



Recommended Speed & Feeds For 350 Aluminum Series

High Performance Zirconium Coated Aluminum End Mills

Type of Cut	Aluminum Alloys 6061-T6, 7075-T6, 440, 356, 380, C61300	Depth of Cut	SFM	End Mill Diameter Chip Load Per Tooth					
		vs. Dia of tool	Speed	1/4"	3/8"	1/2"	5/8"	3/4"	1"
Shallow Slotting	<32 HRC	<50% of Dia.	1200+	0.0045	0.0071	0.0100	0.0123	0.0149	0.0200
	> 32 HRC		600+	0.0036	0.0057	0.0080	0.0098	0.0119	0.0160
Deep Slotting	<32 HRC	75-100 % of Dia.	1200+	0.0036	0.0057	0.0080	0.0098	0.0119	0.0160
	> 32 HRC		600+	0.0027	0.0043	0.0060	0.0074	0.0089	0.0120
Medium Radial 1.0 X Dia Depth	<32 HRC	30% x Dia. Radial	1200+	0.0045	0.0071	0.0100	0.0123	0.0149	0.0200
	> 32 HRC		600+	0.0036	0.0057	0.0080	0.0098	0.0119	0.0160
Heavy Radial 1.0 X Dia Depth	<32 HRC	50% x Dia. Radial	1200+	0.0036	0.0057	0.008	0.0098	0.01188	0.016
	> 32 HRC		1200+	0.0036	0.0057	0.008	0.0098	0.01188	0.016
Medium Radial 2.0 X Dia Depth	<32 HRC	30% x Dia. Radial	1200+	0.0045	0.0071	0.0100	0.0123	0.0149	0.0200
	> 32 HRC		600+	0.0036	0.0057	0.0080	0.0098	0.0119	0.0160
Heavy Radial 2.0 X Dia Depth	<32 HRC	50% x Dia. Radial	1200+	0.0036	0.0057	0.008	0.0098	0.01188	0.016
Finishing Medium Radial	<32 HRC	<25% x Dia.	1200+	0.0045	0.0071	0.0100	0.0123	0.0149	0.0200
	> 32 HRC		600+	0.0036	0.0057	0.0080	0.0098	0.0119	0.0160
Finishing Light Radial	<32 HRC	<10% x Dia.	1200+	0.0045	0.00713	0.01	0.01225	0.01485	0.02
Finishing	<32 HRC	<.010 Radial Depth	1200+	0.0054	0.0086	0.0120	0.0147	0.0178	0.0240
	> 32 HRC		600+	0.0045	0.0071	0.0100	0.0123	0.0149	0.0200

Formulas: RPM= (SFM x 3.82)/tool diameter IPM= number of flutes x RPM x chip load per tooth

This chart is a starting point based on a coated tool. Reduce rates up to 50% using an uncoated tool.

Important Disclaimer: The speed and feed rates are suggested as a general guideline. Machine type, horsepower, spindle speed limitations, toolholding & workholding devices all may impact a cutting tool's ability to perform properly. As a result we are not responsible for tool failure, part damage or injury that may be caused as a result.



Aluminum End Mills

Two Flute Single End

Center Cutting
Solid Micro-Grain Carbide



- New Aluminum Design Geometries to increase chip loads by as much as 100%
- The Aluminum Geometries are engineered to improve chip flow from the cutting zone, to allow heavy chip loads at low or high spindle speeds.
- Tapered cores on the long length of flute, to produce less deflection in the cutting zone.
- Special Ground on Edge Prep to insure process vibration damping in the corners.

DIA.	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	UNCOATED PART NUMBER	LIST PRICE	ZIRCONIUM PART NUMBER	LIST PRICE
1/8	1/8	1/4	1-1/2	250-12504	19.20	250-12504-C5	23.97
1/8	1/8	5/16	1-1/2	250-12505	20.25	250-12505-C5	25.02
1/8	1/8	3/8	1-1/2	250-12506	21.20	250-12506-C5	25.92
1/8	1/8	1/2	2	250-12508	24.65	250-12508-C5	30.48
1/8	1/8	5/8	2	250-12510	39.63	250-12510-C5	45.45
1/8	1/8	3/4	2	250-12512	44.02	250-12512-C5	49.85
1/8	1/8	1	2-1/2	250-12516	61.64	250-12516-C5	69.20
5/32	3/16	5/16	2	250-15605	25.95	250-15605-C5	31.96
5/32	3/16	9/16	2	250-15609	28.85	250-15609-C5	34.82
3/16	3/16	5/16	2	250-18705	26.43	250-18705-C5	32.44
3/16	3/16	3/8	2	250-18706	29.58	250-18706-C5	35.55
3/16	3/16	5/8	2-1/2	250-18710	31.68	250-18710-C5	40.98
3/16	3/16	3/4	2-1/2	250-18712	48.00	250-18712-C5	57.25
3/16	3/16	1	2-1/2	250-18716	49.30	250-18716-C5	58.58
7/32	1/4	3/8	2-1/2	250-21806	39.25	250-21806-C5	52.26
7/32	1/4	3/4	2-1/2	250-21812	43.59	250-21812-C5	56.16
1/4	1/4	3/8	2-1/2	250-25006	35.67	250-25006-C5	48.25
1/4	1/4	1/2	2-1/2	250-25008	37.43	250-25008-C5	49.98
1/4	1/4	5/8	2-1/2	250-25010	39.17	250-25010-C5	51.75
1/4	1/4	3/4	2-1/2	250-25012	39.62	250-25012-C5	52.19
1/4	1/4	1	2-1/2	250-25016	48.42	250-25016-C5	61.00
1/4	1/4	1-1/8	2-1/2	250-25018	56.34	250-25018-C5	68.91
1/4	1/4	1-1/4	3	250-25020	61.75	250-25020-C5	74.33
1/4	1/4	1-1/2	3	250-25024	81.77	250-25024-C5	82.13
1/4	1/4	2	4	250-25032	84.53	250-25032-C5	99.20
9/32	5/16	7/16	2-1/2	250-28107	42.40	250-28107-C5	60.98
9/32	5/16	13/16	2-1/2	250-28113	47.10	250-28113-C5	65.67
5/16	5/16	7/16	2-1/2	250-31207	38.55	250-31207-C5	57.12
5/16	5/16	1/2	2-1/2	250-31208	41.39	250-31208-C5	59.93
5/16	5/16	13/16	2-1/2	250-31213	42.83	250-31213-C5	61.40
5/16	5/16	1-1/8	2-1/2	250-31218	69.98	250-31218-C5	88.55
5/16	5/16	1-1/4	3-1/2	250-31220	81.66	250-31220-C5	105.33
5/16	5/16	1-1/2	3-1/2	250-31224	83.66	250-31224-C5	107.28
5/16	5/16	2-1/8	4	250-31234	93.88	250-31234-C5	117.54
11/32	3/8	1/2	2-1/2	250-34308	49.47	250-34308-C5	68.03
11/32	3/8	1	2-1/2	250-34316	54.98	250-34316-C5	73.53
3/8	3/8	1/2	2-1/2	250-37508	45.00	250-37508-C5	63.55
3/8	3/8	5/8	2-1/2	250-37510	46.22	250-37510-C5	64.77
3/8	3/8	3/4	2-1/2	250-37512	48.42	250-37512-C5	67.00
3/8	3/8	1	2-1/2	250-37516	49.74	250-37516-C5	68.31
3/8	3/8	1-1/4	3	250-37520	66.02	250-37520-C5	84.60



Aluminum End Mills



Aluminum End Mills

DIA.	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	UNCOATED PART NUMBER	LIST PRICE	ZIRCONIUM PART NUMBER	LIST PRICE
3/8	3/8	1-1/2	4	250-37524	94.88	250-37524-C5	118.53
3/8	3/8	2	4	250-37532	101.24	250-37532-C5	124.90
3/8	3/8	2-1/2	6	250-37540	125.99	250-37540-C5	168.58
13/32	7/16	9/16	2-3/4	250-40609	70.53	250-40609-C5	95.37
13/32	7/16	1	2-3/4	250-40616	78.30	250-40616-C5	103.20
7/16	7/16	9/16	2-3/4	250-43709	71.32	250-43709-C5	96.17
7/16	7/16	1	2-3/4	250-43716	71.24	250-43716-C5	96.08
7/16	7/16	2	4	250-43732	110.20	250-43732-C5	139.93
15/32	1/2	5/8	3	250-46810	79.71	250-46810-C5	104.57
15/32	1/2	1-1/4	3	250-46820	88.58	250-46820-C5	125.49
1/2	1/2	5/8	3	250-50010	72.53	250-50010-C5	94.44
1/2	1/2	3/4	3	250-50012	74.83	250-50012-C5	96.65
1/2	1/2	1	3	250-50016	77.48	250-50016-C5	99.38
1/2	1/2	1-1/4	3	250-50020	80.55	250-50020-C5	102.46
1/2	1/2	1-1/2	4	250-50024	109.18	250-50024-C5	135.33
1/2	1/2	2	4	250-50032	126.97	250-50032-C5	153.09
1/2	1/2	2-1/4	6	250-50036	193.68	250-50036-C5	224.87
1/2	1/2	2-1/2	6	250-50040	202.50	250-50040-C5	233.66
1/2	1/2	3-1/4	6	250-50048	212.82	250-50048-C5	243.98
1/2	1/2	4	8	250-50064	362.70	250-50064-C5	415.82
5/8	5/8	3/4	3-1/2	250-62512	138.65	250-62512-C5	167.70
5/8	5/8	1-1/4	3-1/2	250-62520	145.26	250-62520-C5	174.30
5/8	5/8	1-5/8	5	250-62526	173.83	250-62526-C5	209.82
5/8	5/8	2	5	250-62532	226.50	250-62532-C5	262.95
5/8	5/8	2-1/2	5	250-62540	233.35	250-62540-C5	269.80
5/8	5/8	3-3/4	5	250-62544	259.70	250-62544-C5	296.15
5/8	5/8	3-1/4	6	250-62552	337.55	250-62552-C5	380.85
5/8	5/8	4	8	250-62564	474.80	250-62564-C5	545.50
3/4	3/4	1	4	250-75016	194.57	250-75016-C5	230.63
3/4	3/4	1-1/2	4	250-75024	202.50	250-75024-C5	238.60
3/4	3/4	1-5/8	4	250-75026	216.20	250-75026-C5	252.28
3/4	3/4	2	5	250-75032	286.11	250-75032-C5	328.36
3/4	3/4	2-1/4	5	250-75036	299.32	250-75036-C5	341.58
3/4	3/4	2-1/2	5	250-75040	312.52	250-75040-C5	354.81
3/4	3/4	3	6	250-75048	333.00	250-75048-C5	382.97
3/4	3/4	3-1/4	6	250-75052	369.76	250-75052-C5	419.67
3/4	3/4	3-1/2	6	250-75056	453.38	250-75056-C5	503.30
3/4	3/4	4	7	250-75064	501.32	250-75064-C5	560.10
3/4	3/4	5	8	250-75080	633.87	250-75080-C5	704.32
1	1	1-1/4	5	250-10020	350.10	250-10020-C5	427.86
1	1	1-1/2	5	250-10024	369.77	250-10024-C5	427.86
1	1	2	5	250-10032	386.75	250-10032-C5	448.85
1	1	2-1/2	5	250-10040	447.20	250-10040-C5	498.27
1	1	3	6	250-10048	460.54	250-10048-C5	530.40
1	1	3-1/2	6	250-10056	598.64	250-10056-C5	663.62
1	1	4-1/8	7	250-10064	697.97	250-10064-C5	776.32
1	1	5-1/2	8	250-10088	985.98	250-10088-C5	1066.82
1-1/4	1-1/4	1-1/4	4-1/2	250-1-2520	686.67	250-1-2520-C5	758.52
1-1/4	1-1/4	2	4-1/2	250-1-2532	739.50	250-1-2532-C5	811.34
1-1/4	1-1/4	3-1/4	6	250-1-2550	1056.42	250-1-2550-C5	1137.52
1-1/4	1-1/4	5	7-1/2	250-1-2580	1188.28	250-1-2580-C5	1293.89



Aluminum End Mills

Three Flute Single End

Center Cutting
Solid Micro-Grain Carbide



- New Aluminum Design Geometries to increase chip loads by as much as 100%
- The Aluminum Geometries are engineered to improve chip flow from the cutting zone, to allow heavy chip loads at low or high spindle speeds.
- Tapered cores on the long length of flute, to produce less deflection in the cutting zone.
- Special Ground on Edge Prep to insure process vibration damping in the corners.

DIA.	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	UNCOATED PART NUMBER	UNCOATED LIST PRICE	ZIRCONIUM PART NUMBER	ZIRCONIUM LIST PRICE
1/8	1/8	1/4	1-1/2	350-12504	19.20	350-12504-C5	23.97
1/8	1/8	5/16	1-1/2	350-12505	20.25	350-12505-C5	25.02
1/8	1/8	3/8	1-1/2	350-12506	21.20	350-12506-C5	25.92
1/8	1/8	1/2	2	350-12508	24.55	350-12508-C5	30.48
1/8	1/8	5/8	2	350-12510	39.63	350-12510-C5	45.65
1/8	1/8	3/4	2	350-12512	44.02	350-12512-C5	49.85
1/8	1/8	1	2-1/2	350-12516	61.64	350-12516-C5	69.20
5/32	3/16	5/16	2	350-15605	25.95	350-15605-C5	31.96
5/32	3/16	9/16	2	350-15609	28.85	350-15609-C5	34.82
3/16	3/16	5/16	2	350-18705	26.43	350-18705-C5	32.42
3/16	3/16	3/8	2	350-18706	29.58	350-18706-C5	35.50
3/16	3/16	5/8	2-1/2	350-18710	31.68	350-18710-C5	40.93
3/16	3/16	3/4	2-1/2	350-18712	48.00	350-18712-C5	57.25
3/16	3/16	1	2-1/2	350-18716	49.30	350-18716-C5	58.58
7/32	1/4	3/8	2-1/2	350-21806	39.25	350-21806-C5	52.26
7/32	1/4	3/4	2-1/2	350-21812	43.56	350-21812-C5	56.16
1/4	1/4	3/8	2-1/2	350-25006	35.67	350-25006-C5	48.25
1/4	1/4	1/2	2-1/2	350-25008	37.43	350-25008-C5	49.98
1/4	1/4	5/8	2-1/2	350-25010	39.17	350-25010-C5	51.75
1/4	1/4	3/4	2-1/2	350-25012	39.62	350-25012-C5	52.19
1/4	1/4	1	2-1/2	350-25016	48.42	350-25016-C5	62.00
1/4	1/4	1-1/8	2-1/2	350-25018	56.34	350-25018-C5	68.91
1/4	1/4	1-1/4	3	350-25020	61.75	350-25020-C5	74.33
1/4	1/4	1-1/2	3	350-25024	81.77	350-25024-C5	83.13
1/4	1/4	2	4	350-25032	84.53	350-25032-C5	99.20
9/32	5/16	7/16	2-1/2	350-28107	42.40	350-28107-C5	60.98
9/32	5/16	13/16	2-1/2	350-28113	47.16	350-28113-C5	65.67
5/16	5/16	7/16	2-1/2	350-31207	38.55	350-31207-C5	57.12
5/16	5/16	1/2	2-1/2	350-31208	41.39	350-31208-C5	59.93
5/16	5/16	13/16	2-1/2	350-31213	42.83	350-31213-C5	61.40
5/16	5/16	1-1/8	2-1/2	350-31218	69.98	350-31218-C5	88.55
5/16	5/16	1-1/4	3-1/2	350-31220	81.66	350-31220-C5	105.33
5/16	5/16	1-1/2	3-1/2	350-31224	83.66	350-31224-C5	107.28
5/16	5/16	2-1/8	4	350-31234	93.88	350-31234-C5	117.54
11/32	3/8	1/2	2-1/2	350-34308	48.47	350-34308-C5	68.03
11/32	3/8	1	2-1/2	350-34316	54.98	350-34316-C5	73.53
3/8	3/8	1/2	2-1/2	350-37508	45.00	350-37508-C5	63.55
3/8	3/8	5/8	2-1/2	350-37510	46.22	350-37510-C5	64.77
3/8	3/8	3/4	2-1/2	350-37512	48.42	350-37512-C5	67.00
3/8	3/8	1	2-1/2	350-37516	49.74	350-37516-C5	68.31
3/8	3/8	1-1/4	3	350-37520	66.02	350-37520-C5	84.60



Aluminum End Mills



Aluminum End Mills

DIA.	SHANK DIA.	FLUTE LENGTH	OVERALL LENGTH	UNCOATED PART NUMBER	UNCOATED LIST PRICE	ZIRCONIUM PART NUMBER	ZIRCONIUM LIST PRICE
3/8	3/8	1-1/2	4	350-37524	94.88	350-37524-C5	118.53
3/8	3/8	2	4	350-37532	101.24	350-37532-C5	124.90
3/8	3/8	2-1/2	6	350-37540	125.99	350-37540-C5	167.58
13/32	7/16	9/16	2-3/4	350-40609	70.53	350-40609-C5	95.37
13/32	7/16	1	2-3/4	350-40616	78.35	350-40616-C5	103.20
7/16	7/16	9/16	2-3/4	350-43709	71.32	350-43709-C5	96.17
7/16	7/16	1	2-3/4	350-43716	71.24	350-43716-C5	96.58
7/16	7/16	2	4	350-43732	110.20	350-43732-C5	139.83
15/32	1/2	5/8	3	350-46810	79.71	350-46810-C5	104.57
15/32	1/2	1-1/4	3	350-46816	88.58	350-46816-C5	125.48
1/2	1/2	5/8	3	350-50010	72.53	350-50010-C5	94.44
1/2	1/2	3/4	3	350-50012	74.83	350-50012-C5	96.65
1/2	1/2	1	3	350-50016	77.48	350-50016-C5	99.38
1/2	1/2	1-1/4	3	350-50020	80.55	350-50020-C5	102.46
1/2	1/2	1-1/2	4	350-50024	108.18	350-50024-C5	135.33
1/2	1/2	2	4	350-50032	126.97	350-50032-C5	153.09
1/2	1/2	2-1/4	6	350-50036	193.68	350-50036-C5	224.84
1/2	1/2	2-1/2	6	350-50040	202.50	350-50040-C5	233.63
1/2	1/2	3-1/4	6	350-50048	212.82	350-50048-C5	243.98
1/2	1/2	4	8	350-50064	362.70	350-50064-C5	415.82
5/8	5/8	3/4	3-1/2	350-62512	138.65	350-62512-C5	167.70
5/8	5/8	1-1/4	3-1/2	350-62520	145.26	350-62520-C5	174.30
5/8	5/8	1-5/8	5	350-62526	173.83	350-62526-C5	209.82
5/8	5/8	2	5	350-62532	226.50	350-62532-C5	262.95
5/8	5/8	2-1/2	5	350-62540	233.35	350-62540-C5	269.80
5/8	5/8	3-3/4	5	350-62544	259.70	350-62544-C5	296.10
5/8	5/8	3-1/4	6	350-62552	337.55	350-62552-C5	380.85
5/8	5/8	4	8	350-62564	474.80	350-62564-C5	545.54
3/4	3/4	1	4	350-75016	194.57	350-75016-C5	230.63
3/4	3/4	1-1/2	4	350-75024	202.50	350-75024-C5	238.60
3/4	3/4	1-5/8	4	350-75026	216.20	350-75026-C5	252.28
3/4	3/4	2	5	350-75032	286.11	350-75032-C5	328.36
3/4	3/4	2-1/4	5	350-75036	299.32	350-75036-C5	341.58
3/4	3/4	2-1/2	5	350-75040	312.52	350-75040-C5	354.81
3/4	3/4	3	6	350-75048	333.03	350-75048-C5	382.97
3/4	3/4	3-1/4	6	350-75052	369.76	350-75052-C5	419.67
3/4	3/4	3-1/2	6	350-75056	453.38	350-75056-C5	563.30
3/4	3/4	4	7	350-75064	501.32	350-75064-C5	560.10
3/4	3/4	5	8	350-75080	633.87	350-75080-C5	704.32
1	1	1-1/4	5	350-10020	353.10	350-10020-C5	427.86
1	1	1-1/2	5	350-10024	369.77	350-10024-C5	427.86
1	1	2	5	350-10032	390.75	350-10032-C5	448.54
1	1	2-1/2	5	350-10040	447.28	350-10040-C5	498.27
1	1	3	6	350-10048	460.34	350-10048-C5	533.40
1	1	3-1/2	6	350-10056	598.64	350-10056-C5	663.62
1	1	4-1/8	7	350-10066	697.97	350-10066-C5	770.33
1	1	5-1/2	8	350-10088	985.98	350-10088-C5	1066.82
1-1/4	1-1/4	1-1/4	4-1/2	350-1-2520	686.67	350-1-2520-C5	758.52
1-1/4	1-1/4	2	4-1/2	350-1-2532	739.50	350-1-2532-C5	811.34
1-1/4	1-1/4	3-1/4	6	350-1-2552	1056.42	350-1-2552-C5	1137.51
1-1/4	1-1/4	5	7-1/2	350-1-2580	1188.48	350-1-2580-C5	1293.86



Aluminum End Mills

Three Flute - Necked



DIA.	FLUTE LENGTH	LENGTH BELOW SHANK	OVERALL LENGTH	UNCOATED PART NUMBER	UNCOATED LIST PRICE	ZIRCONIUM PART NUMBER	ZIRCONIUM LIST PRICE
1/8	1/4	1/2	1-1/2	350-12504N08	30.81	350-12504N08-C5	36.27
1/8	1/4	0	3	350-12504NS0	26.96	350-12504NS0-C5	51.06
1/8	1/4	1-3/8	3	350-12504NS22	52.18	350-12504NS22-C5	60.51
3/16	5/16	1/2	2	350-18705N08	37.43	350-18705N08-C5	43.41
3/16	5/16	0	3	350-18705NS0	44.03	350-18705NS0-C5	53.45
3/16	5/16	1-3/8	3	350-18705NS22	52.17	350-18705NS22-C5	63.15
1/4	3/8	1-1/8	2-1/2	350-25006N18	48.44	350-25006N18-C5	60.99
1/4	3/8	0	4	350-25006NS0	66.05	350-25006NS0-C5	80.69
1/4	3/8	2-1/8	4	350-2506NS34	80.98	350-2506NS34-C5	95.66
1/4	3/4	0	4	350-25012NS0	74.18	350-25012NS0-C5	90.69
1/4	3/4	2-1/8	4	350-25012NS34	96.99	350-25012NS34-C5	107.49
5/16	7/16	1-1/8	2-1/2	350-31207N18	52.83	350-31207N18-C5	71.40
5/16	7/16	0	4	350-31207NS0	70.42	350-31207NS0-C5	94.08
5/16	7/16	2-1/8	4	350-31207NS34	83.66	350-31207NS34-C5	107.28
5/16	13/16	0	4	350-31213NS0	79.18	350-31213NS0-C5	105.74
5/16	13/16	2-1/8	4	350-31213NS34	93.99	350-31213NS34-C5	120.80
3/8	1/2	1-1/8	2-1/2	350-37508N18	59.88	350-37508N18-C5	76.55
3/8	1/2	0	4	350-37508NS0	64.35	350-37508NS0-C5	85.22
3/8	1/2	2-1/8	4	350-37508NS34	79.28	350-37508NS34-C5	100.14
3/8	1	0	4	350-37516NS0	72.33	350-37516NS0-C5	95.73
3/8	1	2-1/8	4	350-37516NS34	89.07	350-37516NS34-C5	112.52
1/2	5/8	1-3/8	3	350-50010N22	84.53	350-50010N22-C5	106.44
1/2	5/8	0	4	350-50010NS0-4	105.63	350-50010NS0-4-C5	131.80
1/2	5/8	2-3/8	4	350-50010NS38	140.85	350-50010NS38-C5	175.04
1/2	5/8	0	6	350-50010NS0-6	126.77	350-50010NS0-6-C5	152.94
1/2	5/8	3-3/8	6	350-50010NS54	167.23	350-50010NS54-C5	198.43
1/2	1-1/4	0	6	350-50020NS0-6	158.24	350-50020NS0-6-C5	222.55
1/2	1-1/4	3-3/8	6	350-50020NS54	187.95	350-50020NS54-C5	262.30
5/8	3/4	1-5/8	3-1/2	350-62512N26	161.10	350-62512N26-C5	190.15
5/8	3/4	0	5	350-62512NS0-5	190.26	350-62512NS0-5-C5	226.53
5/8	3/4	2-3/8	5	350-62512NS38	212.60	350-62512NS38-C5	249.06
5/8	3/4	0	6	350-62512NS0-6	218.94	350-62512NS0-6-C5	262.26
5/8	3/4	3-3/8	6	350-62512NS54	245.35	350-62512NS54-C5	293.31
5/8	1-5/8	0	6	350-62526NS0-6	246.03	350-62526NS0-6-C5	294.63
5/8	1-5/8	3-3/8	6	350-62526NS54	275.65	350-62526NS54-C5	324.27
3/4	1	1-5/8	4	350-75016N26	228.45	350-75016N26-C5	264.59
3/4	1	0	5	350-75016NS0-5	251.13	350-75016NS0-5-C5	290.94
3/4	1	2-1/2	5	350-75016NS40	277.74	350-75016NS40-C5	317.57
3/4	1	0	6	350-75016NS0-6	289.21	350-75016NS0-6-C5	332.49
3/4	1	3-3/8	6	350-75016NS54	320.37	350-75016NS54-C5	363.68
3/4	1-5/8	0	6	350-75026NS0-6	324.95	350-75026NS0-6-C5	373.64
3/4	1-5/8	3-3/8	6	350-75026NS54	360.00	350-75026NS54-C5	408.64



Aluminum End Mills

Three Flute – With Radius



Aluminum End Mills

DIA.	SHANK DIA.	RADIUS	FLUTE LENGTH	OVERALL LENGTH	ZIRCONIUM PART NUMBER	ZIRCONIUM LIST PRICE
1/8	1/8	.020	3/8	1-1/2	350-12506-020-C5	29.82
1/8	1/8	.030	3/8	1-1/2	350-12506-030-C5	29.82
3/16	3/16	.010	5/8	2-1/2	350-18710-010-C5	45.09
3/16	3/16	.030	5/8	2-1/2	350-18710-030-C5	45.09
1/4	1/4	.010	3/8	2-1/2	350-25006-010-C5	55.50
1/4	1/4	.015	3/8	2-1/2	350-25006-015-C5	55.50
1/4	1/4	.020	3/8	2-1/2	350-25006-020-C5	55.50
1/4	1/4	.030	3/8	2-1/2	350-25006-030-C5	55.50
1/4	1/4	.045	3/8	2-1/2	350-25006-045-C5	55.50
1/4	1/4	.060	3/8	2-1/2	350-25006-060-C5	60.33
1/4	1/4	.010	3/4	2-1/2	350-25012-010-C5	60.22
1/4	1/4	.015	3/4	2-1/2	350-25012-015-C5	60.22
1/4	1/4	.020	3/4	2-1/2	350-25012-020-C5	60.22
1/4	1/4	.030	3/4	2-1/2	350-25012-030-C5	60.22
1/4	1/4	.045	3/4	2-1/2	350-25012-045-C5	60.22
1/4	1/4	.060	3/4	2-1/2	350-25012-060-C5	65.24
1/4	1/4	.010	1-1/4	3	350-25020-010-C5	81.77
1/4	1/4	.015	1-1/4	3	350-25020-015-C5	81.77
1/4	1/4	.020	1-1/4	3	350-25020-020-C5	81.77
1/4	1/4	.030	1-1/4	3	350-25020-030-C5	81.77
1/4	1/4	.045	1-1/4	3	350-25020-045-C5	81.77
1/4	1/4	.060	1-1/4	3	350-25020-060-C5	92.91
5/16	5/16	.060	13/16	2-1/2	350-31213-060-C5	76.76
3/8	3/8	.020	1/2	2-1/2	350-37508-020-C5	73.10
3/8	3/8	.030	1/2	2-1/2	350-37508-030-C5	73.10
3/8	3/8	.045	1/2	2-1/2	350-37508-045-C5	73.10
3/8	3/8	.060	1/2	2-1/2	350-37508-060-C5	79.46
3/8	3/8	.090	1/2	2-1/2	350-37508-090-C5	79.46
3/8	3/8	.120	1/2	2-1/2	350-37508-120-C5	79.46
3/8	3/8	.020	1	2-1/2	350-37516-020-C5	73.10
3/8	3/8	.030	1	2-1/2	350-37516-030-C5	73.10
3/8	3/8	.045	1	2-1/2	350-37516-045-C5	73.10
3/8	3/8	.060	1	2-1/2	350-37516-060-C5	79.46
3/8	3/8	.090	1	2-1/2	350-37516-090-C5	79.46
3/8	3/8	.120	1	2-1/2	350-37516-120-C5	79.46
3/8	3/8	.020	1-1/4	3	350-37520-020-C5	97.29
3/8	3/8	.030	1-1/4	3	350-37520-030-C5	97.29
3/8	3/8	.045	1-1/4	3	350-37520-045-C5	97.29
3/8	3/8	.060	1-1/4	3	350-37520-060-C5	105.75
3/8	3/8	.090	1-1/4	3	350-37520-090-C5	105.75
3/8	3/8	.120	1-1/4	3	350-37520-120-C5	105.75
3/8	3/8	.020	2	4	350-37532-020-C5	143.63
3/8	3/8	.030	2	4	350-37532-030-C5	143.63
3/8	3/8	.045	2	4	350-37532-045-C5	143.63
3/8	3/8	.060	2	4	350-37532-060-C5	156.12
3/8	3/8	.090	2	4	350-37532-090-C5	156.12
3/8	3/8	.120	2	4	350-37532-120-C5	156.12



Aluminum End Mills

Three Flute – With Radius



CUTTING DIA.	SHANK DIA.	RADIUS	FLUTE LENGTH	OVERALL LENGTH	ZIRCONIUM PART NUMBER	ZIRCONIUM LIST PRICE
1/2	1/2	.020	5/8	3	350-50010-020-C5	108.62
1/2	1/2	.030	5/8	3	350-50010-030-C5	108.62
1/2	1/2	.060	5/8	3	350-50010-060-C5	118.05
1/2	1/2	.090	5/8	3	350-50010-090-C5	118.05
1/2	1/2	.120	5/8	3	350-50010-120-C5	118.05
1/2	1/2	.020	1-1/4	3	350-50020-020-C5	117.84
1/2	1/2	.030	1-1/4	3	350-50020-030-C5	117.87
1/2	1/2	.060	1-1/4	3	350-50020-060-C5	128.09
1/2	1/2	.090	1-1/4	3	350-50020-090-C5	128.09
1/2	1/2	.120	1-1/4	3	350-50020-120-C5	128.09
1/2	1/2	.020	1-1/2	4	350-50024-020-C5	155.64
1/2	1/2	.030	1-1/2	4	350-50024-030-C5	155.64
1/2	1/2	.060	1-1/2	4	350-50024-060-C5	169.17
1/2	1/2	.090	1-1/2	4	350-50024-090-C5	169.17
1/2	1/2	.120	1-1/2	4	350-50024-120-C5	169.17
1/2	1/2	.020	2	4	350-50032-020-C5	176.06
1/2	1/2	.030	2	4	350-50032-030-C5	176.06
1/2	1/2	.060	2	4	350-50032-060-C5	191.37
1/2	1/2	.090	2	4	350-50032-090-C5	191.37
1/2	1/2	.120	2	4	350-50032-120-C5	191.37
5/8	5/8	.020	1-5/8	3-1/2	350-62526-020-C5	241.31
5/8	5/8	.030	1-5/8	3-1/2	350-62526-030-C5	241.31
5/8	5/8	.060	1-5/8	3-1/2	350-62526-060-C5	262.28
5/8	5/8	.090	1-5/8	3-1/2	350-62526-090-C5	262.28
5/8	5/8	.120	1-5/8	3-1/2	350-62526-120-C5	262.28
3/4	3/4	.030	1	4	350-75016-030-C5	265.29
3/4	3/4	.060	1	4	350-75016-060-C5	288.36
3/4	3/4	.090	1	4	350-75016-090-C5	288.36
3/4	3/4	.120	1	4	350-75016-120-C5	288.36
3/4	3/4	.030	1-5/8	4	350-75026-030-C5	290.13
3/4	3/4	.060	1-5/8	4	350-75026-060-C5	315.36
3/4	3/4	.090	1-5/8	4	350-75026-090-C5	315.36
3/4	3/4	.120	1-5/8	4	350-75026-120-C5	315.36
3/4	3/4	.030	2	5	350-75032-030-C5	377.63
3/4	3/4	.060	2	5	350-75032-060-C5	410.46
3/4	3/4	.090	2	5	350-75032-090-C5	410.46
3/4	3/4	.120	2	5	350-75032-120-C5	410.46
3/4	3/4	.030	3	6	350-75048-030-C5	440.42
3/4	3/4	.060	3	6	350-75048-060-C5	478.71
3/4	3/4	.090	3	6	350-75048-090-C5	478.71
3/4	3/4	.120	3	6	350-75048-120-C5	478.71
1	1	.060	2	5	350-10032-060-C5	561.06
1	1	.090	2	5	350-10032-090-C5	561.06
1	1	.120	2	5	350-10032-120-C5	561.06



Aluminum End Mills

Three Flute – Ball Nose



Aluminum End Mills

DIA.	FLUTE LENGTH	OVERALL LENGTH	UNCOATED PART NUMBER	UNCOATED LIST PRICE	ZIRCONIUM COATED	ZIRCONIUM LIST PRICE
1/4	3/8	2-1/2	350-25006-BN	44.58	350-25006BN-C5	57.17
1/4	3/4	2-1/2	350-25012-BN	49.53	350-25012BN-C5	62.09
1/4	1-1/4	3	350-25020-BN	77.19	350-25020BN-C5	89.75
5/16	7/16	2-1/2	350-31207-BN	48.20	350-31207BN-C5	66.74
5/16	13/16	2-1/2	350-31213-BN	53.54	350-31213BN-C5	72.86
5/16	1-1/4	3-1/2	350-31220-BN	102.10	350-31220BN-C5	125.73
3/8	1/2	2-1/2	350-37508-BN	56.22	350-37508BN-C5	74.80
3/8	1	2-1/2	350-37516-BN	62.16	350-37516BN-C5	80.73
3/8	1-1/2	4	350-37524-BN	118.61	350-37524BN-C5	127.25
7/16	9/16	2-3/4	350-43709-BN	89.16	350-43709BN-C5	114.00
7/16	1	2-3/4	350-43716-BN	89.05	350-43716BN-C5	113.90
7/16	2	4	350-43732-BN	137.75	350-43732BN-C5	167.39
1/2	5/8	3	350-50010-BN	92.15	350-50010BN-C5	115.47
1/2	1-1/4	3	350-50020-BN	100.68	350-50020BN-C5	125.52
1/2	2	4	350-50032-BN	158.67	350-50032BN-C5	188.31
5/8	3/4	3-1/2	350-62512-BN	173.28	350-62512BN-C5	206.22
5/8	1-5/8	5	350-62526-BN	192.55	350-62526BN-C5	225.45
5/8	2-1/2	5	350-62540-BN	291.67	350-62540BN-C5	332.97
3/4	1	4	350-75016-BN	243.22	350-75016BN-C5	284.16
3/4	1-5/8	4	350-75026-BN	270.70	350-75026BN-C5	311.15
3/4	3-1/4	6	350-75052-BN	416.31	350-75052BN-C5	472.87
1	1-1/4	5	350-10020-BN	441.85	350-10020BN-C5	507.21
1	2	5	350-10032-BN	488.28	350-10032BN-C5	554.28
1	3-1/2	6	350-10056-BN	585.62	350-10056BN-C5	659.34

Three Flute – Necked with Radius



DIA.	RADIUS	FLUTE LENGTH	LENGTH BELOW SHANK	OVERALL LENGTH	ZIRCONIUM PART NUMBER	ZIRCONIUM LIST PRICE
1/4	.015	3/8	1-1/8	2-1/2	350-25006N18-015-C5	102.04
1/4	.015	3/4	2-1/8	4	350-25012NS34-015-C5	138.20
5/16	.015	7/16	1-1/8	2-1/2	350-31207N18-015-C5	93.12
5/16	.015	13/16	2-1/8	4	350-31213NS34-015-C5	141.74
3/8	.030	1/2	2-1/8	4	350-37508NS34-030-C5	124.86
1/2	.030	5/8	3-3/8	6	350-50010NS54-030-C5	222.74
5/8	.030	3/4	3-3/8	6	350-62512NS54-030-C5	313.13
3/4	.030	1	3-3/8	6	350-75016NS54-030-C5	388.25
1	.030	1-1/4	3-3/8	6	350-10020NS54-030-C5	661.65



Aluminum End Mills

Three Flute – Necked, Ball Nose



DIA	FLUTE LENGTH	LENGTH BELOW SHANK	OVERALL LENGTH	UNCOATED PART NUMBER	UNCOATED LIST PRICE	ZIRCONIUM PART NUMBER	ZIRCONIUM LIST PRICE
1/4	3/8	0	2-1/2	350N25006-1 BN	44.58	350N25006-1 BN-C5	57.16
1/4	3/8	1-1/8	2-1/2	350N25006-2 BN	60.68	350N25006-2 BN-C5	74.06
1/4	3/8	0	4	350N25006-3 BN	82.74	350N25006-3 BN-C5	98.36
1/4	3/8	2-1/8	4	350N25006-4 BN	98.04	350N25006-4 BN-C5	113.66
5/16	7/16	0	2-1/2	350N31207-1 BN	48.20	350N31207-1 BN-C5	66.74
5/16	7/16	1-1/8	2-1/4	350N31207-2 BN	66.18	350N31207-2 BN-C5	85.94
5/16	7/16	0	4	350N31207-3 BN	85.25	350N31207-3 BN-C5	110.49
5/16	7/16	2-1/8	4	350N31207-4 BN	104.79	350N31207-4 BN-C5	130.00
3/8	1/2	0	2-1/2	350N37508-1 BN	56.22	350N37508-1 BN-C5	74.81
3/8	1/2	1-1/8	2-1/2	350N37508-2 BN	75.00	350N37508-2 BN-C5	92.46
3/8	1/2	0	4	350N37508-3 BN	86.62	350N37508-3 BN-C5	102.87
3/8	1/2	2-1/8	4	350N37508-4 BN	99.33	350N37508-4 BN-C5	121.58
1/2	5/8	0	3	350N50010-1 BN	90.65	350N50010-1 BN-C5	115.48
1/2	5/8	1-3/8	3	350N50010-2 BN	105.92	350N50010-2 BN-C5	129.24
1/2	5/8	0	4	350N50010-3 BN	129.35	350N50010-3 BN-C5	157.20
1/2	5/8	2-3/8	4	350N50010-4 BN	155.25	350N50010-4 BN-C5	183.05
1/2	5/8	0	6	350N50010-5 BN	158.57	350N50010-5 BN-C5	201.77
1/2	5/8	3-3/8	6	350N50010-6 BN	200.19	350N50010-6 BN-C5	233.43
5/8	3/4	0	3-1/2	350N62512-1 BN	173.25	350N62512-1 BN-C5	206.22
5/8	3/4	1-5/8	3-1/2	350N62512-2 BN	201.90	350N62512-2 BN-C5	232.85
5/8	3/4	0	5	350N62512-3 BN	232.70	350N62512-3 BN-C5	271.00
5/8	3/4	2-3/8	5	350N62512-4 BN	260.31	350N62512-4 BN-C5	298.13
5/8	3/4	0	6	350N62512-5 BN	262.04	350N62512-5 BN-C5	308.18
5/8	3/4	3-3/8	6	350N62512-6 BN	293.64	350N62512-6 BN-C5	339.80
3/4	1	0	4	350N75016-1 BN	243.84	350N75016-1 BN-C5	284.16
3/4	1	1-5/8	4	350N75016-2 BN	286.29	350N75016-2 BN-C5	324.78
3/4	1	0	5	350N75016-3 BN	307.46	350N75016-3 BN-C5	347.86
3/4	1	2-3/8	5	350N75016-4 BN	340.35	350N75016-4 BN-C5	382.46
3/4	1	0	6	350N75016-5 BN	346.11	350N75016-5 BN-C5	392.27
3/4	1	3-3/8	6	350N75016-6 BN	383.23	350N75016-6 BN-C5	429.57
1	1-1/4	0	5	350N10020-1 BN	441.84	350N10020-1 BN-C5	507.21
1	1-1/4	2-1/8	5	350N10020-2 BN	482.67	350N10020-2 BN-C5	544.58
1	1-1/4	0	6	350N10020-3 BN	597.50	350N10020-3 BN-C5	660.70
1	1-1/4	3-3/8	6	350N10020-4 BN	626.55	350N10020-4 BN-C5	695.81
1	1-1/4	0	7	350N10020-5 BN	632.57	350N10020-5 BN-C5	709.65
1	1-1/4	4-3/8	7	350N10020-6 BN	694.90	350N10020-6 BN-C5	771.98