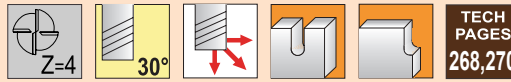


TOLERANCES

d_1	+0.000" -0.002" (+0.000 -0.050mm)
d_2	h6
ball radius	+0.000" -0.001" (+0.000 -0.025mm)

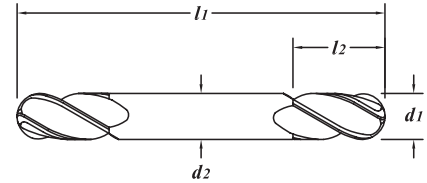
Series 195MA, 995MA



END MILLS

Stub Length - Ball End - Double End
TiALN Coating

- Solid submicron grain carbide end mill - center cutting
- Shorter flute length for rigidity
- Dry or semi-dry machining
- Extremely versatile
- Uncoated - page 200
- Standard Length - page 229



EDP#	d_1 †		d_2	l_1	l_2	1-11	12-24	25-49	50-100	
	Decimal	Diameter								Metric
08017	.0312	1/32"	0.792	1/8"	1-1/2"	1/16"	26.60	25.44	24.29	23.13
08517	.0394		1.000	3.0	38	2	27.80	26.59	25.38	24.17
08027	.0469	3/64"	1.191	1/8"	1-1/2"	3/32"	26.60	25.44	24.29	23.13
08037	.0625	1/16"	1.588	1/8"	1-1/2"	1/8"	26.60	25.44	24.29	23.13
08537	.0787		2.000	3.0	38	4	27.80	26.59	25.38	24.17
08047	.0938	3/32"	2.383	1/8"	1-1/2"	3/16"	26.60	25.44	24.29	23.13
08557	.1181		3.000	3.0	38	6	18.73	17.92	17.10	16.29
08057	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	17.97	17.19	16.41	15.63
08067	.1562	5/32"	3.967	3/16"	2"	5/16"	28.91	27.65	26.40	25.14
08577	.1575		4.000	4.0	50	8	25.42	24.31	23.21	22.10
08077	.1875	3/16"	4.763	3/16"	2"	3/8"	24.33	23.28	22.22	21.16
08597	.1969		5.000	5.0	65	10	35.29	33.76	32.22	30.69
08607	.2362		6.000	6.0	65	12	36.01	34.44	32.88	31.31
08097	.2500	1/4"	6.350	1/4"	2-1/2"	1/2"	34.62	33.11	31.61	30.10
08107	.3125	5/16"	7.938	5/16"	2-1/2"	1/2"	45.09	43.13	41.17	39.21
08117	.3750	3/8"	9.525	3/8"	2-1/2"	1/2"	47.20	45.14	43.09	41.04
08137	.5000	1/2"	12.700	1/2"	3"	5/8"	73.49	70.29	67.10	63.90

70

35

0

MATERIAL HARDNESS (Rc)