

# ULTIMATE PERFORMANCE

## Solid Carbide End Mills For Non-Ferrous Materials



INTRO

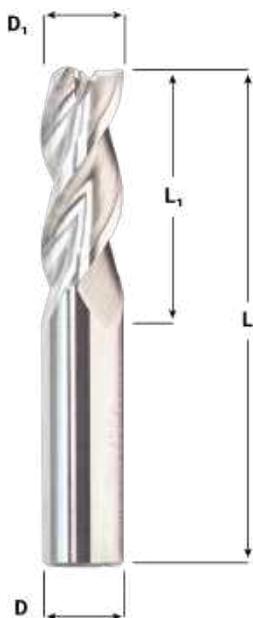
MILLING

SPECIALTY

HOLEMAKING

THREADING

INSERTS



FEATURES/DESCRIPTION				APPLICATION		FEATURES			
<p><b>Roughing And Finishing</b></p> <ul style="list-style-type: none"> <li>Premium sub-micron grade carbide substrate for wear resistance</li> <li>Conventional or high speed machining of Aluminum</li> <li>Polished flutes resist built-up edge</li> <li>Built-in wiper flat for improved finish</li> </ul>						CARBIDE		37°	
						3FL		SQ	
h6		P195		NF1		Bright			

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

● Best ○ Good

**Series 1025**    **GWA3 | 3FL | Square**

Diameter(D <sub>1</sub> )	LOC(L <sub>1</sub> )	OAL(L)	Shank(D)	Bright	NF1
3/32	5/16	1-1/2	1/8	102537	103123
1/8	1/4	1-1/2	1/8	101035	101037
1/8	1/2	1-1/2	1/8	100942	105059
5/32	1/2	2	3/16	106407	108028
3/16	5/16	2	3/16	101039	101040
3/16	5/8	2	3/16	100947	100952
1/4	3/8	2-1/2	1/4	101044	101045
1/4	3/4	2-1/2	1/4	100955	103126
1/4	1-1/8	3	1/4	100994	100996
5/16	7/16	2-1/2	5/16	101046	101048
5/16	3/4	2-1/2	5/16	100960	100963
5/16	1-1/8	3	5/16	100997	100998
3/8	1/2	2-1/2	3/8	101049	101053
3/8	1	2-1/2	3/8	100964	100971
3/8	1-1/2	4	3/8	100999	101002
1/2	5/8	3	1/2	101054	101056
1/2	1-1/4	3	1/2	100972	104458
1/2	2-1/4	4	1/2	101003	101011
5/8	3/4	3-1/2	5/8	101057	101058
5/8	1-5/8	3-1/2	5/8	100986	100987
5/8	2-1/2	5	5/8	101012	101013
3/4	1	4	3/4	101061	101062
3/4	1-5/8	4	3/4	100988	105058
3/4	2-1/2	5	3/4	101014	101018
1	1-1/4	4	1	101063	101065
1	2	4	1	100992	100993
1	2-1/2	6	1	101020	101022

\*bold numbers are EDPs for ordering

**Series 2010, 2012, 2014, 2015**  
250 | 2 FL | SQ, CR, BN, RN | Performance-AL

Material	Axial ↓	Radial →	SFM	1/8		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	
<b>N</b>	Aluminum, Brass, Copper 6061, 7050, 7075	.5 x D	1 x D	600	18336	44	9168	48	7334	53	6112	53	4584	55	3667	53	3056	53
		1.25 x D	.3 x D	720	22003	66	11002	70	8801	77	7334	77	5501	80	4401	77	3667	77
		1.5 x D	.1 x D	1200	36672	147	18336	150	14669	154	12224	154	9168	162	7334	155	6112	155
	High Silicon Aluminum 4% - 13% A242, A319, A356, A390	.5 x D	1 x D	600	18336	37	9168	40	7334	44	6112	44	4584	46	3667	44	3056	44
		1.25 x D	.3 x D	720	22003	53	11002	56	8801	63	7334	63	5501	67	4401	64	3667	64
		1.5 x D	.1 x D	1200	36672	117	18336	121	14669	132	12224	132	9168	139	7334	133	6112	133

**Series 1025, 1026, 2030, 2031, 2047, 2032**  
350 | 3FL | SQ, CR, BN, RN | Performance-AL | GWA

Material	Axial ↓	Radial →	SFM	1/8		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	
<b>N</b>	Aluminum, Brass, Copper 6061, 7050, 7075	.5 x D	1 x D	600	18336	44	9168	48	7334	53	6112	53	4584	55	3667	53	3056	53
		1.25 x D	.3 x D	720	22003	66	11002	70	8801	77	7334	77	5501	80	4401	77	3667	77
		1.5 x D	.1 x D	1200	36672	147	18336	150	14669	154	12224	154	9168	162	7334	155	6112	155
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		1.5 x D	.1 x D	1200	36672	117	18336	121	14669	132	12224	132	9168	139	7334	133	6112	133