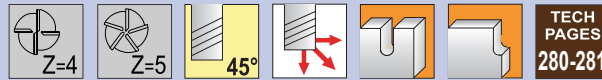


TOLERANCES

<i>d1</i>	+0.000" -0.002" (+0.000 -0.050mm)
<i>d2</i>	h6
<i>ball radius</i>	+0.000" -0.001" (+0.000 -0.025mm)

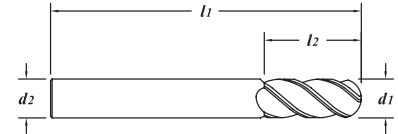
Series 545BA



Recommended for Hardened Die Mold, Inconel, Tool Steels >40Rc

**Ball End
AlTiN Coating**

Solid submicron grain carbide end mill - center cutting
High performance tool for use in high Rockwell materials
Square End - page 175
Corner Radius - page 176



EDP#	<i>d1</i> † Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	Number of Flutes	1-11	12-24	25-49	50-100	
	Decimal	Metric									
21204	.1181	3.000	3.0	38	12	4	15.63	14.95	14.27	13.59	
21234	.1250	1/8"	3.175	1/8"	1-1/2"	1/2"	4	14.85	14.20	13.56	12.91
21264	.1575		4.000	6.0	50	12	4	25.20	24.10	23.01	21.91
21294	.1875	3/16"	4.763	3/16"	2"	9/16"	4	18.66	17.85	17.04	16.23
21324	.1969		5.000	6.0	65	15	4	27.49	26.29	25.10	23.90
21354	.2362		6.000	6.0	65	19	4	26.62	25.47	24.31	23.15
21384	.2500	1/4"	6.353	1/4"	2-1/2"	3/4"	4	25.65	24.53	23.42	22.30
21414	.2756		7.000	8.0	65	22	5	40.23	38.48	36.73	34.98
21444	.3125	5/16"	7.938	5/16"	2-1/2"	13/16"	5	34.73	33.22	31.71	30.20
21474	.3150		8.000	8.0	65	22	5	36.56	34.97	33.38	31.79
21504	.3543		9.000	10.0	65	22	5	54.03	51.68	49.33	46.98
21534	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	5	40.41	38.65	36.90	35.14
21564	.3937		10.000	10.0	70	22	5	48.83	46.71	44.58	42.46
21624	.4724		12.000	12.0	75	32	5	72.13	68.99	65.86	62.72
21664	.5000	1/2"	12.700	1/2"	3"	1-1/4"	5	68.52	65.54	62.56	59.58
21714	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	5	108.97	104.24	99.50	94.76
21744	.6299		16.000	16.0	88	32	5	114.71	109.73	104.74	99.75
21774	.7087		18.000	18.0	100	38	5	163.71	156.60	149.48	142.36
21804	.7500	3/4"	19.050	3/4"	4"	1-1/2"	5	156.66	149.85	143.04	136.23
21924	1.000	1"	25.400	1"	4"	1-1/2"	5	267.74	256.10	244.46	232.82

70
35
0
MATERIAL HARDNESS (Rc)

HIGH PERFORMANCE
END MILLS