

PRODUCT CATALOG 2023

HIGH PERFORMANCE CUTTING TOOLS



**WE ARE DEPENDABLE.
WE ARE AMERICAN.
WE ARE **ALMAR TOOLS.****



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THE ALMAR GUARANTEE

Our team of machinists has a commitment to quality in order to deliver the precise cutting tools our customers need. All products Almar Tools manufactures are meticulously inspected during the manufacturing process for quality assurance.

ICON KEY



2-Flute Cutter



3-Flute Cutter



4-Flute Cutter



5-Flute Cutter



6-Flute Cutter



Single End Chamfer



Double End Chamfer



Made in the USA



Heat Resistant



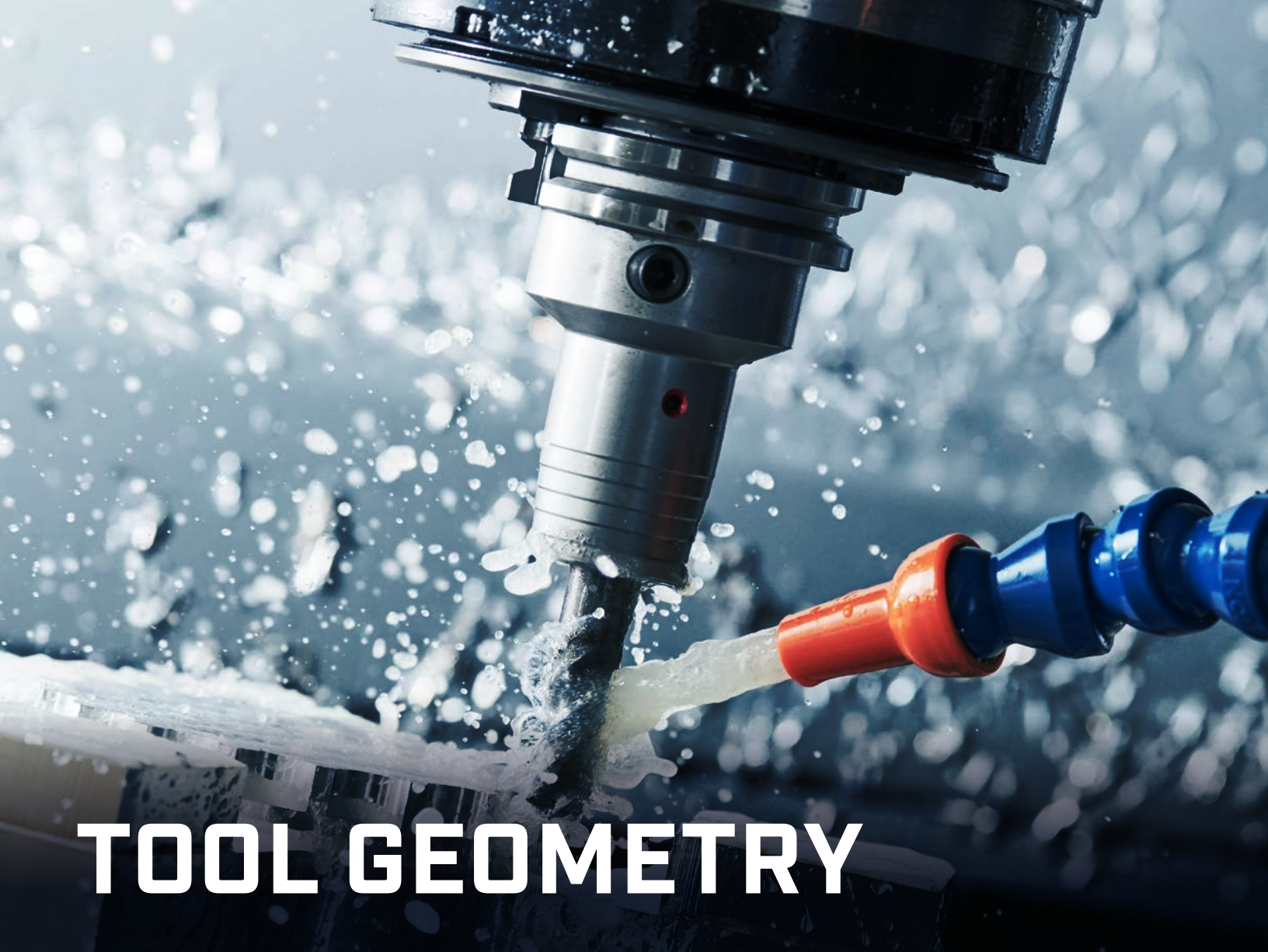
Medical Applications



Military Applications



Aerospace Applications



TOOL GEOMETRY

4-FLUTE VARIABLE INDEX

Variable geometry engineered and tested for decreased chatter and harmonics which results in a higher quality finish and extended tool life. Excellent for use in a variety of roughing and finishing applications.

5-FLUTE VARIABLE INDEX

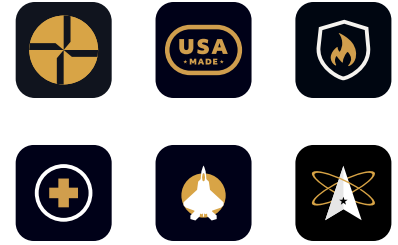
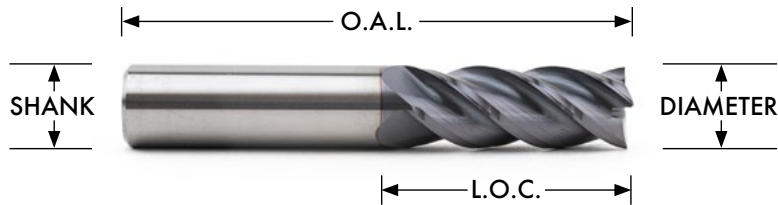
Utilizing the same variable index principals as the 4-flute version to reduce chatter and harmonics, this 5-flute cutter for machining in applications such as stainless steel, mild or hardened steels, and various exotic metals. Good for light to heavy machining, and leaves a great finish perfect for slotting.

6-FLUTE VARIABLE INDEX

Taking it one step further, this 6-flute end mill will put the crucial finishing touches on your parts. Designed for light profile machining and finishing operations, this tool will keep your parts looking sharp!



4-FLUTE VARIABLE INDEX



DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AITiN	TOOL DESCRIPTION
1/8	1/8	1/4	1 1/2	SQ.	10001	4VX01250250A000
				0.02	10002	4VX01250250A020
1/8	1/8	1/2	1 1/2	SQ.	10003	4VX01250500A000
				0.02	10004	4VX01250500A020
1/4	1/4	3/8	2	SQ.	10005	4VX02500375B000
				0.02	10006	4VX02500375B020
				0.03	10007	4VX02500375B030
1/4	1/4	1/2	2 1/2	SQ.	10008	4VX02500500C000
				0.02	10009	4VX02500500C020
				0.03	10010	4VX02500500C030
1/4	1/4	3/4	2 1/2	SQ.	10011	4VX02500750C000
				0.02	10012	4VX02500750C020
				0.03	10013	4VX02500750C030
5/16	5/16	1/2	2 1/2	SQ.	10014	4VX03120500C000
				0.02	10015	4VX03120500C020
				0.03	10016	4VX03120500C030
5/16	5/16	13/16	2 1/2	SQ.	10017	4VX03120812C000
				0.02	10018	4VX03120812C020
				0.03	10019	4VX03120812C030
3/8	3/8	5/8	2 1/2	SQ.	10020	4VX03750625C000
				0.02	10021	4VX03750625C020
				0.03	10022	4VX03750625C030
				0.09	10023	4VX03750625C090

4-FLUTE

4-FLUTE VARIABLE INDEX

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AlTiN	TOOL DESCRIPTION
3/8	3/8	1	2 1/2	SQ.	10024	4VX03751000C000
				0.02	10025	4VX03751000C020
				0.03	10026	4VX03751000C030
				0.09	10027	4VX03751000C090
3/8	3/8	1 1/4	3	SQ.	10028	4VX03751250D000
				0.02	10029	4VX03751250D020
				0.03	10030	4VX03751250D030
				0.09	10031	4VX03751250D090
3/8	3/8	2	4	SQ.	10032	4VX03752000F000
				0.02	10033	4VX03752000F020
				0.03	10034	4VX03752000F030
				0.09	10035	4VX03752000F090
1/2	1/2	5/8	2 1/2	SQ.	10036	4VX05000625C000
				0.02	10037	4VX05000625C020
				0.03	10038	4VX05000625C030
				0.09	10039	4VX05000625C090
1/2	1/2	1	3	SQ.	10040	4VX05001000D000
				0.02	10041	4VX05001000D020
				0.03	10042	4VX05001000D030
				0.09	10043	4VX05001000D090
1/2	1/2	1 1/4	3	SQ.	10044	4VX05001250D000
				0.02	10045	4VX05001250D020
				0.03	10046	4VX05001250D030
				0.09	10047	4VX05001250D090
1/2	1/2	2	4	SQ.	10048	4VX05002000F000
				0.02	10049	4VX05002000F020
				0.03	10050	4VX05002000F030
				0.09	10051	4VX05002000F090

Custom radius sizes available. Call for availability.

4-FLUTE VARIABLE INDEX

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AlTiN	TOOL DESCRIPTION
5/8	5/8	3/4	3	SQ.	10052	4VX06250750D000
				0.02	10053	4VX06250750D020
				0.03	10054	4VX06250750D030
				0.09	10055	4VX06250750D090
5/8	5/8	1 1/4	3 1/2	SQ.	10056	4VX06251250E000
				0.02	10057	4VX06251250E020
				0.03	10058	4VX06251250E030
				0.09	10059	4VX06251250E090
5/8	5/8	1 5/8	3 1/2	SQ.	10060	4VX06251625E000
				0.02	10061	4VX06251625E020
				0.03	10062	4VX06251625E030
				0.09	10063	4VX06251625E090
5/8	5/8	3	6	SQ.	10064	4VX06253000J000
				0.02	10065	4VX06253000J020
				0.03	10066	4VX06253000J030
				0.09	10067	4VX06253000J090
3/4	3/4	1	3	SQ.	10068	4VX07501000D000
				0.02	10069	4VX07501000D020
				0.03	10070	4VX07501000D030
				0.09	10071	4VX07501000D090
				0.12	10072	4VX07501000D120
				0.19	10073	4VX07501000D190
3/4	3/4	1 1/2	4	SQ.	10074	4VX07501500F000
				0.02	10075	4VX07501500F020
				0.03	10076	4VX07501500F030
				0.09	10077	4VX07501500F090
				0.12	10078	4VX07501500F120
				0.19	10079	4VX07501500F190

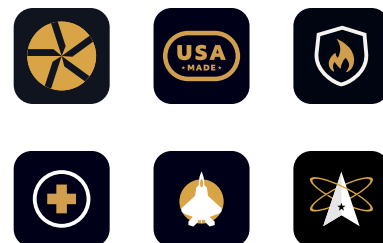
4-FLUTE

4-FLUTE VARIABLE INDEX

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AlTiN	TOOL DESCRIPTION
3/4	3/4	2	5	SQ.	10080	4VX07502000H000
				0.02	10081	4VX07502000H020
				0.03	10082	4VX07502000H030
				0.09	10083	4VX07502000H090
				0.12	10084	4VX07502000H120
				0.19	10085	4VX07502000H190
3/4	3/4	3	6	SQ.	10086	4VX07503000J000
				0.02	10087	4VX07503000J020
				0.03	10088	4VX07503000J030
				0.09	10089	4VX07503000J090
				0.12	10090	4VX07503000J120
				0.19	10091	4VX07503000J190
1	1	1 1/2	4	SQ.	10092	4VX10001500F000
				0.02	10093	4VX10001500F020
				0.09	10094	4VX10001500F090
				0.12	10095	4VX10001500F120
				0.19	10096	4VX10001500F190
1	1	3	6	SQ.	10097	4VX10003000J000
				0.02	10098	4VX10003000J020
				0.09	10099	4VX10003000J090
				0.12	10100	4VX10003000J120
				0.19	10101	4VX10003000J190

Custom radius sizes available. Call for availability.

5-FLUTE VARIABLE INDEX



DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AITIN	TOOL DESCRIPTION
1/4	1/4	3/8	2	SQ.	20001	5VX02500375B000
				0.02	20002	5VX02500375B020
				0.03	20003	5VX02500375B030
1/4	1/4	1/2	2 1/2	SQ.	20004	5VX02500500C000
				0.02	20005	5VX02500500C020
				0.03	20006	5VX02500500C030
1/4	1/4	3/4	2 1/2	SQ.	20007	5VX02500750C000
				0.02	20008	5VX02500750C020
				0.03	20009	5VX02500750C030
5/16	5/16	1/2	2 1/2	SQ.	20010	5VX03120500C000
				0.02	20011	5VX03120500C020
				0.03	20012	5VX03120500C030
5/16	5/16	13/16	2 1/2	SQ.	20013	5VX03120812C000
				0.02	20014	5VX03120812C020
				0.03	20015	5VX03120812C030
3/8	3/8	5/8	2 1/2	SQ.	20016	5VX03750625C000
				0.02	20017	5VX03750625C020
				0.03	20018	5VX03750625C030
				0.09	20019	5VX03750625C090
3/8	3/8	1	2 1/2	SQ.	20020	5VX03751000C000
				0.02	20021	5VX03751000C020
				0.03	20022	5VX03751000C030
				0.09	20023	5VX03751000C090

5-FLUTE VARIABLE INDEX

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AlTiN	TOOL DESCRIPTION
3/8	3/8	1 1/4	3	SQ.	20024	5VX03751250D000
				0.02	20025	5VX03751250D020
				0.03	20026	5VX03751250D030
				0.09	20027	5VX03751250D090
3/8	3/8	2	4	SQ.	20028	5VX03752000F000
				0.02	20029	5VX03752000F020
				0.03	20030	5VX03752000F030
				0.09	20031	5VX03752000F090
1/2	1/2	5/8	2 1/2	SQ.	20032	5VX05000625C000
				0.02	20033	5VX05000625C020
				0.03	20034	5VX05000625C030
				0.09	20035	5VX05000625C090
1/2	1/2	1	3	SQ.	20036	5VX05001000D000
				0.02	20037	5VX05001000D020
				0.03	20038	5VX05001000D030
				0.09	20039	5VX05001000D090
1/2	1/2	1 1/4	3	SQ.	20040	5VX05001250D000
				0.02	20041	5VX05001250D020
				0.03	20042	5VX05001250D030
				0.09	20043	5VX05001250D090
1/2	1/2	2	4	SQ.	20044	5VX05002000F000
				0.02	20045	5VX05002000F020
				0.03	20046	5VX05002000F030
				0.09	20047	5VX05002000F090

Custom radius sizes available. Call for availability.

5-FLUTE VARIABLE INDEX

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AITiN	TOOL DESCRIPTION
5/8	5/8	3/4	3	SQ.	20048	5VX06250750D000
				0.02	20049	5VX06250750D020
				0.03	20050	5VX06250750D030
				0.09	20051	5VX06250750D090
5/8	5/8	1 1/4	3 1/2	SQ.	20052	5VX06251250E000
				0.02	20053	5VX06251250E020
				0.03	20054	5VX06251250E030
				0.09	20055	5VX06251250E090
5/8	5/8	1 5/8	3 1/2	SQ.	20056	5VX06251625E000
				0.02	20057	5VX06251625E020
				0.03	20058	5VX06251625E030
				0.09	20059	5VX06251625E090
5/8	5/8	3	6	SQ.	20060	5VX06253000J000
				0.02	20061	5VX06253000J020
				0.03	20062	5VX06253000J030
				0.09	20063	5VX06253000J090
3/4	3/4	1	3	SQ.	20064	5VX07501000D000
				0.02	20065	5VX07501000D020
				0.03	20066	5VX07501000D030
				0.09	20067	5VX07501000D090
				0.12	20068	5VX07501000D120
				0.19	20069	5VX07501000D190
3/4	3/4	1 1/2	4	SQ.	20070	5VX07501500F000
				0.02	20071	5VX07501500F020
				0.03	20072	5VX07501500F030
				0.09	20073	5VX07501500F090
				0.12	20074	5VX07501500F120
				0.19	20075	5VX07501500F190

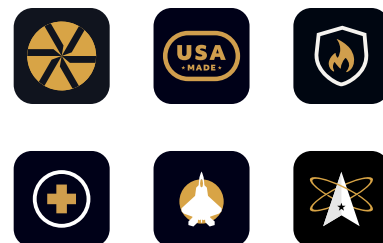
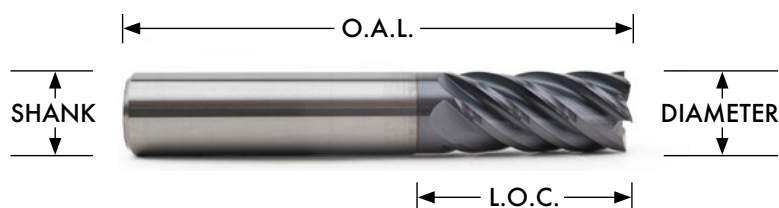
5-FLUTE

5-FLUTE VARIABLE INDEX

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AITiN	TOOL DESCRIPTION
3/4	3/4	2	5	SQ.	20076	5VX07502000H000
				0.02	20077	5VX07502000H020
				0.03	20078	5VX07502000H030
				0.09	20079	5VX07502000H090
				0.12	20080	5VX07502000H120
				0.19	20081	5VX07502000H190
3/4	3/4	3	6	SQ.	20082	5VX07503000J000
				0.02	20083	5VX07503000J020
				0.03	20084	5VX07503000J030
				0.09	20085	5VX07503000J090
				0.12	20086	5VX07503000J120
				0.19	20087	5VX07503000J190
1	1	1 1/2	4	SQ.	20088	5VX10001500F000
				0.02	20089	5VX10001500F020
				0.09	20090	5VX10001500F090
				0.12	20091	5VX10001500F120
				0.19	20092	5VX10001500F190
1	1	3	6	SQ.	20093	5VX10003000J000
				0.02	20094	5VX10003000J020
				0.09	20095	5VX10003000J090
				0.12	20096	5VX10003000J120
				0.19	20097	5VX10003000J190

Custom radius sizes available. Call for availability.

6-FLUTE VARIABLE INDEX



DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AITiN	TOOL DESCRIPTION
3/8	3/8	5/8	2 1/2	SQ.	30001	6VX03750625C000
				0.02	30002	6VX03750625C020
				0.03	30003	6VX03750625C030
				0.09	30004	6VX03750625C090
3/8	3/8	1	2 1/2	SQ.	30005	6VX03751000C000
				0.02	30006	6VX03751000C020
				0.03	30007	6VX03751000C030
				0.09	30008	6VX03751000C090
3/8	3/8	1 1/4	3	SQ.	30009	6VX03751250D000
				0.02	30010	6VX03751250D020
				0.03	30011	6VX03751250D030
				0.09	30012	6VX03751250D090
3/8	3/8	2	4	SQ.	30013	6VX03752000F000
				0.02	30014	6VX03752000F020
				0.03	30015	6VX03752000F030
				0.09	30016	6VX03752000F090
1/2	1/2	5/8	2 1/2	SQ.	30017	6VX05000625C000
				0.02	30018	6VX05000625C020
				0.03	30019	6VX05000625C030
				0.09	30020	6VX05000625C090
1/2	1/2	1	3	SQ.	30021	6VX05001000D000
				0.02	30022	6VX05001000D020
				0.03	30023	6VX05001000D030
				0.09	30024	6VX05001000D090

6-FLUTE VARIABLE INDEX

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AlTiN	TOOL DESCRIPTION
1/2	1/2	1 1/4	3	SQ.	30025	6VX05001250D000
				0.02	30026	6VX05001250D020
				0.03	30027	6VX05001250D030
				0.09	30028	6VX05001250D090
1/2	1/2	2	4	SQ.	30029	6VX05002000F000
				0.02	30030	6VX05002000F020
				0.03	30031	6VX05002000F030
				0.09	30032	6VX05002000F090
5/8	5/8	3/4	3	SQ.	30033	6VX06250750D000
				0.02	30034	6VX06250750D020
				0.03	30035	6VX06250750D030
				0.09	30036	6VX06250750D090
5/8	5/8	1 1/4	3 1/2	SQ.	30037	6VX06251250E000
				0.02	30038	6VX06251250E020
				0.03	30039	6VX06251250E030
				0.09	30040	6VX06251250E090
5/8	5/8	1 5/8	3 1/2	SQ.	30041	6VX06251625E000
				0.02	30042	6VX06251625E020
				0.03	30043	6VX06251625E030
				0.09	30044	6VX06251625E090
5/8	5/8	3	6	SQ.	30045	6VX06253000J000
				0.02	30046	6VX06253000J020
				0.03	30047	6VX06253000J030
				0.09	30048	6VX06253000J090
3/4	3/4	1	3	SQ.	30049	6VX07501000D000
				0.02	30050	6VX07501000D020
				0.03	30051	6VX07501000D030
				0.09	30052	6VX07501000D090
				0.12	30053	6VX07501000D120
				0.19	30054	6VX07501000D190

Custom radius sizes available. Call for availability.

6-FLUTE VARIABLE INDEX

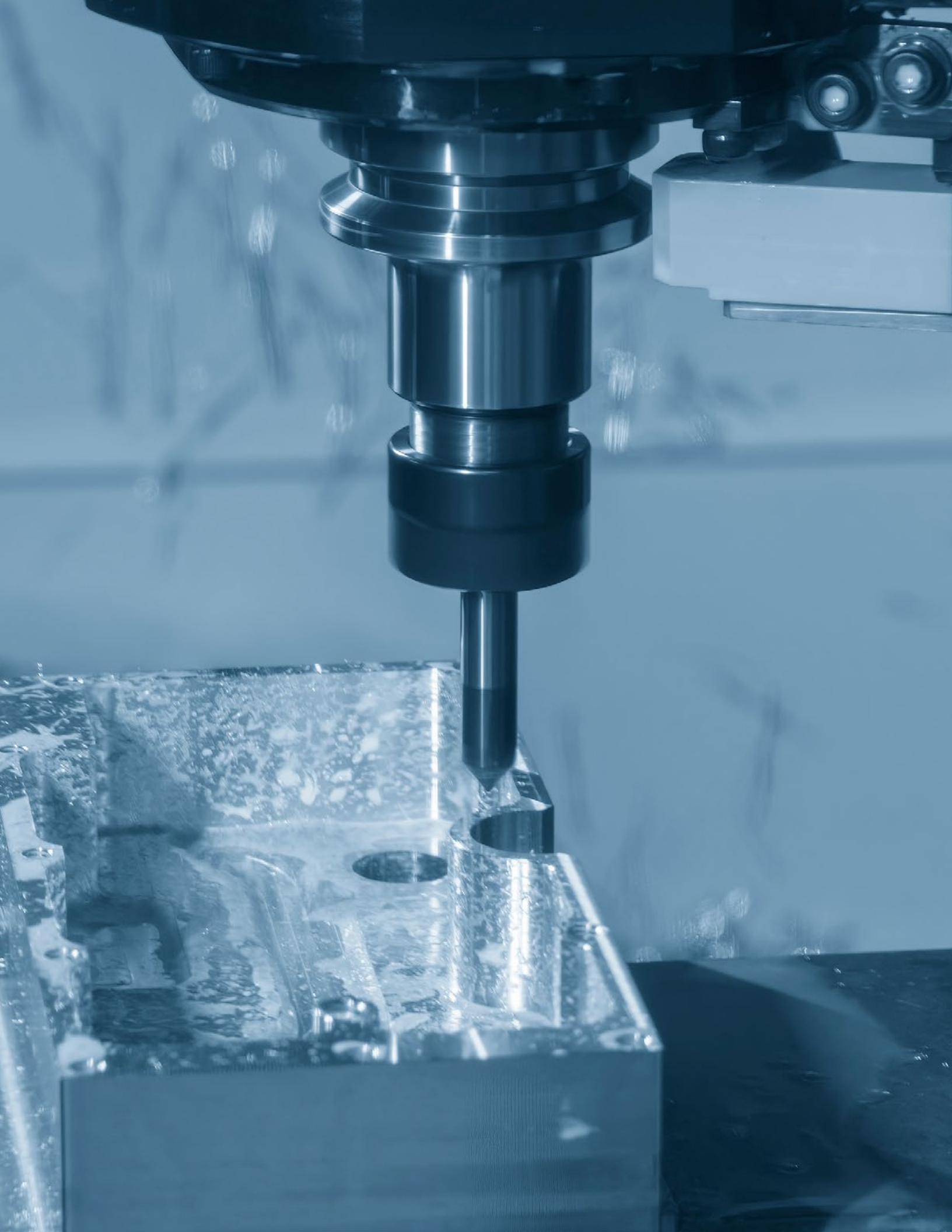
DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	AlTiN	TOOL DESCRIPTION
3/4	3/4	1 1/2	4	SQ.	30055	6VX07501500F000
				0.02	30056	6VX07501500F020
				0.03	30057	6VX07501500F030
				0.09	30058	6VX07501500F090
				0.12	30059	6VX07501500F120
				0.19	30060	6VX07501500F190
3/4	3/4	2	5	SQ.	30061	6VX07502000H000
				0.02	30062	6VX07502000H020
				0.03	30063	6VX07502000H030
				0.09	30064	6VX07502000H090
				0.12	30065	6VX07502000H120
				0.19	30066	6VX07502000H190
3/4	3/4	3	6	SQ.	30067	6VX07503000J000
				0.02	30068	6VX07503000J020
				0.03	30069	6VX07503000J030
				0.09	30070	6VX07503000J090
				0.12	30071	6VX07503000J120
				0.19	30072	6VX07503000J190
1	1	1 1/2	4	SQ.	30073	6VX10001500F000
				0.02	30074	6VX10001500F020
				0.09	30075	6VX10001500F090
				0.12	30076	6VX10001500F120
1	1	3	6	0.19	30077	6VX10001500F190
				SQ.	30078	6VX10003000J000
				0.02	30079	6VX10003000J020
				0.09	30080	6VX10003000J090
				0.12	30081	6VX10003000J120
				0.19	30082	6VX10003000J190

6-FLUTE

TECHNICAL DATA

	MATERIALS	SPEED	FEED (INCH/TOOTH) END MILL DIAMETER							
		VC								
		SFM	1/8"	1/4" 5/8"	5/16" 3/4"	3/8"	1/2"	1"		
STAINLESS STEEL	430F, 301,303, 410, 416, 420F, 430	270-440	0.001	0.002	0.003	0.004	0.004	0.005	0.006	0.009
	301, 302, 303HT, 304, 304L, 305, 420, 15-5, 17-4 17-7	200-302	0.001	0.002	0.003	0.004	0.004	0.005	0.006	0.009
	302B, 304B, 309, 310, 316, 316B, 316L, 316TI, 317, 317L, 321	175-278	0.001	0.002	0.003	0.004	0.004	0.005	0.006	0.009
HIGH TEMP ALLOY	COBALT, NICKEL, IRON BASE	60-100	0.000	0.001	0.008	0.001	0.001	0.002	0.002	0.002
STEELS	LOW CARBON	255-550	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.003
	ALLOY	225-420	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002
	TOOL	150-260	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.002

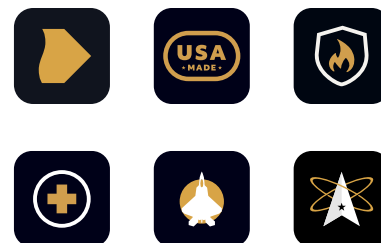
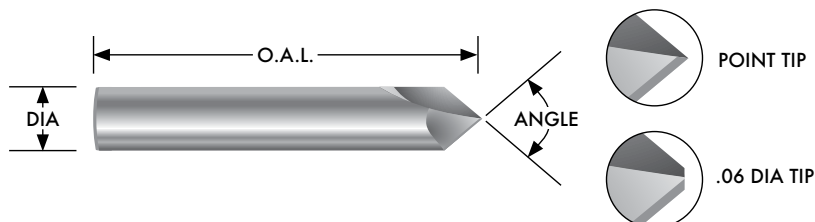
Technical data provided should be considered advisory only as variations may be necessary depending on the particular application.



SECTION 02

CHAMFER CUTTERS

SINGLE END CHAMFER




2-FLUTE

INCL. ANGLE	FLUTES	TIP DIA.	DIA	O.A.L.	AITIN	UNCOATED	TOOL DESCRIPTION
60°	2	point	1/4	2 1/2	40001	41001	2SC0250C060P
			3/8	2 1/2	40002	41002	2SC0375C060P
			1/2	3	40003	41003	2SC0500D060P
82°	2	point	1/8	1 1/2	40004	41004	2SC0125A082P
			1/4	2 1/2	40005	41005	2SC0250C082P
			3/8	2 1/2	40006	41006	2SC0375C082P
			1/2	3	40007	41007	2SC0500D082P
90°	2	point	1/8	1 1/2	40008	41008	2SC0125A090P
			3/16	2	40009	41009	2SC0312B090P
			1/4	2 1/2	40010	41010	2SC0250C090P
			3/8	2 1/2	40011	41011	2SC0375C090P
			1/2	3	40012	41012	2SC0500D090P
			3/4	4	40013	41013	2SC0750F090P
120°	2	point	3/8	2 1/2	40014	41014	2SC0375C120P
			1/2	3	40015	41015	2SC0500D120P



3-FLUTE

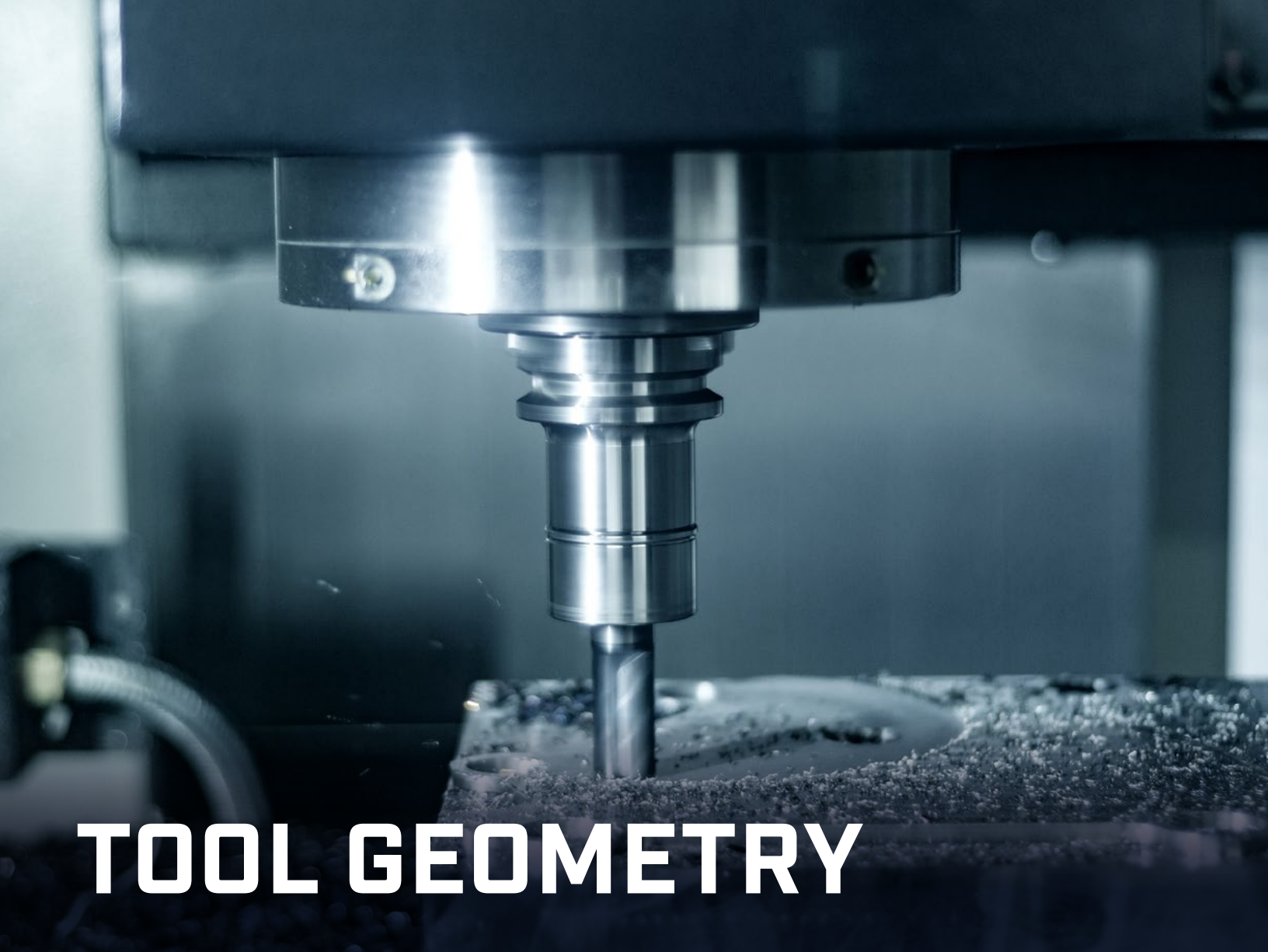
INCL. ANGLE	FLUTES	TIP DIA.	DIA	O.A.L.	AITIN	UNCOATED	TOOL DESCRIPTION
90°	3	.06	1/4	2 1/2	40016	41016	3SF0250C090F
			3/8	2 1/2	40017	41017	3SF0375C090F
			1/2	3	40018	41018	3SF0500D090F

SINGLE END CHAMFER



4-FLUTE

INCL. ANGLE	FLUTES	TIP DIA.	DIA	O.A.L.	AITIN	UNCOATED	TOOL DESCRIPTION
60°	4	.06	¼	2 ½	40019	41019	4SF0250C060F
			⅜	2 ½	40020	41020	4SF0375C060F
			½	3	40021	41021	4SF0500D060F
82°	4	.06	¼	2 ½	40022	41022	4SF0250C082F
			⅜	2 ½	40023	41023	4SF0375C082F
			½	3	40024	41024	4SF0500D082F
90°	4	.06	¼	2 ½	40025	41025	4SF0250C090F
			⅜	2 ½	40026	41026	4SF0375C090F
			½	3	40027	41027	4SF0500D090F
			¾	4	40028	41028	4SF0750F090F
90°	4	point	¼	2 ½	40029	41029	4SF0250C090P
			⅜	2 ½	40030	41030	4SF0375C090P
			½	3	40031	41031	4SF0500D090P
			¾	4	40032	41032	4SF0750F090P
120°	4	.06	⅜	2 ½	40033	41033	4SF0375C120F
			½	3	40034	41034	4SF0500D120F



TOOL GEOMETRY

3-FLUTE

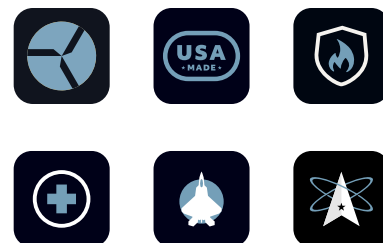
3 Flute 36° Helix- Engineered for high-speed machining of aluminum and non-ferrous metals.
All tools are given a super high polish- leaving you with a superior finish. Tolerance $+.000/-0.0005$



ALUMINEX

BY ALMAR TOOLS

ALUMINEX 3-FLUTE



DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	TOOL #	TOOL DESCRIPTION
1/8"	1/8"	1/4	1 1/2"	SQ.	50001	3AX01250250A000
				0.015	50002	3AX01250250A015
1/8"	1/8"	1/2	1 1/2"	SQ.	50003	3AX01250500A000
				0.015	50004	3AX01250500A015
1/4"	1/4"	1/2	2"	SQ.	50005	3AX02500500B000
				0.015	50006	3AX02500500B015
				0.03	50007	3AX02500500B030
1/4"	1/4"	3/4"	2 1/2"	SQ.	50008	3AX02500750C000
				0.015	50009	3AX02500750C015
				0.03	50010	3AX02500750C030
1/4"	1/4"	1"	2 1/2"	SQ.	50011	3AX02501000C000
				0.015	50012	3AX02501000C015
				0.03	50013	3AX02501000C030
1/4"	1/4"	1 1/2"	3"	SQ.	50014	3AX02501500D000
				0.015	50015	3AX02501500D015
				0.03	50016	3AX02501500D030
5/16"	5/16"	3/4"	2 1/2"	SQ.	50017	3AX03120750C000
				0.015	50018	3AX03120750C015
				0.03	50019	3AX03120750C030
3/8"	3/8"	1/2"	2 1/2"	SQ.	50020	3AX03750500C000
				0.015	50021	3AX03750500C015
				0.03	50022	3AX03750500C030
3/8"	3/8"	1"	2 1/2"	SQ.	50023	3AX03751000C000
				0.015	50024	3AX03751000C015

ALUMINEX 3-FLUTE

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	TOOL #	TOOL DESCRIPTION
3/8"	3/8"	1 1/2"	3"	0.03	50025	3AX03751000C030
				SQ.	50026	3AX03751500D000
				0.015	50027	3AX03751500D015
3/8"	3/8"	2	4	0.03	50028	3AX03751500D030
				SQ.	50029	3AX03752000F000
				0.015	50030	3AX03752000F015
1/2"	1/2"	5/8	2 1/2	0.03	50031	3AX03752000F030
				SQ.	50032	3AX05000625C000
				0.015	50033	3AX05000625C015
1/2"	1/2"	1"	3	0.03	50034	3AX05000625C030
				SQ.	50035	3AX05001000D000
				0.015	50036	3AX05001000D015
1/2"	1/2"	1 1/4"	3"	0.03	50037	3AX05001000D030
				SQ.	50038	3AX05001250D000
				0.015	50039	3AX05001250D015
1/2"	1/2"	1 1/2"	3 1/2"	0.03	50040	3AX05001250D030
				SQ.	50041	3AX05001500E000
				0.015	50042	3AX05001500E015
1/2"	1/2"	2"	4"	0.03	50043	3AX05001500E030
				0.06	50044	3AX05001500E060
				SQ.	50045	3AX05002000F000
5/8"	5/8"	3/4"	3"	0.015	50046	3AX05002000F015
				0.03	50047	3AX05002000F030
				0.06	50048	3AX05002000F060
5/8"	5/8"	3/4"	3"	SQ.	50049	3AX06250750D000
				0.015	50050	3AX06250750D015
				0.03	50051	3AX06250750D030

Custom radius sizes available. Call for availability.

ALUMINEX 3-FLUTE

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	TOOL #	TOOL DESCRIPTION
5/8"	5/8"	1 1/4"	3 1/2"	SQ.	50052	3AX06251250E000
				0.015	50053	3AX06251250E015
				0.03	50054	3AX06251250E030
5/8"	5/8"	1 5/8"	3 1/2"	SQ.	50055	3AX06251625E000
				0.015	50056	3AX06251625E015
				0.03	50057	3AX06251625E030
5/8"	5/8"	2"	5"	SQ.	50058	3AX06252000H000
				0.015	50059	3AX06252000H015
				0.03	50060	3AX06252000H030
3/4"	3/4"	1"	4"	SQ.	50061	3AX07501000F000
				0.015	50062	3AX07501000F015
				0.03	50063	3AX07501000F030
3/4"	3/4"	1 5/8"	4"	SQ.	50064	3AX07501625F000
				0.015	50065	3AX07501625F015
				0.03	50066	3AX07501625F030
				0.06	50067	3AX07501625F060
3/4"	3/4"	2"	5"	SQ.	50068	3AX07502000H000
				0.015	50069	3AX07502000H015
				0.03	50070	3AX07502000H030
				0.06	50071	3AX07502000H060
3/4"	3/4"	3"	6"	SQ.	50072	3AX07503000J000
				0.015	50073	3AX07503000J015
				0.03	50074	3AX07503000J030
				0.06	50075	3AX07503000J060
1	1	1 1/2	4	SQ.	50076	3AX10001500F000
				0.015	50077	3AX10001500F015
				0.03	50078	3AX10001500F030
				0.09	50079	3AX10001500F090

3-FLUTE

ALUMINEX 3-FLUTE

DIAMETER	SHANK	L.O.C.	O.A.L.	RADIUS	TOOL #	TOOL DESCRIPTION
1"	1"	2 1/2"	5"	SQ.	50080	3AX10002500H000
				0.015	50081	3AX10002500H015
				0.06	50082	3AX10002500H060
				0.12	50083	3AX10002500H120
1	1	3 1/2"	6	SQ.	50084	3AX10003500J000
				0.015	50085	3AX10003500J015
				0.06	50086	3AX10003500J060
				0.12	50087	3AX10003500J120

TECHNICAL DATA

NON-FERROUS - ALUMINUM	END MILL DIAMETER								
		1/8*	1/4*	5/16	3/8	1/2	5/8	3/4	1
	VC - SFM	294	589	736	785	1007	1145	1315	1320
	FZ - IN/ TOOTH	0.001	0.003	0.004	0.005	0.006	0.006	0.006	0.007

Technical data provided should be considered advisory only as variations may be necessary depending on the particular application.

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