

GENERAL PURPOSE

Solid Carbide End Mills For Ferrous And Non-Ferrous Materials



INTRO

MILLING

SPECIALTY

HOLEMAKING

THREADING

INSERTS



FEATURES/DESCRIPTION	APPLICATION	FEATURES																																							
3-Flute Square End Mills • Universal application • Sub-micron grade carbide substrate for wear resistance • Multiple coating options • Diameter Tol.: +0/-0.002" • Shank Tol.: +0/-0.0005"	    	CARBIDE 3FL SQ 30° P199 Bright TiN TiCN AlTiN																																							
<table><tr><td colspan="3">STEEL</td><td colspan="2">STAINLESS</td><td colspan="2">CAST IRON</td><td colspan="2">NON-FERROUS</td><td colspan="2">HSSA</td><td colspan="2">HARDENED STEEL</td></tr><tr><td>P1</td><td>P2</td><td>P3</td><td>M1</td><td>M2</td><td>K1</td><td>K2</td><td>N1</td><td>N2</td><td>S1</td><td>S2</td><td>H1</td><td>H2</td></tr><tr><td>○</td><td>○</td><td>○</td><td></td><td></td><td>○</td><td>○</td><td>○</td><td>○</td><td></td><td></td><td>○</td><td></td></tr></table>			STEEL			STAINLESS		CAST IRON		NON-FERROUS		HSSA		HARDENED STEEL		P1	P2	P3	M1	M2	K1	K2	N1	N2	S1	S2	H1	H2	○	○	○			○	○	○	○			○	
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 205		3FL Regular Length Square					
Diameter(D ₁)	LOC(L ₁)	OAL(L)	Shank(D)	Bright	TiN	TiCN	AlTiN
1/32	1/8	1-1/2	1/8	205-001001	205-001002	205-001003	205-001004
3/64	1/8	1-1/2	1/8	205-001020	205-001021	205-001022	205-001023
1/16	1/4	1-1/2	1/8	205-001030	205-001031	205-001032	205-001033
5/64	1/4	1-1/2	1/8	205-001040	205-001041	205-001042	205-001043
3/32	3/8	1-1/2	1/8	205-001050	205-001051	205-001052	205-001053
7/64	3/8	1-1/2	1/8	205-001060	205-001061	205-001062	205-001063
1/8	1/2	1-1/2	1/8	205-001070	205-001071	205-001072	205-001073
5/32	9/16	2	3/16	205-001090	205-001091	205-001092	205-001093
11/64	5/16	2	3/16	205-001100	205-001101	205-001102	205-001103
3/16	5/8	2	3/16	205-001110	205-001111	205-001112	205-001113
13/64	3/8	2-1/2	1/4	-	-	205-001122	205-001123
7/32	5/8	2-1/2	1/4	205-001130	205-001131	205-001132	205-001133
15/64	3/4	2-1/2	1/4	205-001135	205-001136	205-001137	205-001138
1/4	3/4	2-1/2	1/4	205-001140	205-001143	205-021140	205-031140
17/64	3/4	2-1/2	5/16	205-001145	205-001146	205-001147	205-001148
9/32	3/4	2-1/2	5/16	205-001150	205-001151	205-001152	205-001153
19/64	13/16	2-1/2	5/16	205-001155	205-001156	205-001157	205-001158
5/16	13/16	2-1/2	5/16	205-001160	205-001161	205-001162	205-001163
21/64	1	2-1/2	3/8	205-001165	205-001166	205-001167	205-001168
11/32	1	2-1/2	3/8	205-001170	205-001171	205-001172	205-001173
23/64	1	2-1/2	3/8	205-001175	205-001176	205-001177	205-001178
3/8	1	2-1/2	3/8	205-001180	205-001184	205-001185	205-001186
7/16	1	2-3/4	7/16	205-001200	205-001201	205-001202	205-001203
1/2	1	3	1/2	205-001210	205-001214	205-001215	205-001216
9/16	1-1/4	3-1/2	9/16	205-001220	-	-	205-001223
5/8	1-1/4	3-1/2	5/8	205-001230	205-001231	205-001232	205-001233
11/16	1-1/2	4	3/4	205-001240	205-001241	205-001242	205-001243
3/4	1-1/2	4	3/4	205-001250	205-001251	205-001252	205-001253
7/8	1-1/2	4	7/8	205-001260	205-001261	205-001262	205-001263
1	1-1/2	4	1	205-001270	205-001271	205-001272	205-001273

*bold numbers are EDPs for ordering