

# ULTIMATE PERFORMANCE

Solid Carbide End Mill For Roughing And Slotting In Aluminum



INTRO

MILLING

SPECIALTY

HOLEMAKING

THREADING

INSERTS



FEATURES/DESCRIPTION	APPLICATION	FEATURES
<p><b>AlumiGator Slotting And Roughing Tool</b></p> <ul style="list-style-type: none"> <li>Premium sub-micron grade carbide substrate for wear resistance</li> <li>Ultra-high speed roughing in Aluminum</li> <li>Roughing and slotting at speeds in excess of 200 IPM</li> <li>Ultra-free cutting action</li> <li>Staggered chip breakers to rough and finish</li> </ul>		

STEEL			STAINLESS		CAST IRON		NON-FERROUS		HSSA		HARDENED STEEL	
P1	P2	P3	M1	M2	K1	K2	N1	N2	S1	S2	H1	H2
							●	●				

● Best ○ Good

**Series 1015**    **AST | 3FL | Chip Breaker | Square and Radius | Slotting Tool**

Diameter(D <sub>1</sub> )	LOC(L <sub>1</sub> )	OAL(L)	Shank(D)	Radius(R)	EDP
3/16	5/8	2	3/16	-	120650
3/16	5/8	2	3/16	0.015	125984
3/16	5/8	2	3/16	0.030	120652
1/4	3/4	2-1/2	1/4	-	120653
1/4	3/4	2-1/2	1/4	0.015	125985
1/4	3/4	2-1/2	1/4	0.030	124047
1/4	1-1/8	3	1/4	-	125625
1/4	1-1/8	3	1/4	0.015	125986
1/4	1-1/8	3	1/4	0.030	125987
5/16	3/4	2-1/2	5/16	-	120656
5/16	3/4	2-1/2	5/16	0.015	125988
5/16	3/4	2-1/2	5/16	0.030	125960
5/16	1-1/8	3	5/16	-	125626
5/16	1-1/8	3	5/16	0.015	125989
5/16	1-1/8	3	5/16	0.030	125990
3/8	1	2-1/2	3/8	-	120659
3/8	1	2-1/2	3/8	0.015	120660
3/8	1	2-1/2	3/8	0.030	121652
3/8	1	2-1/2	3/8	0.060	120661
3/8	1-1/2	4	3/8	-	125627
3/8	1-1/2	4	3/8	0.015	125635
3/8	1-1/2	4	3/8	0.030	125991
3/8	1-1/2	4	3/8	0.060	125636
1/2	1-1/4	3	1/2	-	120662
1/2	1-1/4	3	1/2	0.015	120663
1/2	1-1/4	3	1/2	0.030	124010
1/2	1-1/4	3	1/2	0.045	125958
1/2	1-1/4	3	1/2	0.060	124078
1/2	1-1/4	3	1/2	0.090	125959
1/2	2-1/4	4	1/2	-	125628
1/2	2-1/4	4	1/2	0.015	125637
1/2	2-1/4	4	1/2	0.030	125992
1/2	2-1/4	4	1/2	0.060	125993
1/2	2-1/4	4	1/2	0.090	125994
5/8	1-5/8	3-1/2	5/8	-	120665
5/8	1-5/8	3-1/2	5/8	0.015	125995
5/8	1-5/8	3-1/2	5/8	0.030	125961
5/8	1-5/8	3-1/2	5/8	0.045	125962
5/8	1-5/8	3-1/2	5/8	0.060	125963
5/8	1-5/8	3-1/2	5/8	0.090	125964
5/8	2-1/2	5	5/8	-	125629
5/8	2-1/2	5	5/8	0.015	125996
5/8	2-1/2	5	5/8	0.030	125997
5/8	2-1/2	5	5/8	0.060	125998
5/8	2-1/2	5	5/8	0.090	125999

\*bold numbers are EDPs for ordering

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**Series 1015** | AST | 3FL | Chip Breaker | Square and Radius | Slotting Tool

Diameter(D <sub>1</sub> )	LOC(L <sub>1</sub> )	OAL(L)	Shank(D)	Radius(R)	EDP
3/4	1-5/8	4	3/4	-	<b>120668</b>
3/4	1-5/8	4	3/4	0.030	<b>120669</b>
3/4	1-5/8	4	3/4	0.060	<b>123610</b>
3/4	1-5/8	4	3/4	0.090	<b>123397</b>
3/4	1-5/8	4	3/4	0.120	<b>120670</b>
3/4	2-1/2	5	3/4	-	<b>125630</b>
3/4	2-1/2	5	3/4	0.030	<b>125641</b>
3/4	2-1/2	5	3/4	0.060	<b>125642</b>
3/4	2-1/2	5	3/4	0.090	<b>125643</b>
3/4	2-1/2	5	3/4	0.120	<b>125644</b>

\*bold numbers are EDPs for ordering

### Popular Custom Milling Options

- Proprietary GWS tool coatings
- Longer lengths
- Enhanced geometry
- Special shank modifications like **SAFE-LOCK**®

**CUSTOM  
COMES  
STANDARD**



**Series 1010**

ART | 3 FL | Radius | Chip Breaker | Alumigator

Material	Axial ↓	Radial →	3/16		1/4		5/16		3/8		1/2		5/8		3/4	
			RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM
N Aluminum, Brass, Copper 6061, 7050, 7075	0.5 X D	0.7 X D	12000	169	12000	227	12000	283	12000	341	12000	454	12000	568	12000	680
	1 X D	.6 X D	12000	155	12000	208	12000	260	12000	312	12000	416	12000	520	12000	624
	2 X D	.4 X D	12000	141	12000	189	12000	236	12000	284	12000	378	12000	473	12000	567
	0.5 X D	0.7 X D	12000	140	12000	188	12000	235	12000	282	12000	376	12000	470	12000	564
	1 X D	.6 X D	12000	133	12000	179	12000	223	12000	268	12000	357	12000	447	12000	536
	2 X D	.4 X D	12000	127	12000	170	12000	212	12000	256	12000	340	12000	426	12000	510

**Series 1015**

AST | 3 FL | Square & Radius | Chip Breaker | Alumigator

Material	Axial ↓	Radial →	3/16		1/4		5/16		3/8		1/2		5/8		3/4	
			RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM
N Aluminum, Brass, Copper 6061, 7050, 7075	1 X D	1.0 X D	12000	98	12000	132	12000	165	12000	198	12000	263	12000	330	12000	395
	2 X D	1.0 X D	12000	74	12000	99	12000	124	12000	149	12000	198	12000	248	12000	297
	2 X D	.4 X D	12000	141	12000	189	12000	236	12000	284	12000	378	12000	473	12000	567
	1 X D	1.0 X D	12000	89	12000	119	12000	148	12000	178	12000	237	12000	297	12000	356
	2 X D	1.0 X D	12000	67	12000	89	12000	112	12000	134	12000	178	12000	223	12000	267
	2 X D	.4 X D	12000	127	12000	170	12000	212	12000	256	12000	340	12000	426	12000	510

**Series 1020**

AFT | 3 FL | Radius | Finisher | Alumigator

Material	Axial ↓	Radial →	3/16		1/4		5/16		3/8		1/2		5/8		3/4	
			RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM	RPM	IPM
N Aluminum, Brass, Copper 6061, 7050, 7075	2 X D	.05 X D	12000	101	12000	135	12000	168	12000	203	12000	270	12000	338	12000	405
	.05 X D	0.65 X D	12000	111	12000	149	12000	185	12000	223	12000	297	12000	372	12000	446
	2 X D	.05 X D	12000	91	12000	122	12000	151	12000	183	12000	243	12000	304	12000	365
	.05 X D	0.65 X D	12000	100	12000	134	12000	166	12000	201	12000	267	12000	335	12000	401