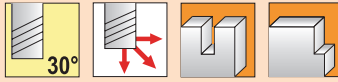


220MT - 2 Flute
230MT - 4 Flute

Technical information: page 228, 230

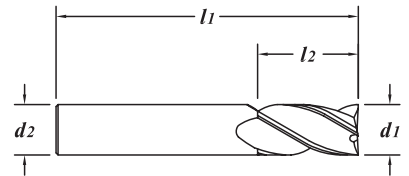


TOLERANCES

d_1	+.000" -.002" (+.000 -.050mm)	
d_2	3mm - 6mm	+0.000" -.0003" (-.0000 -.0075mm)
	1/4" - 1"	-.0001" -.0004" (-.0025 -.0100mm)

Standard Length - TiN Coated

- Solid submicron grain carbide end mill - center cutting
- Improved lubricity - 10% faster than uncoated
- Extremely versatile
- Uncoated - page 160
- TiCN Coated - page 163
- TiALN Coated - page 164



2 Flute EDP#	4 Flute EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	1-11	12-24	25-49	50-100	
		Decimal	Metric								
11073	13073	.1250	1/8"	3.175	1/8"	1-1/2"	1/2"	9.76	9.34	8.91	8.49
11113	13113	.1875	3/16"	4.763	3/16"	2"	5/8"	13.08	12.51	11.94	11.37
11153	13153	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	16.96	16.23	15.49	14.75
11193	13193	.3125	5/16"	7.938	5/16"	2-1/2"	7/8"	23.62	22.59	21.57	20.54
11233	13233	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	28.46	27.23	25.99	24.75
11273	13273	.4375	7/16"	11.113	7/16"	2-3/4"	1"	34.68	33.18	31.67	30.16
11313	13313	.5000	1/2"	12.700	1/2"	3"	1"	44.05	42.13	40.22	38.30
11333	13333	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	83.06	79.45	75.84	72.23
11353	13353	.7500	3/4"	19.050	3/4"	4"	1-1/2"	119.43	114.24	109.04	103.85
11373	13373	1.000	1"	25.400	1"	4"	1-1/2"	180.77	172.91	165.05	157.19