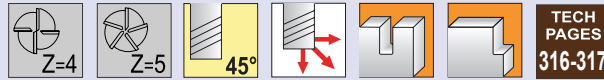


TOLERANCES

<i>d1</i>	+0.000" -0.002" (+.000mm -.050mm)
<i>d2</i>	h6
<i>r</i>	+0.001" -0.001" (+.025 -.025mm)

HIGH ROCKWELL END MILLS

Series 545RA



Recommended for inconel, tool steels, hardened die mold >40Rc

Corner Radius

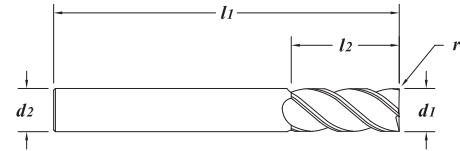
BALINIT® Durana Coating

Solid submicron grain carbide end mill - center cutting

High performance tool for use in high Rockwell and difficult to machine materials

Square End - page 204

Ball End - page 206



EDP#	<i>d1</i> † Diameter		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>r</i> Corner Radius	Number of Flutes	LIST PRICE
	Decimal	Metric						
21202	.1181	3.000	3.0	38	12	0.20	4	16.18
21212	.1181	3.000	3.0	38	12	0.50	4	16.18
21232	.1250	1/8"	3.175	1/8"	1-1/2"	1/2"	4	15.37
21242	.1250	1/8"	3.175	1/8"	1-1/2"	1/2"	4	15.37
21262	.1575	4.000	6.0	50	12	0.30	4	26.08
21292	.1875	3/16"	4.763	3/16"	2"	9/16"	4	19.31
21302	.1875	3/16"	4.763	3/16"	2"	9/16"	4	19.31
21322	.1969	5.000	6.0	65	15	0.30	4	28.45
21342	.2362	6.000	6.0	65	19	0.20	4	27.56
21352	.2362	6.000	6.0	65	19	0.50	4	27.56
21372	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	4	26.55
21382	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	4	26.55
21392	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	4	26.55
21412	.2756	7.000	8.0	65	22	0.50	5	41.64
21432	.3125	5/16"	7.938	5/16"	2-1/2"	13/16"	5	35.95
21442	.3125	5/16"	7.938	5/16"	2-1/2"	13/16"	5	35.95
21452	.3125	5/16"	7.938	5/16"	2-1/2"	13/16"	5	35.95
21462	.3150	8.000	8.0	65	22	0.20	5	37.84
21472	.3150	8.000	8.0	65	22	0.50	5	37.84
21502	.3543	9.000	10.0	65	22	0.50	5	55.92
21522	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	5	41.83
21532	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	5	41.83
21542	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	5	41.83
21552	.3937	10.000	10.0	70	22	0.20	5	50.53
21562	.3937	10.000	10.0	70	22	0.50	5	50.53
21612	.4724	12.000	12.0	75	32	0.50	5	74.65
21622	.4724	12.000	12.0	75	32	1.00	5	74.65
21642	.5000	1/2"	12.700	1/2"	3"	1-1/4"	5	70.92
21652	.5000	1/2"	12.700	1/2"	3"	1-1/4"	5	70.92
21662	.5000	1/2"	12.700	1/2"	3"	1-1/4"	5	70.92
21672	.5000	1/2"	12.700	1/2"	3"	1-1/4"	5	70.92
21692	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	5	112.79
21702	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	5	112.79
21712	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	5	112.79
21722	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	5	112.79
21732	.6299	16.000	16.0	88	32	0.50	5	118.73
21742	.6299	16.000	16.0	88	32	1.00	5	118.73
21772	.7087	18.000	18.0	100	38	0.50	5	169.45
21802	.7500	3/4"	19.050	3/4"	4"	1-1/2"	5	162.15
21812	.7500	3/4"	19.050	3/4"	4"	1-1/2"	5	162.15
21822	.7500	3/4"	19.050	3/4"	4"	1-1/2"	5	162.15
21832	.7874	20.000	20.0	100	38	0.50	5	229.24
21922	1.000	1"	25.400	1"	4"	1-1/2"	5	277.12
21932	1.000	1"	25.400	1"	4"	1-1/2"	5	277.12
21942	1.000	1"	25.400	1"	4"	1-1/2"	5	277.12

70
35
0
MATERIAL HARDNESS (Rc)

HIGH PERFORMANCE
END MILLS