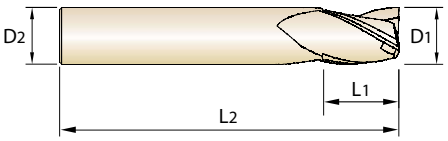
X-Coated G9I10 SERIES
Uncoated E5I10 SERIES

X-COATED & UNCOATED SOLID CARBIDE END MILLS
3 FLUTE SQUARE REGULAR LENGTH

▶ Suitable for cutting high alloy steels, steel casting, chill casting, malleable cast iron, CrNi-steels, brass, copper, aluminum with a high percentage of silicon and abrasive plastics.



CARBIDE | 3 | 30° | PLAIN

P.138-139

Unit : inch

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length
X-Coated	Uncoated	D1	D2	L1	L2
G9I10002N	E5I10002	1/32	1/8	1/8	1-1/2
G9I10003N	E5I10003	3/64	1/8	1/8	1-1/2
G9I10004N	E5I10004	1/16	1/8	1/4	1-1/2
G9I10005N	E5I10005	5/64	1/8	1/4	1-1/2
G9I10006N	E5I10006	3/32	1/8	3/8	1-1/2
G9I10007N	E5I10007	7/64	1/8	3/8	1-1/2
G9I10008N	E5I10008	1/8	1/8	1/2	1-1/2
G9I10010N	E5I10010	5/32	3/16	9/16	2
G9I10011N	E5I10011	11/64	3/16	5/16	2
G9I10012N	E5I10012	3/16	3/16	5/8	2
G9I10013N	E5I10013	13/64	1/4	5/8	2-1/2
G9I10014N	E5I10014	7/32	1/4	5/8	2-1/2
G9I10015N	E5I10015	15/64	1/4	3/4	2-1/2
G9I10016N	E5I10016	1/4	1/4	3/4	2-1/2
G9I10017N	E5I10017	17/64	5/16	3/4	2-1/2
G9I10018N	E5I10018	9/32	5/16	3/4	2-1/2
G9I10019N	E5I10019	19/64	5/16	13/16	2-1/2
G9I10020N	E5I10020	5/16	5/16	13/16	2-1/2
G9I10021N	E5I10021	21/64	3/8	1	2-1/2
G9I10022N	E5I10022	11/32	3/8	1	2-1/2
G9I10023N	E5I10023	23/64	3/8	1	2-1/2
G9I10024N	E5I10024	3/8	3/8	7/8	2-1/2
G9I10901N	E5I10901	3/8	3/8	1	2-1/2
G9I10025N	E5I10025	25/64	7/16	1	2-3/4
G9I10026N	E5I10026	13/32	7/16	1	2-3/4
G9I10028N	E5I10028	7/16	7/16	1	2-3/4
G9I10032N	E5I10032	1/2	1/2	1	3
G9I10036N	E5I10036	9/16	9/16	1-1/4	3-1/2
G9I10040N	E5I10040	5/8	5/8	1-1/4	3-1/2
G9I10044N	E5I10044	11/16	3/4	1-1/2	4
G9I10048N	E5I10048	3/4	3/4	1-1/2	4
G9I10056N	E5I10056	7/8	7/8	1-1/2	4
G9I10064N	E5I10064	1	1	1-1/2	4

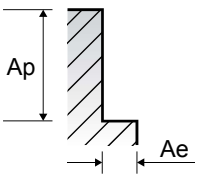
Mill Dia. Tolerance (inch)	Shank Dia. Tolerance
+0/-.0012	+0/-.0005

E5H82, E5I10

SQUARE / 3 FLUTE / SIDE CUTTING / INCH / **Uncoated**

ISO	VDI 3323	Material Description	Ae	Ap	Parameter	Diameter (Ø)										
						1/8	5/32	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	1
P	1-2	Non-alloy steel	0.1D	1.5D	SFM	110	110	110	110	110	110	110	110	110	110	110
					IPT	.0006	.0009	.0011	.0013	.0017	.0022	.0024	.0027	.0038	.0045	.0059
					RPM	3360	2690	2240	1680	1340	1120	960	840	670	560	420
					IPM	6	7	7	7	7	7	7	7	8	8	7
	3-4		0.1D	1.5D	SFM	95	95	95	95	95	95	95	95	95	95	95
					IPT	.0007	.0009	.0011	.0013	.0018	.0023	.0025	.0027	.0038	.0045	.0057
					RPM	2900	2320	1940	1450	1160	970	830	730	580	480	360
					IPM	6	6	7	6	6	7	6	6	7	6	6
	5		0.1D	1.5D	SFM	80	80	80	80	80	80	80	80	80	80	80
					IPT	.0006	.0008	.0010	.0012	.0016	.0020	.0022	.0024	.0039	.0046	.0059
					RPM	2440	1960	1630	1220	980	810	700	610	490	410	310
					IPM	4	5	5	5	5	5	5	4	6	6	5
	6	Low alloy steel	0.1D	1.5D	SFM	110	110	110	110	110	110	110	110	110	110	110
					IPT	.0006	.0009	.0011	.0013	.0017	.0022	.0024	.0027	.0038	.0045	.0059
					RPM	3360	2690	2240	1680	1340	1120	960	840	670	560	420
					IPM	6	7	7	7	7	7	7	7	8	8	7
	7		0.1D	1.5D	SFM	95	95	95	95	95	95	95	95	95	95	95
					IPT	.0007	.0009	.0011	.0013	.0018	.0023	.0025	.0027	.0038	.0045	.0057
					RPM	2900	2320	1940	1450	1160	970	830	730	580	480	360
					IPM	6	6	7	6	6	7	6	6	7	6	6
	8-9		0.1D	1.5D	SFM	80	80	80	80	80	80	80	80	80	80	80
					IPT	.0006	.0008	.0010	.0012	.0016	.0020	.0022	.0024	.0039	.0046	.0059
					RPM	2440	1960	1630	1220	980	810	700	610	490	410	310
					IPM	4	5	5	5	5	5	5	4	6	6	5
	10	High alloyed steel, and tool steel	0.1D	1.5D	SFM	110	110	110	110	110	110	110	110	110	110	110
					IPT	.0006	.0009	.0011	.0013	.0017	.0022	.0024	.0027	.0038	.0045	.0059
					RPM	3360	2690	2240	1680	1340	1120	960	840	670	560	420
					IPM	6	7	7	7	7	7	7	7	8	8	7
	11.1		0.1D	1.5D	SFM	80	80	80	80	80	80	80	80	80	80	80
					IPT	.0006	.0008	.0010	.0012	.0016	.0020	.0022	.0024	.0039	.0046	.0059
					RPM	2440	1960	1630	1220	980	810	700	610	490	410	310
					IPM	4	5	5	5	5	5	5	4	6	6	5
M	14.1	Stainless steel	0.1D	1.5D	SFM	100	100	100	100	100	100	100	100	100	100	100
					IPT	.0003	.0004	.0006	.0007	.0009	.0011	.0012	.0014	.0020	.0025	.0033
					RPM	3060	2440	2040	1530	1220	1020	870	760	610	510	380
					IPM	3	3	3	3	3	3	3	3	4	4	4
K	15-20	Grey cast iron Nodular cast iron Malleable cast iron	0.1D	1.5D	SFM	125	125	125	125	125	125	125	125	125	125	125
					IPT	.0010	.0012	.0016	.0023	.0032	.0041	.0048	.0056	.0075	.0092	.0124
					RPM	3820	3060	2550	1910	1530	1270	1090	950	760	640	480
					IPM	11	11	12	13	14	16	16	16	17	18	18
N	21-25	Aluminum-wrought alloy Aluminum-cast, alloyed	0.1D	1.5D	SFM	315	315	315	315	315	315	315	315	315	315	315
					IPT	.0008	.0011	.0013	.0017	.0023	.0028	.0032	.0035	.0045	.0053	.0068
					RPM	9630	7700	6420	4810	3850	3210	2750	2410	1930	1600	1200
					IPM	22	24	26	25	26	27	26	25	26	25	24
	26-29.1	Copper and Copper Alloys (Bronze / Brass) Non Metallic Materials	0.1D	1.5D	SFM	235	235	235	235	235	235	235	235	235	235	235
					IPT	.0007	.0010	.0012	.0017	.0023	.0029	.0032	.0035	.0046	.0054	.0069
					RPM	7180	5740	4790	3590	2870	2390	2050	1800	1440	1200	900
					IPM	15	16	17	19	20	21	19	19	20	19	19

SFM = ft./min.
IPT = In./tooth
RPM = rev./min.
IPM = In./min.



Side Cutting