917	183.41	211.60
20mm	20mm	38mm	100mm	radius	0.5mm	EXMG-M20M20-R0.5	11995	41995	61995	183.41	211.60
20mm	20mm	38mm	100mm	radius	1.0mm	EXMG-M20M20-R1.0	14827	44827	64827	183.41	211.60
20mm	20mm	38mm	100mm	radius	1.5mm	EXMG-M20M20-R1.5	14828	44828	64828	183.41	211.60
20mm	20mm	38mm	100mm	radius	2.0mm	EXMG-M20M20-R2.0	14829	44829	64829	183.41	211.60
20mm	20mm	38mm	100mm	radius	3.0mm	EXMG-M20M20-R3.0	14831	44831	64831	183.41	211.60
20mm	20mm	55mm	127mm	radius	0.5mm	EXMG-M20M20-L1R0.5	19545	49545	69545	211.20	243.26
20mm	20mm	55mm	127mm	radius	2.0mm	EXMG-M20M20-L1R2.0	12368	42368	62368	211.20	243.26
25mm	25mm	38mm	100mm	radius	1.0mm	EXMG-M25M25-R1.0	19540	49540	69540	246.40	278.00
25mm	25mm	38mm	100mm	radius	3.0mm	EXMG-M25M25-R3.0	19539	49539	69539	246.40	278.00
25mm	25mm	75mm	150mm	radius	1.0mm	EXMG-M25M25-L1R1.0	19533	49533	69533	388.80	436.20
25mm	25mm	75mm	150mm	radius	3.0mm	EXMG-M25M25-L1R3.0	19532	49532	69532	388.80	436.20

SQ* = minimal radius for corner protection.

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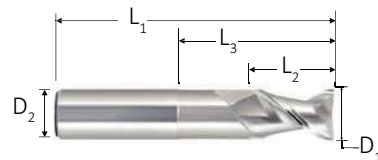


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Carbide	2	Center Cutting	45°	Bright TiCN ZrN	+0.000 -0.002	+0.0005 -0.0005 <1/8	Square	Radius									HRC <40	N
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- Edge prep provides superior edge strength and faster chip flow
- Wiper Flats and polish grinding produce superior surface finishes on walls and floors
- Polished flute face and edge prep optimizes chip evacuation and avoids chip nesting
- H6 Tolerance shank for use in shrink fit holders

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DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/16	1/8	3/16		1-1/2	SQ*	0.005	AXMG45-402	15806	45806	65806	19.54	21.64
3/32	1/8	1/4		1-1/2	SQ*	0.005	AXMG45-403	15808	45808	65808	19.54	21.64
1/8	1/8	1/4		1-1/2	SQ*	0.005	AXMG45-404-L1	15267	45267	65267	16.85	18.95
1/8	1/8	1/4		1-1/2	radius	0.010	AXMG45-404-L1R010	15269	45269	65269	16.85	18.95
1/8	1/8	1/4		1-1/2	radius	0.020	AXMG45-404-L1R020	15271	45271	65271	16.85	18.95
1/8	1/8	1/4		1-1/2	radius	0.030	AXMG45-404-L1R030	15273	45273	65273	16.85	18.95
1/8	1/8	1/4	1/2	1-1/2	SQ*	0.005	AXMG45-404-L2	15275	45275	65275	20.16	22.26
1/8	1/8	1/4	1/2	1-1/2	radius	0.010	AXMG45-404-L2R010	15277	45277	65277	20.16	22.26
1/8	1/8	1/4	1/2	1-1/2	radius	0.020	AXMG45-404-L2R020	15279	45279	65279	20.16	22.26
1/8	1/8	1/4	1/2	1-1/2	radius	0.030	AXMG45-404-L2R030	15280	45280	65280	20.16	22.26
1/8	1/8	1/4		3	SQ*	0.005	AXMG45-404-L3	15281	45281	65281	20.16	25.02
1/8	1/8	3/8		1-1/2	SQ*	0.005	AXMG45-404-L4	15282	45282	65282	18.14	20.24
1/8	1/8	3/8		1-1/2	radius	0.010	AXMG45-404-L4R010	15283	45283	65283	18.14	20.24
1/8	1/8	3/8		1-1/2	radius	0.020	AXMG45-404-L4R020	15284	45284	65284	18.14	20.24
1/8	1/8	3/8		1-1/2	radius	0.030	AXMG45-404-L4R030	15285	45285	65285	18.14	20.24
1/8	1/8	1/2		1-1/2	SQ*	0.005	AXMG45-404-L5	15287	45287	65287	18.14	20.24
1/8	1/8	1/2		1-1/2	radius	0.010	AXMG45-404-L5R010	15288	45288	65288	18.14	20.24
1/8	1/8	1/2		1-1/2	radius	0.020	AXMG45-404-L5R020	15289	45289	65289	18.14	20.24
1/8	1/8	1/2		1-1/2	radius	0.030	AXMG45-404-L5R030	15290	45290	65290	18.14	20.24
1/8	1/8	3/4		2	SQ*	0.005	AXMG45-404-L6	15291	45291	65291	18.14	20.94
5/32	3/16	5/16		2	SQ*	0.005	AXMG45-605-L1	15295	45295	65295	20.16	22.76
5/32	3/16	9/16		2	SQ*	0.005	AXMG45-605-L2	15296	45296	65296	20.16	22.76
3/16	3/16	1/4		2	SQ*	0.005	AXMG45-606-L1	15297	45297	65297	19.94	22.54
3/16	3/16	1/4		2	radius	0.010	AXMG45-606-L1R010	15298	45298	65298	19.94	22.54
3/16	3/16	1/4		2	radius	0.020	AXMG45-606-L1R020	15299	45299	65299	19.94	22.54
3/16	3/16	1/4		2	radius	0.030	AXMG45-606-L1R030	15301	45301	65301	19.94	22.54
3/16	3/16	1/4	5/8	2	SQ*	0.005	AXMG45-606-L2	15303	45303	65303	24.64	27.24
3/16	3/16	1/4	5/8	2	radius	0.010	AXMG45-606-L2R010	15305	45305	65305	24.64	27.24
3/16	3/16	1/4	5/8	2	radius	0.020	AXMG45-606-L2R020	15307	45307	65307	24.64	27.24
3/16	3/16	1/4	5/8	2	radius	0.030	AXMG45-606-L2R030	15309	45309	65309	24.64	27.24
3/16	3/16	1/4		3	SQ*	0.005	AXMG45-606-L3	15311	45311	65311	24.64	28.54
3/16	3/16	1/4	1-1/8	3	SQ*	0.005	AXMG45-606-L4	15313	45313	65313	35.84	39.74
3/16	3/16	5/8		2-1/2	SQ*	0.005	AXMG45-606-L6	15323	45323	65323	25.92	30.34
3/16	3/16	5/8		2-1/2	radius	0.010	AXMG45-606-L6R010	15325	45325	65325	25.92	30.34
3/16	3/16	5/8		2-1/2	radius	0.020	AXMG45-606-L6R020	15327	45327	65327	25.92	30.34
3/16	3/16	5/8		2-1/2	radius	0.030	AXMG45-606-L6R030	15329	45329	65329	25.92	30.34
7/32	1/4	3/8		2	SQ*	0.007	AXMG45-807-L1	15331	45331	65331	26.88	29.98
7/32	1/4	3/4		2-1/2	SQ*	0.007	AXMG45-807-L2	15333	45333	65333	33.60	36.70

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& Feed:
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SQ* = minimal radius for corner protection.

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SERIES: AXMG45 [Check Stock Online](#)

2 FLUTE • 45° END MILL

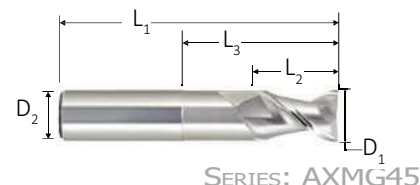
DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/4	1/4	3/8		2-1/2	SQ*	0.007	AXMG45-808-L1	15335	45335	65335	24.64	27.74
1/4	1/4	3/8		2-1/2	radius	0.015	AXMG45-808-L1R015	15337	45337	65337	24.64	27.74
1/4	1/4	3/8		2-1/2	radius	0.030	AXMG45-808-L1R030	15339	45339	65339	24.64	27.74
1/4	1/4	3/8		2-1/2	radius	0.060	AXMG45-808-L1R060	15341	45341	65341	24.64	27.74
1/4	1/4	3/8	1-1/8	2-1/2	SQ*	0.007	AXMG45-808-L2	15343	45343	65343	33.60	36.70
1/4	1/4	3/8	1-1/8	2-1/2	radius	0.015	AXMG45-808-L2R015	15345	45345	65345	33.60	36.70
1/4	1/4	3/8	1-1/8	2-1/2	radius	0.030	AXMG45-808-L2R030	15347	45347	65347	33.60	36.70
1/4	1/4	3/8	1-1/8	2-1/2	radius	0.060	AXMG45-808-L2R060	15349	45349	65349	33.60	36.70
1/4	1/4	3/8		4	SQ*	0.007	AXMG45-808-L3	15351	45351	65351	49.28	54.24
1/4	1/4	3/8		4	radius	0.015	AXMG45-808-L3R015	15353	45353	65353	49.28	54.24
1/4	1/4	3/8		4	radius	0.030	AXMG45-808-L3R030	15355	45355	65355	49.28	54.24
1/4	1/4	3/8		4	radius	0.060	AXMG45-808-L3R060	15357	45357	65357	49.28	54.24
1/4	1/4	3/8	2-1/4	4	SQ*	0.007	AXMG45-808-L4	15359	45359	65359	62.72	70.47
1/4	1/4	3/8	2-1/4	4	radius	0.015	AXMG45-808-L4R015	15363	45363	65363	62.72	70.47
1/4	1/4	3/8	2-1/4	4	radius	0.030	AXMG45-808-L4R030	15365	45365	65365	62.72	70.47
1/4	1/4	3/8	2-1/4	4	radius	0.060	AXMG45-808-L4R060	15367	45367	65367	62.72	70.47
1/4	1/4	3/4		2-1/2	SQ*	0.007	AXMG45-808-L6	15371	45371	65371	26.35	31.19
1/4	1/4	3/4		2-1/2	radius	0.015	AXMG45-808-L6R015	15373	45373	65373	26.35	31.19
1/4	1/4	3/4		2-1/2	radius	0.030	AXMG45-808-L6R030	15375	45375	65375	26.35	31.19
1/4	1/4	3/4		2-1/2	radius	0.060	AXMG45-808-L6R060	15377	45377	65377	26.35	31.19
1/4	1/4	1-1/4		3-1/4	SQ*	0.007	AXMG45-808-L8	15381	45381	65381	33.60	37.94
9/32	5/16	7/16		2-1/2	SQ*	0.007	AXMG45-1009-L1	15383	45383	65383	31.36	37.91
9/32	5/16	13/16		2-1/2	SQ*	0.007	AXMG45-1009-L3	15387	45387	65387	38.08	42.56
5/16	5/16	7/16		2-1/2	SQ*	0.007	AXMG45-1010-L1	15389	45389	65389	28.56	33.04
5/16	5/16	7/16		2-1/2	radius	0.015	AXMG45-1010-L1R015	15391	45391	65391	28.56	33.04
5/16	5/16	7/16		2-1/2	radius	0.030	AXMG45-1010-L1R030	15393	45393	65393	28.56	33.04
5/16	5/16	7/16		2-1/2	radius	0.060	AXMG45-1010-L1R060	15395	45395	65395	28.56	33.04
5/16	5/16	7/16	1-1/8	2-1/2	SQ*	0.007	AXMG45-1010-L2	15397	45397	65397	35.28	39.76
5/16	5/16	7/16	1-1/8	2-1/2	radius	0.015	AXMG45-1010-L2R015	15399	45399	65399	35.28	39.76
5/16	5/16	7/16	1-1/8	2-1/2	radius	0.030	AXMG45-1010-L2R030	15401	45401	65401	35.28	39.76
5/16	5/16	7/16	1-1/8	2-1/2	radius	0.060	AXMG45-1010-L2R060	15403	45403	65403	35.28	39.76
5/16	5/16	7/16	2-1/8	4	SQ*	0.007	AXMG45-1010-L4	15413	45413	65413	60.48	67.65
5/16	5/16	7/16	2-1/8	4	radius	0.015	AXMG45-1010-L4R015	15415	45415	65415	60.48	67.65
5/16	5/16	7/16	2-1/8	4	radius	0.030	AXMG45-1010-L4R030	15417	45417	65417	60.48	67.65
5/16	5/16	7/16	2-1/8	4	radius	0.060	AXMG45-1010-L4R060	15419	45419	65419	60.48	67.65
5/16	5/16	13/16		2-1/2	SQ*	0.007	AXMG45-1010-L5	15421	45421	65421	31.10	35.58
5/16	5/16	13/16		2-1/2	radius	0.015	AXMG45-1010-L5R015	15423	45423	65423	31.10	35.58
5/16	5/16	13/16		2-1/2	radius	0.030	AXMG45-1010-L5R030	15425	45425	65425	31.10	35.58
5/16	5/16	13/16		2-1/2	radius	0.060	AXMG45-1010-L5R060	15427	45427	65427	31.10	35.58
5/16	5/16	1-1/4		3	SQ*	0.007	AXMG45-1010-L6	15429	45429	65429	38.19	43.57
11/32	3/8	1/2		2-1/2	SQ*	0.007	AXMG45-1211-L1	15431	45431	65431	40.32	45.17
11/32	3/8	1		2-1/2	SQ*	0.007	AXMG45-1211-L3	15435	45435	65435	49.28	54.13
3/8	3/8	1/2		2-1/2	SQ*	0.007	AXMG45-1212-L1	15437	45437	65437	32.62	37.47
3/8	3/8	1/2		2-1/2	radius	0.015	AXMG45-1212-L1R015	15439	45439	65439	32.62	37.47
3/8	3/8	1/2		2-1/2	radius	0.030	AXMG45-1212-L1R030	15441	45441	65441	32.62	37.47
3/8	3/8	1/2		2-1/2	radius	0.060	AXMG45-1212-L1R060	15443	45443	65443	32.62	37.47
3/8	3/8	1/2	1-1/8	2-1/2	SQ*	0.007	AXMG45-1212-L2	15445	45445	65445	47.04	51.89
3/8	3/8	1/2	1-1/8	2-1/2	radius	0.015	AXMG45-1212-L2R015	15447	45447	65447	47.04	51.89
3/8	3/8	1/2	1-1/8	2-1/2	radius	0.030	AXMG45-1212-L2R030	15449	45449	65449	47.04	51.89
3/8	3/8	1/2	1-1/8	2-1/2	radius	0.060	AXMG45-1212-L2R060	15451	45451	65451	47.04	51.89

SQ* = minimal radius for corner protection.

sizes continued on next page



2 FLUTE • 45° END MILL [✓ Check Stock Online](#)



DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
3/8	3/8	1/2		4	SQ*	0.007	AXMG45-1212-L3	15453	45453	65453	49.68	53.43
3/8	3/8	1/2		4	radius	0.015	AXMG45-1212-L3R015	15455	45455	65455	49.68	53.43
3/8	3/8	1/2		4	radius	0.030	AXMG45-1212-L3R030	15457	45457	65457	49.68	53.43
3/8	3/8	1/2		4	radius	0.060	AXMG45-1212-L3R060	15459	45459	65459	49.68	53.43
3/8	3/8	1/2	2-1/8	4	SQ*	0.007	AXMG45-1212-L4	15461	45461	65461	64.80	68.55
3/8	3/8	1/2	2-1/8	4	radius	0.015	AXMG45-1212-L4R015	15463	45463	65463	64.80	68.55
3/8	3/8	1/2	2-1/8	4	radius	0.030	AXMG45-1212-L4R030	15465	45465	65465	64.80	68.55
3/8	3/8	1/2	2-1/8	4	radius	0.060	AXMG45-1212-L4R060	15467	45467	65467	64.80	68.55
3/8	3/8	1/2		6	SQ*	0.007	AXMG45-1212-L5	15469	45469	65469	82.88	94.52
3/8	3/8	1		2-1/2	SQ*	0.007	AXMG45-1212-L6	19330	49330	69330	38.02	43.19
3/8	3/8	1		2-1/2	radius	0.015	AXMG45-1212-L6R015	15473	45473	65473	38.02	43.19
3/8	3/8	1		2-1/2	radius	0.030	AXMG45-1212-L6R030	15475	45475	65475	38.02	43.19
3/8	3/8	1		2-1/2	radius	0.060	AXMG45-1212-L6R060	15477	45477	65477	38.02	43.19
3/8	3/8	1		4	SQ*	0.007	AXMG45-1212-L8	15479	45479	65479	53.76	65.29
3/8	3/8	1		6	SQ*	0.007	AXMG45-1212-L10	15482	45482	65482	66.96	78.60
3/8	3/8	1		6	radius	0.015	AXMG45-1212-L10R015	15483	45483	65483	66.96	78.60
3/8	3/8	1		6	radius	0.030	AXMG45-1212-L10R030	15484	45484	65484	66.96	78.60
3/8	3/8	1		6	radius	0.060	AXMG45-1212-L10R060	15485	45485	65485	66.96	78.60
3/8	3/8	1-1/4		3	SQ*	0.007	AXMG45-1212-L11	15487	45487	65487	43.42	49.24
3/8	3/8	1-1/2		4	SQ*	0.007	AXMG45-1212-L12	15489	45489	65489	56.16	59.91
13/32	7/16	9/16		2-3/4	SQ*	0.007	AXMG45-1413-L1	15490	45490	65490	49.28	56.91
13/32	7/16	9/16		4	SQ*	0.007	AXMG45-1413-L2	15491	45491	65491	69.44	79.61
7/16	7/16	9/16		2-3/4	SQ*	0.007	AXMG45-1414-L1	15493	45493	65493	42.11	49.74
7/16	7/16	9/16		2-3/4	radius	0.015	AXMG45-1414-L1R015	15494	45494	65494	42.11	49.74
7/16	7/16	9/16		2-3/4	radius	0.030	AXMG45-1414-L1R030	15495	45495	65495	42.11	49.74
7/16	7/16	9/16		2-3/4	radius	0.060	AXMG45-1414-L1R060	15496	45496	65496	42.11	49.74
7/16	7/16	9/16	1-1/4	2-3/4	SQ*	0.007	AXMG45-1414-L2	15497	45497	65497	51.41	59.04
7/16	7/16	9/16	1-1/4	2-3/4	radius	0.015	AXMG45-1414-L2R015	15499	45499	65499	51.41	59.04
7/16	7/16	9/16	1-1/4	2-3/4	radius	0.030	AXMG45-1414-L2R030	15501	45501	65501	51.41	59.04
7/16	7/16	9/16	1-1/4	2-3/4	radius	0.060	AXMG45-1414-L2R060	15503	45503	65503	51.41	59.04
7/16	7/16	1		2-3/4	SQ*	0.007	AXMG45-1414-L4	15509	45509	65509	45.90	53.53
7/16	7/16	1		2-3/4	radius	0.015	AXMG45-1414-L4R015	15511	45511	65511	45.90	53.53
7/16	7/16	1		2-3/4	radius	0.030	AXMG45-1414-L4R030	15513	45513	65513	45.90	53.53
7/16	7/16	1		2-3/4	radius	0.060	AXMG45-1414-L4R060	15515	45515	65515	45.90	53.53
15/32	1/2	5/8		3	SQ*	0.010	AXMG45-1615-L1	15521	45521	65521	64.96	72.86
15/32	1/2	5/8		4	SQ*	0.010	AXMG45-1615-L2	15523	45523	65523	87.36	97.89
1/2	1/2	5/8		2-1/2	SQ*	0.010	AXMG45-1616-L1	15527	45527	65527	47.52	56.28
1/2	1/2	5/8		2-1/2	radius	0.030	AXMG45-1616-L1R030	15529	45529	65529	47.52	56.28
1/2	1/2	5/8		2-1/2	radius	0.060	AXMG45-1616-L1R060	15531	45531	65531	47.52	56.28
1/2	1/2	5/8		2-1/2	radius	0.090	AXMG45-1616-L1R090	15533	45533	65533	47.52	56.28
1/2	1/2	5/8		2-1/2	radius	0.120	AXMG45-1616-L1R120	15535	45535	65535	47.52	56.28
1/2	1/2	5/8		3	SQ*	0.010	AXMG45-1616-L2	15537	45537	65537	51.84	62.35
1/2	1/2	5/8		3	radius	0.030	AXMG45-1616-L2R030	15539	45539	65539	51.84	62.35
1/2	1/2	5/8		3	radius	0.060	AXMG45-1616-L2R060	15541	45541	65541	51.84	62.35
1/2	1/2	5/8		3	radius	0.090	AXMG45-1616-L2R090	15543	45543	65543	51.84	62.35
1/2	1/2	5/8		3	radius	0.120	AXMG45-1616-L2R120	15551	45551	65551	51.84	62.35

SQ* = minimal radius for corner protection.

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DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/2	1/2	5/8	1-1/4	3	SQ*	0.010	AXMG45-1616-L3	15553	45553	65553	69.12	77.02
1/2	1/2	5/8	1-1/4	3	radius	0.030	AXMG45-1616-L3R030	15555	45555	65555	69.12	77.02
1/2	1/2	5/8	1-1/4	3	radius	0.060	AXMG45-1616-L3R060	15557	45557	65557	69.12	77.02
1/2	1/2	5/8	1-1/4	3	radius	0.090	AXMG45-1616-L3R090	15559	45559	65559	69.12	77.02
1/2	1/2	5/8	1-1/4	3	radius	0.120	AXMG45-1616-L3R120	15561	45561	65561	69.12	77.02
1/2	1/2	5/8		4	SQ*	0.010	AXMG45-1616-L4	19331	49331	69331	71.28	81.81
1/2	1/2	5/8		4	radius	0.030	AXMG45-1616-L4R030	15563	45563	65563	71.28	81.81
1/2	1/2	5/8		4	radius	0.060	AXMG45-1616-L4R060	15565	45565	65565	71.28	81.81
1/2	1/2	5/8		4	radius	0.090	AXMG45-1616-L4R090	15567	45567	65567	71.28	81.81
1/2	1/2	5/8		4	radius	0.120	AXMG45-1616-L4R120	15569	45569	65569	71.28	81.81
1/2	1/2	5/8	2-1/4	4	SQ*	0.010	AXMG45-1616-L5	15571	45571	65571	84.24	94.77
1/2	1/2	5/8	2-1/4	4	radius	0.030	AXMG45-1616-L5R030	15573	45573	65573	84.24	94.77
1/2	1/2	5/8	2-1/4	4	radius	0.060	AXMG45-1616-L5R060	15575	45575	65575	84.24	94.77
1/2	1/2	5/8	2-1/4	4	radius	0.090	AXMG45-1616-L5R090	15577	45577	65577	84.24	94.77
1/2	1/2	5/8	2-1/4	4	radius	0.120	AXMG45-1616-L5R120	15579	45579	65579	84.24	94.77
1/2	1/2	5/8	3-3/8	6	SQ*	0.010	AXMG45-1616-L8	15593	45593	65593	132.16	147.96
1/2	1/2	1		3	SQ*	0.010	AXMG45-1616-L9	15595	45595	65595	54.76	62.66
1/2	1/2	1		5	SQ*	0.010	AXMG45-1616-L11	15601	45601	65601	89.60	102.77
1/2	1/2	1-1/4		3	SQ*	0.010	AXMG45-1616-L13	14219	44219	64219	58.10	66.00
1/2	1/2	1-1/4		3	radius	0.030	AXMG45-1616-L13R030	15611	45611	65611	58.10	66.00
1/2	1/2	1-1/4		3	radius	0.060	AXMG45-1616-L13R060	15613	45613	65613	58.10	66.00
1/2	1/2	1-1/4		3	radius	0.090	AXMG45-1616-L13R090	15615	45615	65615	58.10	66.00
1/2	1/2	1-1/4		3	radius	0.120	AXMG45-1616-L13R120	15617	45617	65617	58.10	66.00
1/2	1/2	1-1/4		4	SQ*	0.010	AXMG45-1616-L14	14221	44221	64221	75.60	86.13
1/2	1/2	1-1/4	2-1/4	4	SQ*	0.010	AXMG45-1616-L15	14223	44223	64223	92.88	103.41
1/2	1/2	1-1/4		6	SQ*	0.010	AXMG45-1616-L16	15619	45619	65619	105.84	121.64
1/2	1/2	2		4	SQ*	0.010	AXMG45-1616-L17	15621	45621	65621	86.40	96.93
1/2	1/2	2		4	radius	0.030	AXMG45-1616-L17R030	15623	45623	65623	86.40	96.93
1/2	1/2	2		4	radius	0.060	AXMG45-1616-L17R060	15625	45625	65625	86.40	96.93
1/2	1/2	2		4	radius	0.090	AXMG45-1616-L17R090	15627	45627	65627	86.40	96.93
1/2	1/2	2		4	radius	0.120	AXMG45-1616-L17R120	15629	45629	65629	86.40	96.93
1/2	1/2	3-1/8		6	SQ*	0.010	AXMG45-1616-L18	15631	45631	65631	138.24	159.25
5/8	5/8	3/4		3-1/2	SQ*	0.010	AXMG45-2020-L1	15633	45633	65633	90.72	102.17
5/8	5/8	3/4		3-1/2	radius	0.030	AXMG45-2020-L1R030	15635	45635	65635	90.72	102.17
5/8	5/8	3/4		3-1/2	radius	0.060	AXMG45-2020-L1R060	15637	45637	65637	90.72	102.17
5/8	5/8	3/4		3-1/2	radius	0.090	AXMG45-2020-L1R090	15639	45639	65639	90.72	102.17
5/8	5/8	3/4		3-1/2	radius	0.120	AXMG45-2020-L1R120	15641	45641	65641	90.72	102.17
5/8	5/8	3/4	1-1/2	3-1/2	SQ*	0.010	AXMG45-2020-L2	15643	45643	65643	114.24	125.69
5/8	5/8	3/4	1-1/2	3-1/2	radius	0.030	AXMG45-2020-L2R030	15645	45645	65645	114.24	125.69
5/8	5/8	3/4	1-1/2	3-1/2	radius	0.060	AXMG45-2020-L2R060	15647	45647	65647	114.24	125.69
5/8	5/8	3/4	1-1/2	3-1/2	radius	0.090	AXMG45-2020-L2R090	15649	45649	65649	114.24	125.69
5/8	5/8	3/4	1-1/2	3-1/2	radius	0.120	AXMG45-2020-L2R120	15651	45651	65651	114.24	125.69
5/8	5/8	3/4	2-3/8	5	SQ*	0.010	AXMG45-2020-L4	15663	45663	65663	151.20	167.56
5/8	5/8	3/4	2-3/8	5	radius	0.030	AXMG45-2020-L4R030	15665	45665	65665	151.20	167.56
5/8	5/8	3/4	2-3/8	5	radius	0.060	AXMG45-2020-L4R060	15667	45667	65667	151.20	167.56
5/8	5/8	3/4	2-3/8	5	radius	0.090	AXMG45-2020-L4R090	15669	45669	65669	151.20	167.56
5/8	5/8	3/4	2-3/8	5	radius	0.120	AXMG45-2020-L4R120	15670	45670	65670	151.20	167.56

SQ* = minimal radius for corner protection.

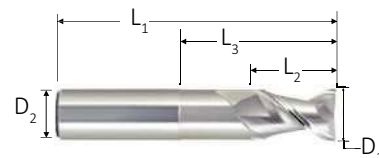
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SERIES: AXMG45

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
5/8	5/8	3/4	3-3/8	6	SQ*	0.010	AXMG45-2020-L6	15703	45703	65703	168.00	187.63
5/8	5/8	1-1/4		3-1/2	SQ*	0.010	AXMG45-2020-L7	15705	45705	65705	98.56	110.01
5/8	5/8	1-1/4		3-1/2	radius	0.030	AXMG45-2020-L7R030	15707	45707	65707	98.56	110.01
5/8	5/8	1-1/4		3-1/2	radius	0.060	AXMG45-2020-L7R060	15709	45709	65709	98.56	110.01
5/8	5/8	1-1/4		3-1/2	radius	0.090	AXMG45-2020-L7R090	15711	45711	65711	98.56	110.01
5/8	5/8	1-1/4		3-1/2	radius	0.120	AXMG45-2020-L7R120	15713	45713	65713	98.56	110.01
5/8	5/8	1-1/4		6	SQ*	0.010	AXMG45-2020-L8	16023	46023	66023	163.08	182.71
5/8	5/8	1-5/8		3-1/2	SQ*	0.010	AXMG45-2020-L9	16050	46050	66050	103.04	114.49
5/8	5/8	1-5/8		3-1/2	radius	0.030	AXMG45-2020-L9R030	16055	46055	66055	103.04	114.49
5/8	5/8	1-5/8		3-1/2	radius	0.060	AXMG45-2020-L9R060	12967	42967	62967	103.04	114.49
5/8	5/8	1-5/8		3-1/2	radius	0.090	AXMG45-2020-L9R090	16082	46082	66082	103.04	114.49
5/8	5/8	1-5/8		3-1/2	radius	0.120	AXMG45-2020-L9R120	16333	46333	66333	103.04	114.49
5/8	5/8	1-5/8		6	SQ*	0.010	AXMG45-2020-L11	16866	46866	66866	168.00	203.30
5/8	5/8	2-1/2		5	SQ*	0.010	AXMG45-2020-L12	16868	46868	66868	140.40	156.76
5/8	5/8	2-1/2		5	radius	0.030	AXMG45-2020-L12R030	16869	46869	66869	140.40	156.76
5/8	5/8	3-3/4		6	SQ*	0.010	AXMG45-2020-L13	16885	46885	66885	212.80	232.43
3/4	3/4	1		3	SQ*	0.010	AXMG45-2424-L1	16887	46887	66887	128.52	153.21
3/4	3/4	1		3	radius	0.030	AXMG45-2424-L1R030	16888	46888	66888	128.52	153.21
3/4	3/4	1		3	radius	0.060	AXMG45-2424-L1R060	19140	49140	69140	128.52	153.21
3/4	3/4	1		3	radius	0.090	AXMG45-2424-L1R090	19155	49155	69155	128.52	153.21
3/4	3/4	1		3	radius	0.120	AXMG45-2424-L1R120	19156	49156	69156	128.52	153.21
3/4	3/4	1		4	SQ*	0.010	AXMG45-2424-L2	19157	49157	69157	140.40	156.55
3/4	3/4	1	1-5/8	4	SQ*	0.010	AXMG45-2424-L3	19158	49158	69158	168.00	184.15
3/4	3/4	1	1-5/8	4	radius	0.030	AXMG45-2424-L3R030	19159	49159	69159	168.00	184.15
3/4	3/4	1	1-5/8	4	radius	0.060	AXMG45-2424-L3R060	19161	49161	69161	168.00	184.15
3/4	3/4	1	1-5/8	4	radius	0.090	AXMG45-2424-L3R090	19164	49164	69164	168.00	184.15
3/4	3/4	1	1-5/8	4	radius	0.120	AXMG45-2424-L3R120	19256	49256	69256	168.00	184.15
3/4	3/4	1	2-1/4	4	SQ*	0.010	AXMG45-2424-L4	11700	41700	61700	166.32	182.47
3/4	3/4	1	2-1/2	5	SQ*	0.010	AXMG45-2424-L6	19332	49332	69332	199.36	219.55
3/4	3/4	1	2-1/2	5	radius	0.030	AXMG45-2424-L6R030	19281	49281	69281	199.36	219.55
3/4	3/4	1	2-1/2	5	radius	0.060	AXMG45-2424-L6R060	19282	49282	69282	199.36	219.55
3/4	3/4	1	2-1/2	5	radius	0.090	AXMG45-2424-L6R090	19283	49283	69283	199.36	219.55
3/4	3/4	1	2-1/2	5	radius	0.120	AXMG45-2424-L6R120	19284	49284	69284	199.36	219.55
3/4	3/4	1	3-3/8	6	SQ*	0.010	AXMG45-2424-L8	19287	49287	69287	230.72	254.95
3/4	3/4	1	4-3/8	7	SQ*	0.010	AXMG45-2424-L10	19289	49289	69289	268.80	297.06
3/4	3/4	1-1/2		4	SQ*	0.010	AXMG45-2424-L11	19291	49291	69291	145.80	174.02
3/4	3/4	1-1/2		4	radius	0.030	AXMG45-2424-L11R030	19292	49292	69292	145.80	174.02
3/4	3/4	1-1/2		4	radius	0.060	AXMG45-2424-L11R060	19293	49293	69293	145.80	174.02
3/4	3/4	1-1/2		4	radius	0.090	AXMG45-2424-L11R090	19295	49295	69295	145.80	174.02
3/4	3/4	1-1/2		4	radius	0.120	AXMG45-2424-L11R120	19296	49296	69296	145.80	174.02
3/4	3/4	1-1/2	2-1/4	5	SQ*	0.010	AXMG45-2424-L12	19297	49297	69297	199.80	219.99
3/4	3/4	1-5/8		4	SQ*	0.010	AXMG45-2424-L14	11701	41701	61701	151.20	167.35
3/4	3/4	1-5/8		4	radius	0.030	AXMG45-2424-L14R030	19300	49300	69300	151.20	167.35
3/4	3/4	1-5/8		4	radius	0.060	AXMG45-2424-L14R060	19301	49301	69301	151.20	167.35
3/4	3/4	1-5/8		4	radius	0.090	AXMG45-2424-L14R090	19302	49302	69302	151.20	167.35
3/4	3/4	1-5/8		4	radius	0.120	AXMG45-2424-L14R120	19303	49303	69303	151.20	167.35
3/4	3/4	1-5/8		6	SQ*	0.010	AXMG45-2424-L15	19304	49304	69304	218.40	242.63
3/4	3/4	2-1/4		5	SQ*	0.010	AXMG45-2424-L16	19305	49305	69305	192.24	212.43
3/4	3/4	3-1/4		6	SQ*	0.010	AXMG45-2424-L17	19306	49306	69306	224.64	266.96

SQ* = minimal radius for corner protection.

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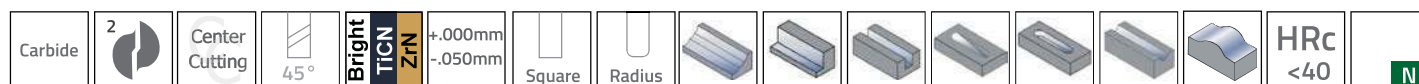
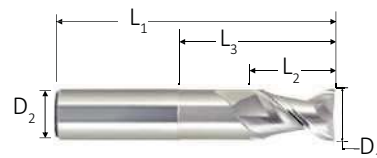
SERIES: AXMG45 [✓ Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1	1	1-1/4		4	SQ*	0.015	AXMG45-3232-L1	19307	49307	69307	246.40	278.00
1	1	1-1/4		4	radius	0.030	AXMG45-3232-L1R030	19308	49308	69308	246.40	278.00
1	1	1-1/4		4	radius	0.060	AXMG45-3232-L1R060	19309	49309	69309	246.40	278.00
1	1	1-1/4		4	radius	0.090	AXMG45-3232-L1R090	19322	49322	69322	246.40	278.00
1	1	1-1/4		4	radius	0.120	AXMG45-3232-L1R120	19323	49323	69323	246.40	278.00
1	1	1-1/4	2-1/4	4	SQ*	0.015	AXMG45-3232-L2	19324	49324	69324	268.80	300.40
1	1	1-1/4	2-1/4	4	radius	0.030	AXMG45-3232-L2R030	19325	49325	69325	268.80	300.40
1	1	1-1/4	2-1/4	4	radius	0.060	AXMG45-3232-L2R060	19326	49326	69326	268.80	300.40
1	1	1-1/4	2-1/4	4	radius	0.090	AXMG45-3232-L2R090	19327	49327	69327	268.80	300.40
1	1	1-1/4	2-1/4	4	radius	0.120	AXMG45-3232-L2R120	19328	49328	69328	268.80	300.40
1	1	1-1/4	2-5/8	5	SQ*	0.015	AXMG45-3232-L4	19337	49337	69337	303.20	342.70
1	1	1-1/4	2-5/8	5	radius	0.030	AXMG45-3232-L4R030	19338	49338	69338	303.20	342.70
1	1	1-1/4	2-5/8	5	radius	0.060	AXMG45-3232-L4R060	19339	49339	69339	303.20	342.70
1	1	1-1/4	2-5/8	5	radius	0.090	AXMG45-3232-L4R090	19340	49340	69340	303.20	342.70
1	1	1-1/4	2-5/8	5	radius	0.120	AXMG45-3232-L4R120	19341	49341	69341	303.20	342.70
1	1	1-1/4		6	SQ*	0.015	AXMG45-3232-L5	19342	49342	69342	319.68	367.08
1	1	1-1/4		6	radius	0.030	AXMG45-3232-L5R030	19343	49343	69343	319.68	367.08
1	1	1-1/4		6	radius	0.060	AXMG45-3232-L5R060	19344	49344	69344	319.68	367.08
1	1	1-1/4		6	radius	0.090	AXMG45-3232-L5R090	19387	49387	69387	319.68	367.08
1	1	1-1/4		6	radius	0.120	AXMG45-3232-L5R120	19391	49391	69391	319.68	367.08
1	1	1-1/4	3-3/8	6	SQ*	0.015	AXMG45-3232-L6	19394	49394	69394	345.60	393.00
1	1	1-1/4	4-3/8	7	SQ*	0.015	AXMG45-3232-L8	19523	49523	69523	418.88	474.18
1	1	1-1/2		4	SQ*	0.015	AXMG45-3232-L10	19582	49582	69582	248.40	280.00
1	1	1-1/2		4	radius	0.030	AXMG45-3232-L10R030	19583	49583	69583	248.40	280.00
1	1	1-1/2		4	radius	0.060	AXMG45-3232-L10R060	19732	49732	69732	248.40	280.00
1	1	1-1/2		4	radius	0.090	AXMG45-3232-L10R090	19733	49733	69733	248.40	280.00
1	1	1-1/2		4	radius	0.120	AXMG45-3232-L10R120	19734	49734	69734	248.40	280.00
1	1	1-1/2	2-1/4	5	SQ*	0.015	AXMG45-3232-L12	19736	49736	69736	291.60	331.10
1	1	1-1/2	3-1/4	6	SQ*	0.015	AXMG45-3232-L14	19738	49738	69738	353.16	400.56
1	1	2-1/4		5	SQ*	0.015	AXMG45-3232-L15	19740	49740	69740	313.20	352.70
1	1	2-1/4		5	radius	0.030	AXMG45-3232-L15R030	19782	49782	69782	313.20	352.70
1	1	2-1/4		5	radius	0.060	AXMG45-3232-L15R060	19786	49786	69786	313.20	352.70
1	1	2-1/4		5	radius	0.090	AXMG45-3232-L15R090	19788	49788	69788	313.20	352.70
1	1	2-1/4		5	radius	0.120	AXMG45-3232-L15R120	19789	49789	69789	313.20	352.70
1	1	3-1/4		6	SQ*	0.015	AXMG45-3232-L18	19865	49865	69865	388.80	436.20
1	1	3-1/4		6	radius	0.060	AXMG45-3232-L18R060	19867	49867	69867	388.80	436.20
1	1	4-1/8		7	SQ*	0.015	AXMG45-3232-L19	19888	49888	69888	476.00	531.30
1-1/4	1-1/4	1-1/4		4-1/2	SQ*	0.015	AXMG45-4040-L1	19927	49927	69927	492.80	532.45
1-1/4	1-1/4	1-1/4		4-1/2	radius	0.030	AXMG45-4040-L1R030	19940	49940	69940	492.80	532.45
1-1/4	1-1/4	1-1/4		4-1/2	radius	0.060	AXMG45-4040-L1R060	19951	49951	69951	492.80	532.45
1-1/4	1-1/4	1-1/4		4-1/2	radius	0.090	AXMG45-4040-L1R090	19956	49956	69956	492.80	532.45
1-1/4	1-1/4	1-1/4		4-1/2	radius	0.120	AXMG45-4040-L1R120	19299	49299	69299	492.80	532.45
1-1/4	1-1/4	1-1/4	2-5/8	6	SQ*	0.015	AXMG45-4040-L3	19987	49987	69987	649.60	697.18
1-1/4	1-1/4	1-1/4	2-5/8	6	radius	0.030	AXMG45-4040-L3R030	19988	49988	69988	649.60	697.18
1-1/4	1-1/4	1-1/4	2-5/8	6	radius	0.060	AXMG45-4040-L3R060	19989	49989	69989	649.60	697.18
1-1/4	1-1/4	1-1/4	2-5/8	6	radius	0.090	AXMG45-4040-L3R090	19990	49990	69990	649.60	697.18
1-1/4	1-1/4	1-1/4	2-5/8	6	radius	0.120	AXMG45-4040-L3R120	19991	49991	69991	649.60	697.18

SQ* = minimal radius for corner protection.

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2 FLUTE • 45° END MILL



Additional coatings - nACRo, DLC & TiB₂ available upon request

- › For universal operations on Aluminum and Cast Aluminum Alloys
- › Edge prep provides superior edge strength and faster chip flow
- › Wiper Flats and polish grinding produce superior surface finishes on walls and floors
- › Polished flute face and edge prep optimizes chip evacuation and avoids chip nesting
- › H6 Tolerance shank for use in shrink fit holders

SERIES: AXMG45-M_M_ ✓ Check Stock Online

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
3mm	3mm	8mm		51mm	SQ*	0.10mm	AXMG45-M3M3-L1	13305	43305	63305	19.38	22.18
4mm	4mm	11mm		63mm	SQ*	0.15mm	AXMG45-M4M4-L1	13306	43306	63306	21.32	24.57
5mm	5mm	13mm		63mm	SQ*	0.15mm	AXMG45-M5M5-L1	13307	43307	63307	23.06	26.16
6mm	6mm	13mm		63mm	SQ*	0.20mm	AXMG45-M6M6-L1	13308	43308	63308	24.18	27.28
8mm	8mm	19mm		63mm	SQ*	0.20mm	AXMG45-M8M8-L1	13309	43309	63309	29.44	34.29
10mm	10mm	22mm		70mm	SQ*	0.25mm	AXMG45-M10M10-L1	13310	43310	63310	29.44	37.07
10mm	10mm	22mm		70mm	radius	0.50mm	AXMG45-M10M10-L1R0.5	13311	43311	63311	41.51	49.14
10mm	10mm	22mm		70mm	radius	1.00mm	AXMG45-M10M10-L1R1.0	13312	43312	63312	41.51	49.14
10mm	10mm	22mm		70mm	radius	1.50mm	AXMG45-M10M10-L1R1.5	13313	43313	63313	41.51	49.14
10mm	10mm	22mm	34mm	76mm	SQ*	0.25mm	AXMG45-M10M10-L2	13314	43314	63314	54.05	61.68
10mm	10mm	22mm	34mm	76mm	radius	0.50mm	AXMG45-M10M10-L2R0.5	13315	43315	63315	54.05	61.68
10mm	10mm	22mm	34mm	76mm	radius	1.00mm	AXMG45-M10M10-L2R1.0	13317	43317	63317	54.05	61.68
10mm	10mm	22mm	34mm	76mm	radius	1.50mm	AXMG45-M10M10-L2R1.5	13318	43318	63318	54.05	61.68
10mm	10mm	22mm	48mm	100mm	SQ*	0.25mm	AXMG45-M10M10-L3	13319	43319	63319	66.32	76.49
10mm	10mm	22mm	48mm	100mm	radius	0.50mm	AXMG45-M10M10-L3R0.5	13320	43320	63320	66.32	76.49
10mm	10mm	22mm	48mm	100mm	radius	1.00mm	AXMG45-M10M10-L3R1.0	13321	43321	63321	66.32	76.49
10mm	10mm	22mm	48mm	100mm	radius	1.50mm	AXMG45-M10M10-L3R1.5	13322	43322	63322	66.32	76.49
12mm	12mm	26mm		76mm	SQ*	0.25mm	AXMG45-M12M12-L1	13323	43323	63323	53.05	60.95
12mm	12mm	26mm		76mm	radius	1.00mm	AXMG45-M12M12-L1R1.0	13324	43324	63324	53.05	60.95
12mm	12mm	26mm		76mm	radius	1.50mm	AXMG45-M12M12-L1R1.5	13325	43325	63325	53.05	60.95
12mm	12mm	26mm		76mm	radius	2.00mm	AXMG45-M12M12-L1R2.0	13326	43326	63326	53.05	60.95
12mm	12mm	26mm	52mm	100mm	SQ*	0.25mm	AXMG45-M12M12-L2	13327	43327	63327	85.77	96.30
12mm	12mm	26mm	52mm	100mm	radius	1.00mm	AXMG45-M12M12-L2R1.0	13328	43328	63328	85.77	96.30
12mm	12mm	26mm	52mm	100mm	radius	1.50mm	AXMG45-M12M12-L2R1.5	13329	43329	63329	85.77	96.30
12mm	12mm	26mm	52mm	100mm	radius	2.00mm	AXMG45-M12M12-L2R2.0	13330	43330	63330	85.77	96.30
12mm	12mm	26mm	76mm	125mm	SQ*	0.25mm	AXMG45-M12M12-L3	13331	43331	63331	91.22	104.39
12mm	12mm	26mm	76mm	125mm	radius	1.00mm	AXMG45-M12M12-L3R1.0	13332	43332	63332	91.22	104.39
12mm	12mm	26mm	76mm	125mm	radius	1.50mm	AXMG45-M12M12-L3R1.5	13333	43333	63333	91.22	104.39
12mm	12mm	26mm	76mm	125mm	radius	2.00mm	AXMG45-M12M12-L3R2.0	13334	43334	63334	91.22	104.39
14mm	14mm	26mm		89mm	SQ*	0.25mm	AXMG45-M14M14-L1	13335	43335	63335	91.66	101.86
14mm	14mm	26mm		89mm	radius	1.00mm	AXMG45-M14M14-L1R1.0	13336	43336	63336	91.66	101.86
14mm	14mm	26mm		89mm	radius	1.50mm	AXMG45-M14M14-L1R1.5	13345	43345	63345	91.66	101.86
14mm	14mm	26mm		89mm	radius	2.00mm	AXMG45-M14M14-L1R2.0	13346	43346	63346	91.66	101.86

SQ* = minimal radius for corner protection.

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2 FLUTE • 45° END MILL

SERIES: AXMG45-M_M_ [✓ Check Stock Online](#)

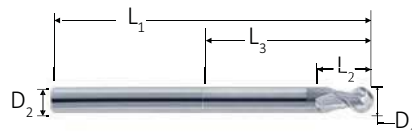
DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
14mm	14mm	26mm	52mm	100mm	SQ*	0.25mm	AXMG45-M14M14-L2	13347	43347	63347	99.75	111.41
14mm	14mm	26mm	52mm	100mm	radius	1.00mm	AXMG45-M14M14-L2R1.0	13348	43348	63348	99.75	111.41
14mm	14mm	26mm	52mm	100mm	radius	1.50mm	AXMG45-M14M14-L2R1.5	13360	43360	63360	99.75	111.41
14mm	14mm	26mm	52mm	100mm	radius	2.00mm	AXMG45-M14M14-L2R2.0	13361	43361	63361	99.75	111.41
14mm	14mm	26mm	76mm	127mm	SQ*	0.25mm	AXMG45-M14M14-L3	13403	43403	63403	137.48	152.05
14mm	14mm	26mm	76mm	127mm	radius	1.00mm	AXMG45-M14M14-L3R1.0	13412	43412	63412	137.48	152.05
14mm	14mm	26mm	76mm	127mm	radius	1.50mm	AXMG45-M14M14-L3R1.5	13414	43414	63414	137.48	152.05
14mm	14mm	26mm	76mm	127mm	radius	2.00mm	AXMG45-M14M14-L3R2.0	13442	43442	63442	137.48	152.05
16mm	16mm	32mm		89mm	SQ*	0.25mm	AXMG45-M16M16-L1	13444	43444	63444	102.70	118.85
16mm	16mm	32mm		89mm	radius	1.00mm	AXMG45-M16M16-L1R1.0	13451	43451	63451	102.70	118.85
16mm	16mm	32mm		89mm	radius	1.50mm	AXMG45-M16M16-L1R1.5	13453	43453	63453	102.70	118.85
16mm	16mm	32mm		89mm	radius	2.00mm	AXMG45-M16M16-L1R2.0	13622	43622	63622	102.70	118.85
16mm	16mm	32mm	76mm	127mm	SQ*	0.25mm	AXMG45-M16M16-L2	13623	43623	63623	147.93	168.12
16mm	16mm	32mm	76mm	127mm	radius	1.00mm	AXMG45-M16M16-L2R1.0	13624	43624	63624	147.93	168.12
16mm	16mm	32mm	76mm	127mm	radius	1.50mm	AXMG45-M16M16-L2R1.5	13625	43625	63625	147.93	168.12
16mm	16mm	32mm	76mm	127mm	radius	2.00mm	AXMG45-M16M16-L2R2.0	13626	43626	63626	147.93	168.12
18mm	18mm	32mm		100mm	SQ*	0.25mm	AXMG45-M18M18-L1	13627	43627	63627	173.41	189.56
18mm	18mm	32mm		100mm	radius	1.00mm	AXMG45-M18M18-L1R1.0	13628	43628	63628	173.41	189.56
18mm	18mm	32mm		100mm	radius	1.50mm	AXMG45-M18M18-L1R1.5	13629	43629	63629	173.41	189.56
18mm	18mm	32mm		100mm	radius	2.00mm	AXMG45-M18M18-L1R2.0	13630	43630	63630	173.41	189.56
18mm	18mm	32mm	75mm	127mm	SQ*	0.25mm	AXMG45-M18M18-L2	13631	43631	63631	190.35	210.54
18mm	18mm	32mm	75mm	127mm	radius	1.00mm	AXMG45-M18M18-L2R1.0	13657	43657	63657	190.35	210.54
18mm	18mm	32mm	75mm	127mm	radius	1.50mm	AXMG45-M18M18-L2R1.5	13671	43671	63671	190.35	210.54
18mm	18mm	32mm	75mm	127mm	radius	2.00mm	AXMG45-M18M18-L2R2.0	13685	43685	63685	190.35	210.54
20mm	20mm	38mm		100mm	SQ*	0.25mm	AXMG45-M20M20-L1	13699	43699	63699	189.74	215.39
20mm	20mm	38mm		100mm	radius	1.00mm	AXMG45-M20M20-L1R1.0	13711	43711	63711	189.74	215.39
20mm	20mm	38mm		100mm	radius	1.50mm	AXMG45-M20M20-L1R1.5	13712	43712	63712	189.74	215.39
20mm	20mm	38mm		100mm	radius	2.00mm	AXMG45-M20M20-L1R2.0	13713	43713	63713	189.74	215.39
20mm	20mm	38mm	75mm	127mm	SQ*	0.25mm	AXMG45-M20M20-L2	13714	43714	63714	226.95	259.01
20mm	20mm	38mm	75mm	127mm	radius	1.00mm	AXMG45-M20M20-L2R1.0	13715	43715	63715	226.95	259.01
20mm	20mm	38mm	75mm	127mm	radius	1.50mm	AXMG45-M20M20-L2R1.5	13716	43716	63716	226.95	259.01
20mm	20mm	38mm	75mm	127mm	radius	2.00mm	AXMG45-M20M20-L2R2.0	14111	44111	64111	226.95	259.01
20mm	20mm	38mm	90mm	150mm	SQ*	0.25mm	AXMG45-M20M20-L3	14113	44113	64113	271.20	309.68
20mm	20mm	38mm	90mm	150mm	radius	1.00mm	AXMG45-M20M20-L3R1.0	14115	44115	64115	271.20	309.68
20mm	20mm	38mm	90mm	150mm	radius	1.50mm	AXMG45-M20M20-L3R1.5	14117	44117	64117	271.20	309.68
20mm	20mm	38mm	90mm	150mm	radius	2.00mm	AXMG45-M20M20-L3R2.0	14119	44119	64119	271.20	309.68
25mm	25mm	38mm		100mm	SQ*	0.25mm	AXMG45-M25M25-L1	14123	44123	64123	246.40	278.00
25mm	25mm	38mm		100mm	radius	1.00mm	AXMG45-M25M25-L1R1.0	14125	44125	64125	246.40	278.00
25mm	25mm	38mm		100mm	radius	1.50mm	AXMG45-M25M25-L1R1.5	14127	44127	64127	246.40	278.00
25mm	25mm	38mm		100mm	radius	2.00mm	AXMG45-M25M25-L1R2.0	14129	44129	64129	246.40	278.00
25mm	25mm	38mm	90mm	150mm	SQ*	0.25mm	AXMG45-M25M25-L2	14131	44131	64131	353.16	400.56
25mm	25mm	38mm	90mm	150mm	radius	1.00mm	AXMG45-M25M25-L2R1.0	14133	44133	64133	353.16	400.56
25mm	25mm	38mm	90mm	150mm	radius	1.50mm	AXMG45-M25M25-L2R1.5	14135	44135	64135	353.16	400.56
25mm	25mm	38mm	90mm	150mm	radius	2.00mm	AXMG45-M25M25-L2R2.0	14137	44137	64137	353.16	400.56

SQ* = minimal radius for corner protection.

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2 FLUTE • 45° BALL NOSE END MILL



Additional coatings - nACRo, DLC & TiB₂ available upon request

- For universal operations on Aluminum and Cast Aluminum Alloys
- Edge prep provides superior edge strength and faster chip flow
- Polished Primary produces superior surface finishes on walls and floors
- Polished flute face and edge prep optimizes chip evacuation and avoids chip nesting
- H6 Tolerance shank for use in shrink fit holders

SERIES: AXMG45-__-B ✓ [Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/8	1/8	1/4		1-1/2	AXMG45-404-L1-B	11890	41890	61890	20.22	23.14
1/8	1/8	3/8		1-1/2	AXMG45-404-L2-B	11893	41893	61893	21.77	23.87
1/4	1/4	3/8		2-1/2	AXMG45-808-L1-B	14605	44605	64605	29.57	34.41
1/4	1/4	3/8	1-1/8	2-1/2	AXMG45-808-L2-B	14606	44606	64606	40.32	43.42
1/4	1/4	3/8	no neck	6	AXMG45-808-NN-B	14607	44607	64607	63.87	68.83
1/4	1/4	3/4		2-1/2	AXMG45-808-L3-B	14608	44608	64608	31.62	34.72
3/8	3/8	1/2		2-1/2	AXMG45-1212-L1-B	14609	44609	64609	39.14	43.99
3/8	3/8	1/2	2-1/8	4	AXMG45-1212-L2-B	14611	44611	64611	77.76	81.51
3/8	3/8	1/2	no neck	6	AXMG45-1212-NN-B	14615	44615	64615	99.46	111.10
3/8	3/8	1		2-1/2	AXMG45-1212-L3-B	14616	44616	64616	45.62	50.47
3/8	3/8	1-1/2		4	AXMG45-1212-L4-B	14617	44617	64617	67.39	71.14
1/2	1/2	5/8		2-1/2	AXMG45-1616-L1-B	14618	44618	64618	57.02	64.92
1/2	1/2	5/8	2-1/4	4	AXMG45-1616-L2-B	14619	44619	64619	101.09	111.62
1/2	1/2	5/8	no neck	6	AXMG45-1616-NN-B	14620	44620	64620	158.59	174.39
1/2	1/2	1-1/4		3	AXMG45-1616-L3-B	14621	44621	64621	69.72	77.62
1/2	1/2	2		4	AXMG45-1616-L4-B	14622	44622	64622	103.68	114.21
5/8	5/8	3/4	1-1/2	3-1/2	AXMG45-2020-L1-B	14623	44623	64623	137.09	148.54
5/8	5/8	1-1/4		3-1/2	AXMG45-2020-L2-B	14624	44624	64624	118.27	129.72
5/8	5/8	1-5/8		4	AXMG45-2020-L3-B	14630	44630	64630	135.16	148.25
3/4	3/4	1		3	AXMG45-2424-L1-B	14632	44632	64632	154.22	170.37
3/4	3/4	1	2-1/2	5	AXMG45-2424-L2-B	14633	44633	64633	239.23	259.42
3/4	3/4	1	no neck	6	AXMG45-2424-NN-B	14634	44634	64634	276.86	301.09
3/4	3/4	1-5/8		4	AXMG45-2424-L3-B	14635	44635	64635	181.44	197.59
3/4	3/4	2-1/4		5	AXMG45-2424-L4-B	14636	44636	64636	230.69	250.88
1	1	1-1/4		4	AXMG45-3232-L1-B	14637	44637	64637	295.68	327.28
1	1	1-1/4	3-3/8	6	AXMG45-3232-L2-B	14638	44638	64638	414.72	462.12
1	1	2-1/4		5	AXMG45-3232-L3-B	14644	44644	64644	375.84	415.34

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RECOMMENDED ALUMINUM COATINGS

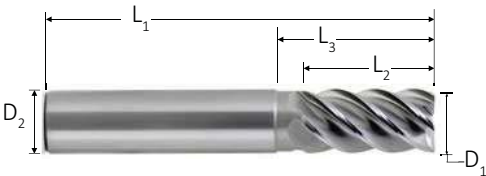
Melin provides SEVERAL coated options to fit your every need!

Order any of our tools with a Conventional or High Performance Coating

- TiCN
- ZrN
- nACRo
- DLC
- TiB₂



CONVENTIONAL COATINGS & HIGH PERFORMANCE COATINGS



BACK TO INDEX

ALUMINUM ALLOYS

5 FLUTE • 45° FOR TROCHOIDAL TOOLPATHING



Additional coatings - nACRo, DLC & TiB₂ available upon request

- ▶ Outstanding performance for High Feed Finishing of Aerospace wing spars
- ▶ Effective on all CNC machines 5-35 HP
- ▶ Generates 50-60% higher metal removal rates over 3 flute HP tools
- ▶ Unique Edge Prep minimizes chatter, extends tool life
- ▶ Wiper flat and polish grinds produce superior surface finishes on both walls and floor

SERIES: GXMGS5 ✓ Check Stock Online

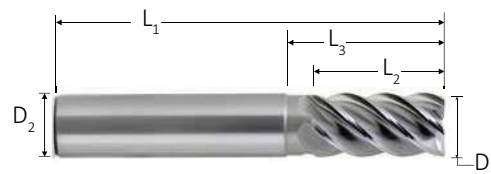
DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/8	1/8	3/16		1-1/2	SQ*	0.005	GXMGS-404-S	15047	45047	65047	14.74	16.84
1/8	1/8	3/16		1-1/2	radius	0.010	GXMGS-404-R010S	15049	45049	65049	14.74	16.84
1/8	1/8	3/16	11/16	2	SQ*	0.005	GXMGS-404-N	15051	45051	65051	18.89	21.69
1/8	1/8	3/16	11/16	2	radius	0.010	GXMGS-404-R010N	15052	45052	65052	20.62	23.42
1/8	1/8	1/4	1/2	1-1/2	SQ*	0.005	GXMGS-404	15053	45053	65053	14.93	17.03
1/8	1/8	1/4	1/2	1-1/2	radius	0.010	GXMGS-404-R010	15055	45055	65055	14.93	17.03
3/16	3/16	9/32		2	SQ*	0.005	GXMGS-606-S	15057	45057	65057	20.62	23.22
3/16	3/16	9/32		2	radius	0.010	GXMGS-606-R010S	15056	45056	65056	20.62	23.22
3/16	3/16	9/32	25/32	3	SQ*	0.005	GXMGS-606-N	15059	45059	65059	26.77	30.67
3/16	3/16	9/32	25/32	3	radius	0.010	GXMGS-606-R010N	15061	45061	65061	26.77	30.67
3/16	3/16	3/8	5/8	2	SQ*	0.005	GXMGS-606	15063	45063	65063	21.00	23.60
3/16	3/16	3/8	5/8	2	radius	0.010	GXMGS-606-R010	15064	45064	65064	21.00	23.60
1/4	1/4	3/8		2	SQ*	0.007	GXMGS-808-S	15065	45065	65065	23.41	26.51
1/4	1/4	3/8		2	radius	0.015	GXMGS-808-R015S	15067	45067	65067	23.41	26.51
1/4	1/4	3/8	1-1/8	3	SQ*	0.007	GXMGS-808-N	15069	45069	65069	32.99	36.71
1/4	1/4	3/8	1-1/8	3	radius	0.015	GXMGS-808-R015N	15071	45071	65071	32.99	36.71
1/4	1/4	1/2	3/4	2-1/2	SQ*	0.007	GXMGS-808	14247	44247	64247	26.16	29.26
1/4	1/4	1/2	3/4	2-1/2	radius	0.015	GXMGS-808-R015	14990	44990	64990	26.16	29.26
5/16	5/16	1/2		2	SQ*	0.007	GXMGS-1010-S	15073	45073	65073	29.41	33.89
5/16	5/16	1/2		2	radius	0.015	GXMGS-1010-R015S	15075	45075	65075	29.41	33.89
5/16	5/16	1/2	1-1/2	3	SQ*	0.007	GXMGS-1010-N	15077	45077	65077	40.82	46.20
5/16	5/16	1/2	1-1/2	3	radius	0.015	GXMGS-1010-R015N	15079	45079	65079	40.82	46.20
5/16	5/16	5/8	7/8	2-1/2	SQ*	0.007	GXMGS-1010	15081	45081	65081	32.58	37.06
5/16	5/16	5/8	7/8	2-1/2	radius	0.015	GXMGS-1010-R015	15083	45083	65083	32.58	37.06
3/8	3/8	9/16		2	SQ*	0.007	GXMGS-1212-S	15085	45085	65085	35.18	40.03
3/8	3/8	9/16		2	radius	0.020	GXMGS-1212-R020S	15087	45087	65087	35.18	40.03
3/8	3/8	9/16	1-15/16	4	SQ*	0.007	GXMGS-1212-N	14799	44799	64799	59.66	63.41
3/8	3/8	9/16	1-15/16	4	radius	0.020	GXMGS-1212-R020N	15089	45089	65089	59.66	63.41
3/8	3/8	3/4	1	2-1/2	SQ*	0.007	GXMGS-1212	14249	44249	64249	40.97	45.82
3/8	3/8	3/4	1	2-1/2	radius	0.020	GXMGS-1212-R020	14991	44991	64991	40.97	45.82
3/8	3/8	1		2-1/2	SQ*	0.007	GXMGS-1212-M	15091	45091	65091	40.97	45.82
3/8	3/8	1		2-1/2	radius	0.020	GXMGS-1212-R020M	15093	45093	65093	40.97	45.82
7/16	7/16	5/8		2-1/2	SQ*	0.007	GXMGS-1414-S	15095	45095	65095	46.34	53.97
7/16	7/16	5/8		2-1/2	radius	0.020	GXMGS-1414-R020S	15097	45097	65097	46.34	53.97
7/16	7/16	5/8	2	4	SQ*	0.007	GXMGS-1414-N	15099	45099	65099	75.98	86.15
7/16	7/16	5/8	2	4	radius	0.020	GXMGS-1414-R020N	15191	45191	65191	75.98	86.15

SQ* = minimal radius for corner protection.

sizes continued on next page

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5 FLUTE • 45° FOR TROCHOIDAL TOOLPATHING



SERIES: GXMG5

✓ **Check Stock Online**

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
7/16	7/16	7/8		2-3/4	SQ*	0.007	GXMG5-1414	15193	45193	65193	55.40	63.03
7/16	7/16	7/8		2-3/4	radius	0.020	GXMG5-1414-R020	15195	45195	65195	55.40	63.03
1/2	1/2	5/8		2-1/2	SQ*	0.010	GXMG5-1616-S	15197	45197	65197	55.22	63.12
1/2	1/2	5/8		2-1/2	radius	0.030	GXMG5-1616-R030S	15199	45199	65199	55.22	63.12
1/2	1/2	5/8	2	4	SQ*	0.010	GXMG5-1616-N	15205	45205	65205	85.28	95.81
1/2	1/2	5/8	2	4	radius	0.030	GXMG5-1616-R030N	15207	45207	65207	85.28	95.81
1/2	1/2	1	1-1/4	3	SQ*	0.010	GXMG5-1616	14243	44243	64243	66.70	77.21
1/2	1/2	1	1-1/4	3	radius	0.030	GXMG5-1616-R030	14992	44992	64992	66.70	77.21
1/2	1/2	1-1/4		3	SQ*	0.010	GXMG5-1616-M	14796	44796	64796	66.70	77.21
1/2	1/2	1-1/4		3	radius	0.030	GXMG5-1616-R030M	15209	45209	65209	66.70	77.21
5/8	5/8	3/4		3	SQ*	0.010	GXMG5-2020-S	15211	45211	65211	113.04	124.49
5/8	5/8	3/4		3	radius	0.030	GXMG5-2020-R030S	15213	45213	65213	113.04	124.49
5/8	5/8	3/4	2-3/8	5	SQ*	0.010	GXMG5-2020-N	15215	45215	65215	158.30	174.66
5/8	5/8	3/4	2-3/8	5	radius	0.030	GXMG5-2020-R030N	15217	45217	65217	158.30	174.66
5/8	5/8	1-1/4	1-1/2	3-1/2	SQ*	0.010	GXMG5-2020	15219	45219	65219	119.06	130.51
5/8	5/8	1-1/4	1-1/2	3-1/2	radius	0.030	GXMG5-2020-R030	14151	44151	64151	119.06	130.51
3/4	3/4	7/8		3	SQ*	0.010	GXMG5-2424-S	15221	45221	65221	153.72	169.87
3/4	3/4	7/8		3	radius	0.030	GXMG5-2424-R030S	15223	45223	65223	153.72	169.87
3/4	3/4	7/8	2-1/2	5	SQ*	0.010	GXMG5-2424-N	14833	44833	64833	185.52	205.71
3/4	3/4	7/8	2-1/2	5	radius	0.030	GXMG5-2424-R030N	15225	45225	65225	185.52	205.71
3/4	3/4	1-1/2	1-3/4	4	SQ*	0.010	GXMG5-2424	14155	44155	64155	175.27	191.42
3/4	3/4	1-1/2	1-3/4	4	radius	0.030	GXMG5-2424-R030	14993	44993	64993	175.27	191.42
1	1	1-1/4		3	SQ*	0.015	GXMG5-3232-S	15227	45227	65227	245.58	277.18
1	1	1-1/4		3	radius	0.030	GXMG5-3232-R030S	15229	45229	65229	245.58	277.18
1	1	1-1/4	3-1/4	6	SQ*	0.015	GXMG5-3232-N	15231	45231	65231	459.29	506.69
1	1	1-1/4	3-1/4	6	radius	0.030	GXMG5-3232-R030N	15233	45233	65233	459.29	506.69
1	1	1-1/2	1-3/4	4	SQ*	0.015	GXMG5-3232	15235	45235	65235	300.41	332.01
1	1	1-1/2	1-3/4	4	radius	0.030	GXMG5-3232-R030	15237	45237	65237	300.41	332.01

SQ* = minimal radius for corner protection.

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RECOMMENDED ALUMINUM COATINGS

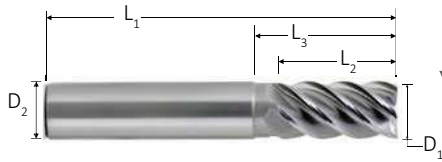
Melin provides SEVERAL coated options to fit your every need!

Order any of our tools with a Conventional or High Performance Coating

- TiCN
- ZrN
- nACRo
- DLC
- TiB₂



CONVENTIONAL COATINGS & HIGH PERFORMANCE COATINGS



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ALUMINUM ALLOYS

5 FLUTE • 45° FOR TROCHOIDAL TOOLPATHING



Additional coatings - TiCN, ZrN, nACRo, DLC & TiB₂ available upon request - Please call customer service for SPL coated EDP

- Outstanding performance for High Feed Finishing of Aerospace wing spars
- Effective on all CNC machines 5-35 HP
- Generates 50-60% higher metal removal rates over 3 flute HP tools
- Unique Edge Prep minimizes chatter, extends tool life
- Wiper flat and polish grinds produce superior surface finishes on both walls and floor

SERIES: GXMG5-M_M_ ✓ **Check Stock Online**

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER		PART NAME	BRIGHT EDP	Bright Price
3mm	3mm	12mm	38mm	radius	0.25mm	GXMG5-M3M3-R0.25	H6699	15.49
3mm	3mm	12mm	38mm	radius	0.50mm	GXMG5-M3M3-R0.5	H6700	15.49
4mm	4mm	14mm	50mm	radius	0.25mm	GXMG5-M4M4-R0.25	12549	22.92
4mm	4mm	14mm	51mm	radius	0.50mm	GXMG5-M4M4-R0.5	H6696	22.92
5mm	5mm	20mm	51mm	radius	0.25mm	GXMG5-M5M5-R0.25	H6697	25.56
5mm	5mm	20mm	51mm	radius	0.50mm	GXMG5-M5M5-R0.5	H6698	25.56
6mm	6mm	20mm	63mm	SQ*	0.15mm	GXMG5-M6M6	H6701	26.16
6mm	6mm	20mm	63mm	radius	0.25mm	GXMG5-M6M6-R0.25	H6702	31.92
6mm	6mm	20mm	63mm	radius	0.05mm	GXMG5-M6M6-R0.5	H6703	26.16
8mm	8mm	20mm	63mm	SQ*	0.15mm	GXMG5-M8M8	H6704	32.58
8mm	8mm	20mm	63mm	radius	0.5mm	GXMG5-M8M8-R0.5	H6705	32.58
8mm	8mm	20mm	63mm	radius	1.0mm	GXMG5-M8M8-R1.0	H6706	40.44
8mm	8mm	20mm	63mm	radius	1.5mm	GXMG5-M8M8-R1.5	H6707	40.44
8mm	8mm	20mm	63mm	radius	2.0mm	GXMG5-M8M8-R2.0	H6708	40.44
10mm	10mm	24mm	70mm	SQ*	0.2mm	GXMG5-M10M10	H6709	47.75
10mm	10mm	24mm	70mm	radius	0.5mm	GXMG5-M10M10-R0.5	H6710	47.75
10mm	10mm	24mm	70mm	radius	1.0mm	GXMG5-M10M10-R1.0	H6711	56.40
10mm	10mm	24mm	70mm	radius	1.5mm	GXMG5-M10M10-R1.5	H6712	56.40
10mm	10mm	24mm	70mm	radius	2.0mm	GXMG5-M10M10-R2.0	H6713	56.40
12mm	12mm	25mm	76mm	SQ*	0.2mm	GXMG5-M12M12	H6714	66.70
12mm	12mm	25mm	76mm	radius	0.5mm	GXMG5-M12M12-R0.5	H6715	66.70
12mm	12mm	25mm	76mm	radius	1.0mm	GXMG5-M12M12-R1.0	H6716	79.32
12mm	12mm	25mm	76mm	radius	1.5mm	GXMG5-M12M12-R1.5	H6717	79.32
12mm	12mm	25mm	76mm	radius	2.0mm	GXMG5-M12M12-R2.0	H6718	79.32
12mm	12mm	25mm	76mm	radius	3.0mm	GXMG5-M12M12-R3.0	H6719	79.32
16mm	16mm	32mm	100mm	SQ*	0.25mm	GXMG5-M16M16	H6720	138.68
16mm	16mm	32mm	100mm	radius	0.5mm	GXMG5-M16M16-R0.5	H6721	138.68
16mm	16mm	32mm	100mm	radius	1.0mm	GXMG5-M16M16-R1.0	H6722	162.72
16mm	16mm	32mm	100mm	radius	1.5mm	GXMG5-M16M16-R1.5	H6723	162.72
16mm	16mm	32mm	100mm	radius	2.0mm	GXMG5-M16M16-R2.0	H6724	162.72
16mm	16mm	32mm	100mm	radius	3.0mm	GXMG5-M16M16-R3.0	H6725	162.72
20mm	20mm	38mm	100mm	SQ*	0.25mm	GXMG5-M20M20	H6726	220.09
20mm	20mm	38mm	100mm	radius	0.5mm	GXMG5-M20M20-R0.5	H6727	220.09
20mm	20mm	38mm	100mm	radius	1.0mm	GXMG5-M20M20-R1.0	H6728	253.92
20mm	20mm	38mm	100mm	radius	1.5mm	GXMG5-M20M20-R1.5	H6729	253.92
20mm	20mm	38mm	100mm	radius	2.0mm	GXMG5-M20M20-R2.0	H6730	253.92
20mm	20mm	38mm	100mm	radius	3.0mm	GXMG5-M20M20-R3.0	H6731	253.92

SQ* = minimal radius for corner protection.

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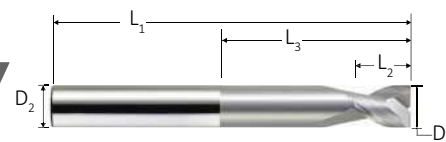


2 FLUTE • 35° FOR LIGHT DUTY CNC MACHINES



Additional coatings - nACRo, DLC & TiB₂ available upon request

SERIES: ALMG ✓ Check Stock Online



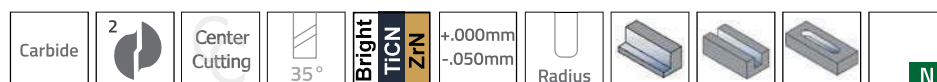
- ▶ For universal machining in non-ferrous materials
- ▶ Small corner radius for added strength and smoother cutting action
- ▶ Excellent cost value for small production runs



DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/8	1/8	3/8		1-1/2	0.010	ALMG-404	17737	47737	67737	10.56	13.10
3/16	3/16	1/4	9/16	2	0.010	ALMG-606	12463	42463	62463	26.00	28.60
3/16	3/16	5/8		2	0.010	ALMG-606	17739	47739	67739	14.99	17.74
1/4	1/4	5/16	3/4	2-1/2	0.010	ALMG-808	12465	42465	62465	29.98	36.20
1/4	1/4	1/2	7/8	2-1/2	0.010	ALMG-808	10837	40837	60837	26.18	29.28
1/4	1/4	3/4		2-1/2	0.010	ALMG-808	17741	47741	67741	19.35	23.99
1/4	1/4	1-1/8		3	0.010	ALMG-808-L	17755	47755	67755	25.18	31.23
5/16	5/16	13/16		2-1/2	0.010	ALMG-1010	17743	47743	67743	25.55	31.68
5/16	5/16	1-1/8		3	0.010	ALMG-1010-L	17756	47756	67756	28.51	33.89
3/8	3/8	1/2	7/8	2-1/2	0.015	ALMG-1212	10839	40839	60839	37.83	42.68
3/8	3/8	1/2	1-3/8	3	0.015	ALMG-1212-1	12467	42467	62467	49.94	55.76
3/8	3/8	1/2	2-3/8	4	0.015	ALMG-1212-2	12469	42469	62469	45.53	49.28
3/8	3/8	1		2-1/2	0.015	ALMG-1212	17745	47745	67745	29.39	36.44
3/8	3/8	1-1/8		3	0.015	ALMG-1212-L	17757	47757	67757	40.52	48.00
7/16	7/16	1		2-3/4	0.015	ALMG-1414	17747	47747	67747	42.21	50.77
1/2	1/2	5/8	1-1/8	3	0.020	ALMG-1616	10841	40841	60841	61.63	69.53
1/2	1/2	5/8	2-1/8	4	0.020	ALMG-1616-1	12471	42471	62471	69.89	80.42
1/2	1/2	5/8	3-1/8	5	0.020	ALMG-1616-2	12473	42473	62473	84.14	97.31
1/2	1/2	1		3	0.020	ALMG-1616	17749	47749	67749	50.06	58.63
1/2	1/2	2		4	0.020	ALMG-1616-L	17759	47759	67759	62.02	73.29
5/8	5/8	1-1/4		3-1/2	0.020	ALMG-2020	17751	47751	67751	94.40	107.62
5/8	5/8	2-1/4		5	0.020	ALMG-2020-L	17760	47760	67760	123.32	144.14
3/4	3/4	1	1-7/8	4	0.030	ALMG-2424	10843	40843	60843	166.76	182.91
3/4	3/4	1	2-7/8	5	0.030	ALMG-2424-1	12475	42475	62475	196.84	217.03
3/4	3/4	1	3-7/8	6	0.030	ALMG-2424-2	12477	42477	62477	214.74	238.97
3/4	3/4	1-1/2		4	0.030	ALMG-2424	17752	47752	67752	144.14	165.88
3/4	3/4	2-1/4		5	0.030	ALMG-2424-L	17761	47761	67761	182.90	225.35
1	1	1-1/2		4	0.030	ALMG-3232	17754	47754	67754	219.42	251.02
1	1	2-1/4		5	0.030	ALMG-3232-L	17762	47762	67762	270.68	310.18

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2 FLUTE • 35° FOR LIGHT DUTY CNC MACHINES

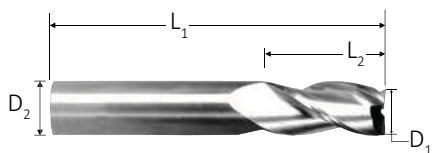


✓ Check Stock Online

SERIES: ALMG-M_M_

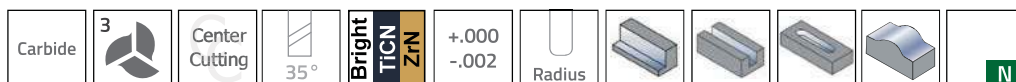
DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
4mm	4mm	14mm	51mm	0.3mm	ALMG-M4M4	11431	41431	61431	15.79	18.39
6mm	6mm	20mm	63mm	0.3mm	ALMG-M6M6	11435	41435	61435	20.14	25.00
8mm	8mm	20mm	63mm	0.3mm	ALMG-M8M8	11437	41437	61437	24.44	30.30
10mm	10mm	25mm	70mm	0.4mm	ALMG-M10M10	11439	41439	61439	39.79	47.00
12mm	12mm	25mm	76mm	0.4mm	ALMG-M12M12	11443	41443	61443	50.26	58.16
14mm	14mm	32mm	89mm	0.5mm	ALMG-M14M14	11445	41445	61445	88.57	106.23
16mm	16mm	32mm	89mm	0.5mm	ALMG-M16M16	11447	41447	61447	96.65	112.80
20mm	20mm	38mm	100mm	0.7mm	ALMG-M20M20	11451	41451	61451	183.41	209.06

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ALUMINUM ALLOYS

3 FLUTE • 35° FOR LIGHT DUTY CNC MACHINES



Additional coatings - nACRo, DLC & TiB₂ available upon request

- For universal machining in non-ferrous materials
- Small corner radius for added strength and smoother cutting action
- Excellent cost value for small production runs

SERIES: ELMG ✓ Check Stock Online

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/8	1/8	3/8	1-1/2	0.005	ELMG-404	17764	47764	67764	10.56	12.66
3/16	3/16	5/8	2	0.005	ELMG-606	17766	47766	67766	14.99	17.59
1/4	1/4	3/4	2-1/2	0.005	ELMG-808	17768	47768	67768	19.35	22.45
1/4	1/4	1-1/8	3	0.005	ELMG-808-L	17782	47782	67782	25.18	28.90
5/16	5/16	13/16	2-1/2	0.005	ELMG-1010	17770	47770	67770	25.55	31.68
5/16	5/16	1-1/8	3	0.005	ELMG-1010-L	17783	47783	67783	28.51	39.14
3/8	3/8	1	2-1/2	0.005	ELMG-1212	17772	47772	67772	29.39	40.37
3/8	3/8	1-1/8	3	0.005	ELMG-1212-L	17784	47784	67784	40.52	48.00
7/16	7/16	1	2-3/4	0.005	ELMG-1414	17774	47774	67774	42.21	50.77
1/2	1/2	1-1/4	3	0.005	ELMG-1616	17776	47776	67776	50.06	64.25
1/2	1/2	1-1/2	4	0.005	ELMG-1616-M	10811	40811	60811	62.02	71.44
1/2	1/2	2	4	0.005	ELMG-1616-L	17786	47786	67786	62.02	80.33
5/8	5/8	1-5/8	3-1/2	0.005	ELMG-2020	17778	47778	67778	94.40	107.62
5/8	5/8	2-1/4	5	0.005	ELMG-2020-L	17787	47787	67787	123.32	157.94
3/4	3/4	1-5/8	4	0.005	ELMG-2424	17779	47779	67779	143.37	165.12
3/4	3/4	2-1/4	5	0.005	ELMG-2424-L	17788	47788	67788	182.90	208.51
1	1	1-1/2	4	0.005	ELMG-3232	17781	47781	67781	219.42	242.88
1	1	2-1/4	5	0.005	ELMG-3232-L	17789	47789	67789	270.68	308.56

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3 FLUTE • 35° FOR LIGHT DUTY CNC MACHINES



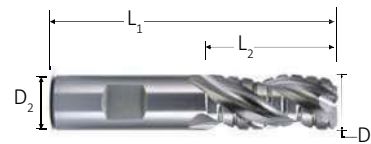
SERIES: ELMG-M_M_ ✓ Check Stock Online Additional coatings - nACRo, DLC & TiB₂ available upon request

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
3mm	6mm	12mm	63mm	0.125mm	ELMG-M6M3	11680	41680	61680	20.14	23.64
4mm	4mm	14mm	51mm	0.125mm	ELMG-M4M4	11455	41455	61455	15.79	18.39
4mm	6mm	14mm	63mm	0.125mm	ELMG-M6M4	11681	41681	61681	17.99	21.09
5mm	5mm	20mm	51mm	0.125mm	ELMG-M5M5	11457	41457	61457	20.14	23.39
6mm	6mm	20mm	63mm	0.125mm	ELMG-M6M6	11459	41459	61459	20.14	23.24
8mm	8mm	20mm	63mm	0.125mm	ELMG-M8M8	11461	41461	61461	24.44	29.29
10mm	10mm	25mm	70mm	0.125mm	ELMG-M10M10	11463	41463	61463	39.79	47.42
12mm	12mm	25mm	76mm	0.125mm	ELMG-M12M12	11465	41465	61465	50.26	58.16
14mm	14mm	32mm	89mm	0.125mm	ELMG-M14M14	11467	41467	61467	88.57	98.77
16mm	16mm	32mm	89mm	0.125mm	ELMG-M16M16	11469	41469	61469	96.65	112.80
18mm	18mm	38mm	100mm	0.125mm	ELMG-M18M18	11471	41471	61471	147.37	163.52
20mm	20mm	38mm	100mm	0.125mm	ELMG-M20M20	11473	41473	61473	183.41	209.06
25mm	25mm	38mm	100mm	0.125mm	ELMG-M25M25	11475	41475	61475	241.96	273.56

Speed & Feed:
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3 FLUTE • POWDERED METAL ROUGHER FOR AGGRESSIVE MACHINING

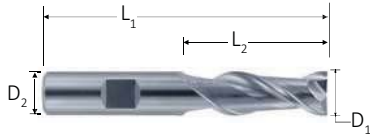
Additional coatings - nACRo, DLC & TiB₂ available upon request

- Outstanding performance in large diameter work
- Truncated, ground profile enables optimum chip evacuation
- Enables heavy cutting while still leaving good finishes
- Polished flute face eliminates chip build-up

SERIES: ERFPM ✓ Check Stock Online

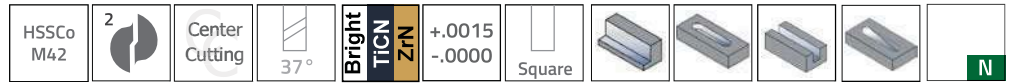
DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER		LENGTH	PART NAME	BRIGHT EDP	TICN EDP	ZrN EDP	Bright Price	Coated Price
3/8	3/8	3/4	2-1/2	chamfer	0.02 X 45°	std	ERFPM-1212	14489	44489	64489	22.61	27.46
3/8	3/8	1-1/2	3-1/4	chamfer	0.02 X 45°	long	ERFPM-1212-L	14475	44475	64475	39.64	46.43
1/2	1/2	1-1/4	3-1/4	chamfer	0.02 X 45°	std	ERFPM-1616	14492	44492	64492	31.79	41.01
1/2	1/2	1-1/4	3-1/4	radius	0.125	std	ERFPM-1616-R	14498	44498	64498	35.76	44.98
1/2	1/2	1-1/2	3-1/2	chamfer	0.02 X 45°	med	ERFPM-1616-M	14478	44478	64478	47.04	56.26
1/2	1/2	1-1/2	3-1/2	radius	0.125	med	ERFPM-1616-MR	14480	44480	64480	53.16	62.38
1/2	1/2	2	4	chamfer	0.02 X 45°	long	ERFPM-1616-L	14476	44476	64476	47.78	58.31
1/2	1/2	2	4	radius	0.125	long	ERFPM-1616-LR	14477	44477	64477	55.38	65.91
5/8	5/8	1-5/8	3-3/4	chamfer	0.02 X 45°	std	ERFPM-2020	11645	41645	61645	54.08	67.17
5/8	5/8	1-5/8	3-3/4	radius	0.125	std	ERFPM-2020-R	14499	44499	64499	60.84	73.93
5/8	5/8	2-1/8	4-1/4	chamfer	0.02 X 45°	med	ERFPM-2020-M	14493	44493	64493	54.97	69.69
5/8	5/8	2-1/2	4-5/8	chamfer	0.02 X 45°	long	ERFPM-2020-L	14494	44494	64494	65.81	82.17
3/4	3/4	1-5/8	3-7/8	chamfer	0.04 X 45°	std	ERFPM-2424	14481	44481	64481	54.44	70.59
3/4	3/4	1-5/8	3-7/8	radius	0.125	std	ERFPM-2424-R	14484	44484	64484	63.33	79.48
3/4	3/4	2-1/4	4-1/2	chamfer	0.04 X 45°	med	ERFPM-2424-M	14482	44482	64482	62.22	80.39
3/4	3/4	2-1/4	4-1/2	radius	0.125	med	ERFPM-2424-MR	14483	44483	64483	70.62	88.79
3/4	3/4	3	5-1/4	chamfer	0.04 X 45°	long	ERFPM-2424-L	11646	41646	61646	79.00	101.21
1	1	2	4-1/2	chamfer	0.04 X 45°	std	ERFPM-3232	14485	44485	64485	82.89	118.44
1	1	2	4-1/2	radius	0.125	std	ERFPM-3232-R	14488	44488	64488	91.22	126.77
1	1	3	5-1/2	chamfer	0.04 X 45°	med	ERFPM-3232-M	14495	44495	64495	101.85	145.30
1	1	3	5-1/2	radius	0.125	med	ERFPM-3232-MR	14487	44487	64487	109.78	158.00
1	1	4	6-1/2	chamfer	0.04 X 45°	long	ERFPM-3232-L	14486	44486	64486	131.44	186.74
1-1/4	1-1/4	2	4-1/2	chamfer	0.04 X 45°	std	ERFPM-4040	14496	44496	64496	110.92	150.57
1-1/4	1-1/4	2	4-1/2	radius	0.125	std	ERFPM-4040-R	14449	44449	64449	124.79	180.30
1-1/4	1-1/4	4	6-1/2	chamfer	0.04 X 45°	long	ERFPM-4040-L	14497	44497	64497	170.16	225.67

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ALUMINUM ALLOYS

2 FLUTE • 38° HELIX COBALT END MILLS



Additional coatings - nACRo, DLC & TiB₂ available upon request

- Designed for conventional machining of Aluminum Alloys
- Excellent for use in large diameter work
- Requires less horsepower and speed than carbide cutters
- Polished flutes
- Fully compliant with NAS 986

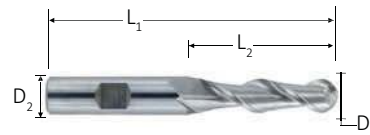
SERIES: AA ✓ **Check Stock Online**

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	LENGTH	PART NAME	BRIGHT EDP	TICN EDP	ZRN EDP	Bright Price	Coated Price
1/4	3/8	1/2	2-5/16	std	AA-1208	10616	40616	60616	17.41	21.13
1/4	3/8	5/8	2-7/16	med	AA-1208-M	10648	40648	60648	20.08	23.18
1/4	3/8	1	2-7/8	med/long	AA-1208-ML	10652	40652	60652	20.22	23.94
1/4	3/8	1-1/4	3-1/16	long	AA-1208-L	10654	40654	60654	21.27	25.61
1/4	3/8	1-3/4	3-9/16	xl	AA-1208-E	10700	40700	60700	32.07	37.03
5/16	3/8	9/16	2-5/16	std	AA-1210	10618	40618	60618	17.41	22.79
5/16	3/8	3/4	2-1/2	med	AA-1210-M	10658	40658	60658	20.08	24.56
5/16	3/8	1-3/8	3-1/8	long	AA-1210-L	10662	40662	60662	20.29	26.56
5/16	3/8	2	3-3/4	xl	AA-1210-E	10702	40702	60702	31.93	39.10
3/8	3/8	9/16	2-5/16	std	AA-1212	10620	40620	60620	17.41	23.23
3/8	3/8	3/4	2-1/2	med	AA-1212-M	10664	40664	60664	20.08	24.93
3/8	3/8	1-1/2	3-1/4	long	AA-1212-L	10668	40668	60668	21.27	28.06
3/8	3/8	2-1/2	4-1/4	xl	AA-1212-E	10704	40704	60704	29.52	38.25
7/16	3/8	1	2-11/16	std	AA-1214	10622	40622	60622	22.34	29.97
1/2	1/2	1	3	std	AA-1616	10624	40624	60624	25.48	33.38
1/2	1/2	1-1/4	3-1/4	med	AA-1616-M	10674	40674	60674	28.75	36.12
1/2	1/2	2	4	long	AA-1616-L	10678	40678	60678	32.24	42.77
1/2	1/2	3	5	xl	AA-1616-E	10708	40708	60708	39.57	52.74
5/8	5/8	1-5/8	3-3/4	std	AA-2020	10626	40626	60626	32.66	41.98
5/8	5/8	2-1/2	4-5/8	long	AA-2020-L	10682	40682	60682	46.94	63.30
5/8	5/8	4	6-1/8	xl	AA-2020-E	10710	40710	60710	58.63	81.53
3/4	3/4	1-5/8	3-7/8	std	AA-2424	10630	40630	60630	48.39	60.13
3/4	3/4	2	4-1/4	med	AA-2424-M	10684	40684	60684	59.93	78.10
3/4	3/4	3	5-1/4	long	AA-2424-L	10686	40686	60686	71.65	93.86
3/4	3/4	4	6-1/4	xl	AA-2424-E	10712	40712	60712	88.34	116.60
7/8	7/8	1-7/8	4-1/8	std	AA-2828	10634	40634	60634	62.97	91.83
1	3/4	1-7/8	4-1/8	std	AA-2432	10632	40632	60632	75.30	93.41
1	1	2	4-1/2	std	AA-3232	10636	40636	60636	76.64	95.00
1	1	4	6-1/2	long	AA-3232-L	10690	40690	60690	117.46	172.76
1	1	6	8-1/2	xl	AA-3232-E	10716	40716	60716	149.22	220.32

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2 FLUTE • BALL NOSE 38° HELIX COBALT END MILLS



HSSCo M42	2	Center Cutting	37°	Bright TiCN ZrN	+0.0005 -0.0005 ≤5/8	+0.001 -0.001 >5/8	Ball					N
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Additional coatings - nACro, DLC & TiB₂ available upon request

- › Designed for conventional machining of Aluminum Alloys
- › Excellent for use in large diameter work
- › Requires less horsepower and speed than carbide cutters
- › Polished flutes
- › Fully compliant with NAS 986

SERIES: AA-__-B ✓ **Check Stock Online**

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	LENGTH	PART NAME	BRIGHT EDP	TICN EDP	ZrN EDP	Bright Price	Coated Price
1/4	3/8	1/2	2-5/16	std	AA-1208-B	12842	42842	62842	20.89	24.61
1/4	3/8	1-1/4	3-1/16	long	AA-1208-LB	12844	42844	62844	25.52	29.86
5/16	3/8	9/16	2-5/16	std	AA-1210-B	12848	42848	62848	20.89	26.27
5/16	3/8	1-3/8	3-1/8	long	AA-1210-LB	12850	42850	62850	24.35	30.62
3/8	3/8	9/16	2-5/16	std	AA-1212-B	12854	42854	62854	20.89	26.71
3/8	3/8	1-1/2	3-1/4	long	AA-1212-LB	12856	42856	62856	25.52	32.31
7/16	3/8	1	2-11/16	std	AA-1214-B	12860	42860	62860	26.81	34.44
1/2	1/2	1	3	std	AA-1616-B	12866	42866	62866	30.58	38.48
1/2	1/2	2	4	long	AA-1616-LB	12868	42868	62868	38.69	49.22
1/2	1/2	3	5	xl	AA-1616-EB	12870	42870	62870	47.48	60.65
5/8	5/8	1-5/8	3-3/4	std	AA-2020-B	12872	42872	62872	39.19	52.28
5/8	5/8	2-1/2	4-5/8	long	AA-2020-LB	12874	42874	62874	56.33	72.69
5/8	5/8	4	6-1/8	xl	AA-2020-EB	12876	42876	62876	70.36	93.26
3/4	3/4	1-5/8	3-7/8	std	AA-2424-B	12878	42878	62878	58.07	74.22
3/4	3/4	3	5-1/4	long	AA-2424-LB	12880	42880	62880	85.98	108.19
3/4	3/4	4	6-1/4	xl	AA-2424-EB	12882	42882	62882	106.01	131.86
7/8	7/8	1-7/8	4-1/8	std	AA-2828-B	12886	42886	62886	75.56	104.42
7/8	7/8	3-1/2	5-3/4	long	AA-2828-LB	12888	42888	62888	103.47	141.95
1	3/4	1-7/8	4-1/8	std	AA-2432-B	12884	42884	62884	90.36	125.91
1	1	2	4-1/2	std	AA-3232-B	12892	42892	62892	91.97	127.52
1	1	4	6-1/2	long	AA-3232-LB	12894	42894	62894	140.95	196.25
1	1	6	8-1/2	xl	AA-3232-EB	12896	42896	62896	179.06	250.16

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