

GENERAL PURPOSE

Solid Carbide End Mills For Ferrous And Non-Ferrous Materials



INTRO

MILLING

SPECIALTY

HOLEMAKING

THREADING

INSERTS



2-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"



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 202 2FL | Multi Length | Square

Diameter(D ₁)	LOC(L ₁)	OAL(L)	Shank(D)	Bright	TiN	TiCN	AlTiN
1/64	3/64	1-1/2	1/8	204-001000	204-000995	-	204-000997
1/32	1/16	1-1/2	1/8	202-001001	202-001002	202-001003	202-001004
1/32	1/8	1-1/2	1/8	204-001001	204-001002	204-001003	204-001005
3/64	3/32	1-1/2	1/8	202-001010	202-001011	202-001012	202-001013
3/64	1/8	1-1/2	1/8	204-001010	204-001011	204-021010	204-001013
1/16	1/8	1-1/2	1/8	202-001020	202-001021	202-001022	202-001023
1/16	1/4	1-1/2	1/8	204-001020	204-001021	204-001022	204-001023
5/64	5/32	1-1/2	1/8	202-001030	202-001031	202-001032	202-001033
5/64	1/4	1-1/2	1/8	204-001030	204-001032	204-001033	204-001036
3/32	3/16	1-1/2	1/8	202-001040	202-001041	202-001042	202-001043
3/32	3/8	1-1/2	1/8	204-001040	204-001041	204-001042	204-001043
7/64	7/32	1-1/2	1/8	202-001050	202-001051	202-001052	202-001053
7/64	3/8	1-1/2	1/8	204-001050	204-001052	204-021050	204-001055
1/8	1/4	1-1/2	1/8	202-001060	202-001061	202-001062	202-001063
1/8	1/2	1-1/2	1/8	204-001060	204-001061	204-001062	204-001063
1/8	3/4	2-1/4	1/8	213-001001	213-001002	213-001003	213-001004
1/8	1	3	1/8	216-001001	216-001002	216-001003	216-001004
9/64	9/32	2	3/16	202-001070	202-001071	202-001072	202-001073
9/64	9/16	2	3/16	204-001070	204-001072	204-021070	204-001074
5/32	5/16	2	3/16	202-001080	202-001081	202-001082	202-001083
5/32	9/16	2	3/16	204-001080	204-001081	204-001083	204-001084
5/32	3/4	2-1/2	3/16	213-001005	213-001006	213-001007	213-001008
5/32	1-1/8	3	3/16	216-001005	216-001006	216-001007	216-001008
11/64	5/16	2	3/16	202-001090	202-001091	202-001092	202-001093
11/64	9/16	2	3/16	204-001090	204-001092	204-021090	204-001094
3/16	3/8	2	3/16	202-001100	202-001101	202-001102	202-001103
3/16	5/8	2	3/16	204-001100	204-001101	204-001103	204-001104
3/16	3/4	2-1/2	3/16	213-001012	213-001013	213-001016	213-001014
3/16	1-1/8	3	3/16	216-001010	216-001011	216-001012	216-001013
13/64	3/8	2	1/4	202-001110	202-001111	202-001112	202-001113
13/64	5/8	2-1/2	1/4	204-001110	204-001112	204-021110	204-001114
7/32	7/16	2	1/4	202-001120	202-001121	202-001122	202-001123
7/32	5/8	2-1/2	1/4	204-001120	204-001121	204-001123	204-001124
15/64	7/16	2	1/4	202-001125	202-001126	202-001127	202-001128
15/64	3/4	2-1/2	1/4	204-001125	204-001127	204-021125	204-001129
1/4	1/2	2	1/4	202-001130	202-001131	202-001132	202-001133
1/4	3/4	2-1/2	1/4	204-001130	204-001131	204-001133	204-001134
1/4	1-1/8	3	1/4	213-001020	213-001021	213-001022	213-001023
1/4	1-1/2	4	1/4	216-001020	216-001021	216-001022	216-001023
1/4	1-1/2	6	1/4	216-001025	216-001027	216-001028	216-001029
17/64	3/4	2-1/2	5/16	204-001135	204-001137	204-021181	204-001139
9/32	1/2	2	5/16	202-001140	202-001141	202-001142	202-001143
9/32	3/4	2-1/2	5/16	204-001140	204-001141	204-001143	204-001144
19/64	13/16	2-1/2	5/16	204-001145	204-001148	204-021145	204-031145
5/16	1/2	2	5/16	202-001150	202-001151	202-001152	202-001153

*bold numbers are EDPs for ordering

GENERAL PURPOSE

Solid Carbide End Mills For Ferrous And Non-Ferrous Materials



Series 202

2FL | Multi Length | Square

Diameter(D ₁)	LOC(L ₁)	OAL(L)	Shank(D)	Bright	TiN	TiCN	AlTiN
5/16	13/16	2-1/2	5/16	204-001150	204-001151	204-001155	204-001153
5/16	1-1/8	3	5/16	213-001030	213-001031	213-001032	213-001033
5/16	1-1/2	6	5/16	216-001034	216-001035	216-001036	216-001034A
5/16	1-5/8	4	5/16	216-001030	216-001031	216-001032	216-001033
21/64	1	2-1/2	3/8	204-001154	204-001157	204-021154	204-031154
11/32	1	2-1/2	3/8	204-001160	204-001162	204-001163	204-001164
23/64	1	2-1/2	3/8	204-001165	204-001166	204-021165	204-031165
3/8	5/8	2	3/8	202-001170	202-001171	202-001172	202-001173
3/8	1	2-1/2	3/8	204-001170	204-001171	204-001179	204-001173
3/8	1-1/8	3	3/8	213-001040	213-001009	213-001015	213-001010
3/8	1-1/2	6	3/8	216-001045	216-001046	216-001047	216-001048
3/8	1-3/4	4	3/8	216-001040	216-001041	216-001042	216-001043
25/64	1	2-3/4	7/16	204-001175	204-001178	204-021175	204-031175
13/32	1	2-3/4	7/16	204-001180	204-001182	204-021180	204-001184
27/64	1	2-3/4	7/16	204-001185	204-001187	204-021185	204-031185
7/16	5/8	2-1/2	7/16	202-001190	202-001191	202-001192	202-001193
7/16	1	2-3/4	7/16	204-001190	204-001191	204-001189	204-001198
7/16	2	4	7/16	213-001050	213-001051	213-001053	213-001052
7/16	3	6	7/16	216-001050	216-001051	216-001052	216-001053
29/64	1	3	1/2	204-001192	204-001194	204-021192	204-031192
15/32	1	3	1/2	204-001193	204-001197	204-021193	204-001196
31/64	1	3	1/2	204-001195	204-001199	204-021195	204-031195
1/2	5/8	2-1/2	1/2	202-001200	202-001201	202-001202	202-001203
1/2	1	3	1/2	204-001200	204-001201	204-001202	204-001205
1/2	1-1/4	3	1/2	204-001200A	204-001200AA	204-001200C	204-001205A
1/2	1-1/2	4	1/2	213-001059	213-001056	213-001062	213-001063
1/2	1-1/2	6	1/2	216-001053A	216-001057	216-001058	216-001059
1/2	2	4	1/2	213-001060	213-001061	213-001065	213-001064
1/2	3	6	1/2	216-001054	216-001061	216-001062	216-001063
33/64	1-1/4	3-1/2	9/16	204-001206	204-001206A	204-001206C	204-001206B
17/32	1-1/4	3-1/2	9/16	204-001207	204-001207A	204-001207C	204-001207B
9/16	1-1/4	3-1/2	9/16	204-001210	204-001209	204-001211	204-001212
5/8	3/4	3	5/8	202-001220	202-001221	202-001222	202-001223
5/8	1-1/4	3-1/2	5/8	204-001220	204-001222	204-001225	204-001224
5/8	1-1/2	6	5/8	216-001074	216-001076	216-001075	216-001074A
5/8	2-1/4	5	5/8	213-001070	213-001071	213-001072	213-001073
5/8	3	6	5/8	216-001070	216-001071	216-001072	216-001073
11/16	1-1/2	4	3/4	204-001230	204-001231	204-001233	204-001232
3/4	1	3	3/4	202-001240	202-001241	202-001242	202-001243
3/4	1-1/2	4	3/4	204-001240	204-001241	204-001243	204-001242
3/4	1-1/2	6	3/4	216-001084	216-001085	216-001086	216-001084A
3/4	2-1/4	5	3/4	213-001080	213-001081	213-001082	213-001083
3/4	3	6	3/4	216-001080	216-001081	216-001082	216-001083
3/4	4	7	3/4	216-001087	216-001087A	216-001087C	216-001087B
7/8	1-1/2	4	7/8	204-001250	204-001251	204-001252	204-001253
1	1-1/2	4	1	204-001260	204-001261	204-001262	204-001263
1	1-1/2	6	1	216-001095	216-001097	216-001098	216-001096
1	2-1/4	5	1	213-001090	213-001091	213-001092	213-001093
1	3	6	1	216-001090	216-001091	216-001092	216-001093
1	4	7	1	216-001099	216-001099A	216-001099C	216-001099B

*bold numbers are EDPs for ordering

INTRO

MILLING

SPECIALTY

HOLEMAKING

THREADING

INSERTS

