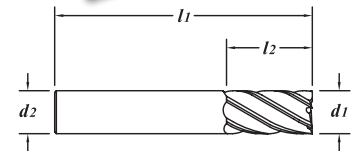
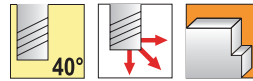


**246M (846M metric) - 6 Flute - Uncoated**  
**246MC - 6 Flute - TiCN Coated**  
**246MA (846MA metric) - 6 Flute - Balinit® X.CEED Coated**

**TOLERANCES**

$d1$	+.000" -.002" (+.000 -.050mm)	
$d2$	3mm - 6mm	+.0000" -.0003" (+.0000 -.0075mm)
	1/4" - 1-1/4"	-.0001" -.0004" (-.0025 -.0100mm)

Technical information: page 193, 195



Solid submicron grain carbide end mill - center cutting

High performance finishing in a variety of steels

Rigid work holding, machine stability and part integrity are critical!

Excellent durability

HIGH PERFORMANCE END MILLS

UNCOATED EDP#	TiCN EDP#	X.CEED EDP#	$d1$ †		$d2$	$l1$	$l2$	1-11	12-24	25-49	50-100	
			Decimal	Diameter Metric								
51110	-	-	.1875	3/16"	4.76	3/16"	2"	5/8"	10.65	10.18	9.72	9.26
51510	-	-	.1969		5.00	5.0	50	16	11.82	11.32	10.80	10.29
51520	-	-	.2362		6.00	6.0	65	20	13.48	12.90	12.30	11.72
51150	-	-	.2500	1/4"	6.35	1/4"	2-1/2"	3/4"	12.84	12.28	11.73	11.17
51190	-	-	.3125	5/16"	7.94	5/16"	2-1/2"	7/8"	18.02	17.24	16.45	15.67
51530	-	-	.3150		8.00	8.0	65	22	18.92	18.10	17.27	16.45
51230	-	-	.3750	3/8"	9.52	3/8"	2-1/2"	7/8"	22.43	21.46	20.48	19.51
51540	-	-	.3937		10.00	10.0	70	25	27.32	26.14	24.95	23.75
51270	-	-	.4375	7/16"	11.11	7/16"	2-3/4"	1"	27.39	26.20	25.01	23.82
51550	-	-	.4724		12.00	12.0	75	25	37.74	36.10	34.46	32.82
51310	-	-	.5000	1/2"	12.70	1/2"	3"	1"	35.94	34.38	32.81	31.25
51330	-	-	.6250	5/8"	15.87	5/8"	3-1/2"	1-1/4"	69.31	66.29	63.27	60.27
51560	-	-	.6299		16.00	16.0	88	32	72.78	69.62	66.45	63.28
51350	-	-	.7500	3/4"	19.05	3/4"	4"	1-1/2"	101.63	97.21	92.79	88.37
51570	-	-	.7874		20.00	20.0	100	38	135.68	129.78	123.88	117.98
51580	-	-	.9843		25.00	25.0	100	38	157.62	150.77	143.92	137.06
51370	-	-	1.000	1"	25.40	1"	4"	1-1/2"	152.03	145.41	138.81	132.19
51400	-	-	1.250	1-1/4"	31.75	1-1/4"	4-1/2"	2"	443.82	424.52	405.23	385.93
51430	-	-	1.250	1-1/4"	31.75	1-1/4"	6"	3"	580.96	555.70	530.44	505.19
-	51114	-	.1875	3/16"	4.76	3/16"	2"	5/8"	12.53	11.99	11.44	10.90
-	51154	-	.2500	1/4"	6.35	1/4"	2-1/2"	3/4"	16.68	15.95	15.24	14.51
-	51194	-	.3125	5/16"	7.94	5/16"	2-1/2"	7/8"	23.14	22.13	21.13	20.12
-	51234	-	.3750	3/8"	9.52	3/8"	2-1/2"	7/8"	27.57	26.37	25.17	23.97
-	51274	-	.4375	7/16"	11.11	7/16"	2-3/4"	1"	33.55	32.09	30.63	29.17
-	51314	-	.5000	1/2"	12.70	1/2"	3"	1"	42.09	40.26	38.43	36.60
-	51334	-	.6250	5/8"	15.87	5/8"	3-1/2"	1-1/4"	78.88	75.45	72.02	68.60
-	51354	-	.7500	3/4"	19.05	3/4"	4"	1-1/2"	112.59	107.69	102.80	97.91
-	51374	-	1.000	1"	25.40	1"	4"	1-1/2"	168.48	161.16	153.83	146.50
-	51404	-	1.250	1-1/4"	31.75	1-1/4"	4-1/2"	2"	470.42	449.97	429.52	409.06
-	51434	-	1.250	1-1/4"	31.75	1-1/4"	6"	3"	611.05	584.48	557.92	531.36
-	-	51117	.1875	3/16"	4.76	3/16"	2"	5/8"	12.80	12.24	11.69	11.13
-	-	51517	.1969		5.00	5.0	50	16	15.16	14.51	13.84	13.19
-	-	51527	.2362		6.00	6.0	65	20	17.89	17.11	16.33	15.56
-	-	51157	.2500	1/4"	6.35	1/4"	2-1/2"	3/4"	17.27	16.53	15.78	15.02
-	-	51197	.3125	5/16"	7.94	5/16"	2-1/2"	7/8"	24.64	23.57	22.50	21.42
-	-	51537	.3150		8.00	8.0	65	22	25.52	24.41	23.31	22.19
-	-	51237	.3750	3/8"	9.52	3/8"	2-1/2"	7/8"	29.07	27.80	26.54	25.27
-	-	51547	.3937		10.00	10.0	70	25	34.84	33.32	31.81	30.30
-	-	51277	.4375	7/16"	11.11	7/16"	2-3/4"	1"	34.92	33.40	31.89	30.37
-	-	51557	.4724		12.00	12.0	75	25	45.27	43.31	41.33	39.36
-	-	51317	.5000	1/2"	12.70	1/2"	3"	1"	43.46	41.57	39.69	37.79
-	-	51337	.6250	5/8"	15.87	5/8"	3-1/2"	1-1/4"	80.19	76.71	73.22	69.73
-	-	51567	.6299		16.00	16.0	88	32	83.66	80.02	76.38	72.75
-	-	51357	.7500	3/4"	19.05	3/4"	4"	1-1/2"	114.47	109.49	104.52	99.54
-	-	51577	.7874		20.00	20.0	100	38	154.66	147.93	141.21	134.48
-	-	51587	.9843		25.00	25.0	100	38	176.60	168.93	161.24	153.57
-	-	51377	1.000	1"	25.40	1"	4"	1-1/2"	171.01	163.57	156.14	148.70
-	-	51407	1.250	1-1/4"	31.75	1-1/4"	4-1/2"	2"	474.95	454.29	433.65	413.00
-	-	51437	1.250	1-1/4"	31.75	1-1/4"	6"	3"	612.09	585.48	558.86	532.26