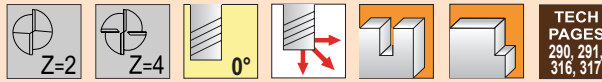


Series 222M, 234M, 334MA

TOLERANCES

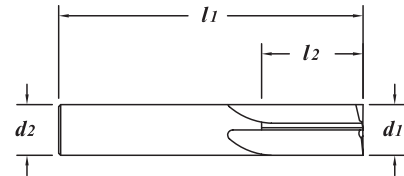
d_1	+0.000" - .002" (+0.000 - .050mm)
d_2	h6
ball radius	+0.000" - .001" (+0.000 - .025mm)



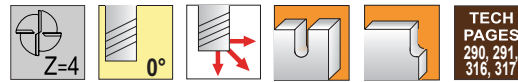
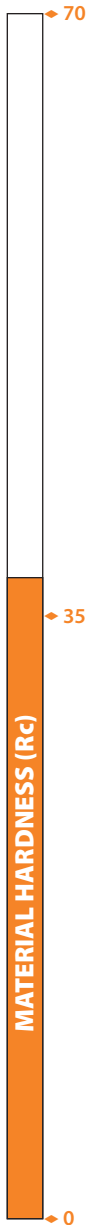
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Standard Length - Straight Flute - Square End

Solid submicron grain carbide end mill - center cutting
For cutting high Rc materials
Helps to hold perpendicularity



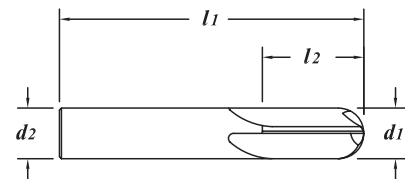
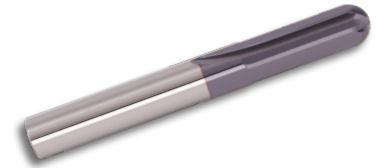
(222M) 2 Flute EDP#	(234M) 4 Flute EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length
		Decimal	Metric			
81070	82070	.1250	1/8"	3.175	1/8"	1-1/2"
81110	82110	.1875	3/16"	4.763	3/16"	2"
81150	82150	.2500	1/4"	6.350	1/4"	2-1/2"
81190	82190	.3125	5/16"	7.938	5/16"	2-1/2"
81230	82230	.3750	3/8"	9.525	3/8"	2-1/2"
81270	82270	.4375	7/16"	11.113	7/16"	2-3/4"
81310	82310	.5000	1/2"	12.700	1/2"	3"
81330	82330	.6250	5/8"	15.875	5/8"	3-1/2"
81350	82350	.7500	3/4"	19.050	3/4"	4"
81370	82370	1.000	1"	25.400	1"	4"



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Standard Length - Straight Flute - Ball End

TiAlN Coating
Solid submicron grain carbide end mill - center cutting
For cutting high Rc materials
Helps to hold perpendicularity



(334MA) 4 Flute EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length
	Decimal	Metric			
84077	.1250	1/8"	3.175	1/8"	1-1/2"
84115	.1875	3/16"	4.763	3/16"	2"
84157	.2500	1/4"	6.350	1/4"	2-1/2"
84237	.3750	3/8"	9.525	3/8"	2-1/2"