

ULTIMATE PERFORMANCE

Solid Carbide End Mill For Finishing In Aluminum



INTRO

MILLING

SPECIALTY

HOLEMAKING

THREADING

INSERTS



FEATURES/DESCRIPTION	APPLICATION	FEATURES										
<p>Alumigator Finisher Tool</p> <ul style="list-style-type: none"> Premium sub-micron grade carbide substrate for wear resistance High speed finishing of Aluminum Polished flutes and wiper flats produce mirror-like finishes Ideal for floor finishing 		<table border="1"> <tr> <td>CARBIDE</td> <td>37°</td> </tr> <tr> <td>3FL</td> <td>RAD</td> </tr> <tr> <td>SQ</td> <td>P183</td> </tr> <tr> <td>h6</td> <td>Bright</td> </tr> <tr> <td>NF1</td> <td></td> </tr> </table>	CARBIDE	37°	3FL	RAD	SQ	P183	h6	Bright	NF1	
CARBIDE	37°											
3FL	RAD											
SQ	P183											
h6	Bright											
NF1												

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 1020 **AFT | 3FL | Square and Radius | Finishing Tool**

Diameter(D ₁)	LOC(L ₁)	OAL(L)	Shank(D)	Radius(R)	EDP
3/16	5/8	2	3/16	-	120671
3/16	5/8	2	3/16	0.010	120672
3/16	5/8	2	3/16	0.030	120673
1/4	3/4	2-1/2	1/4	-	120674
1/4	3/4	2-1/2	1/4	0.010	120675
1/4	3/4	2-1/2	1/4	0.030	123922
1/4	3/4	2-1/2	1/4	0.040	120676
1/4	1-1/8	3	1/4	-	125645
1/4	1-1/8	3	1/4	0.010	125651
1/4	1-1/8	3	1/4	0.040	125652
5/16	3/4	2-1/2	5/16	-	120677
5/16	3/4	2-1/2	5/16	0.010	120678
5/16	3/4	2-1/2	5/16	0.030	125952
5/16	3/4	2-1/2	5/16	0.050	120679
5/16	1-1/8	3	5/16	-	125646
5/16	1-1/8	3	5/16	0.010	125653
5/16	1-1/8	3	5/16	0.050	125654
3/8	1	2-1/2	3/8	-	120680
3/8	1	2-1/2	3/8	0.015	120681
3/8	1	2-1/2	3/8	0.030	123921
3/8	1	2-1/2	3/8	0.060	120682
3/8	1-1/2	4	3/8	-	125647
3/8	1-1/2	4	3/8	0.015	125655
3/8	1-1/2	4	3/8	0.060	125656
1/2	1-1/4	3	1/2	-	120683
1/2	1-1/4	3	1/2	0.015	120684
1/2	1-1/4	3	1/2	0.030	123624
1/2	1-1/4	3	1/2	0.045	125950
1/2	1-1/4	3	1/2	0.060	124804
1/2	1-1/4	3	1/2	0.080	120685
1/2	1-1/4	3	1/2	0.090	125951
1/2	2-1/4	4	1/2	-	125648
1/2	2-1/4	4	1/2	0.015	125657
1/2	2-1/4	4	1/2	0.080	125658
5/8	1-5/8	3-1/2	5/8	-	120686
5/8	1-5/8	3-1/2	5/8	0.020	120687
5/8	1-5/8	3-1/2	5/8	0.030	125953
5/8	1-5/8	3-1/2	5/8	0.060	125954
5/8	1-5/8	3-1/2	5/8	0.090	125955
5/8	1-5/8	3-1/2	5/8	0.100	120688
5/8	2-1/2	5	5/8	-	125649
5/8	2-1/2	5	5/8	0.020	125659
5/8	2-1/2	5	5/8	0.100	125660
3/4	1-5/8	4	3/4	-	120689
3/4	1-5/8	4	3/4	0.030	120690

*bold numbers are EDPs for ordering

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Diameter(D ₁)	LOC(L ₁)	OAL(L)	Shank(D)	Radius(R)	EDP
3/4	1-5/8	4	3/4	0.060	123896
3/4	1-5/8	4	3/4	0.090	124422
3/4	1-5/8	4	3/4	0.120	120691
3/4	2-1/2	5	3/4	-	125650
3/4	2-1/2	5	3/4	0.030	125661
3/4	2-1/2	5	3/4	0.120	125662

*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