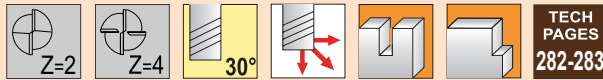


Series 280M, 290M, 380M, 390M

TOLERANCES	
d_1	+0.01" -0.000" (+0.025 -0.000mm)
d_2	h6



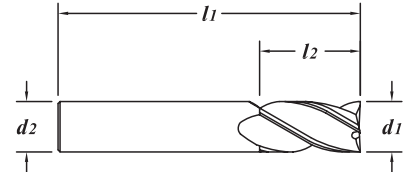
Standard Length - N/C Tolerance - Square End

Solid submicron grain carbide end mill - center cutting

Excellent for keyways

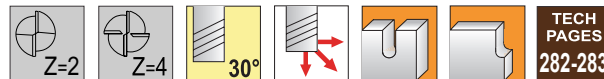
Tight tolerance for precision machining

For use when matching tools are necessary



(280M) 2 Flute EDP#	(290M) 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								
25010	26010	.0625	1/16"	1.588	1/8"	1-1/2"	1/4"	14.74	14.10	13.46	12.82
25020	26020	.0938	3/32"	2.383	1/8"	1-1/2"	5/16"	13.97	13.37	12.76	12.15
25030	26030	.1250	1/8"	3.175	1/8"	1-1/2"	1/2"	13.56	12.97	12.38	11.79
25040	26040	.1875	3/16"	4.763	3/16"	2"	9/16"	18.03	17.25	16.46	15.68
25050	26050	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	20.73	19.83	18.93	18.03
* 25070	* 26070	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	38.10	36.44	34.79	33.13
* 25090	* 26090	.5000	1/2"	12.700	1/2"	3"	1"	61.03	58.38	55.72	53.07
-	* 26100	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	108.64	103.92	99.19	94.47

MATERIAL HARDNESS (Rc) 70
35
0



Standard Length - N/C Tolerance - Ball End

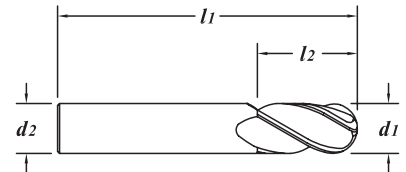
Solid submicron grain carbide end mill - center cutting

Excellent for keyways

Tight tolerance for precision machining

For use when matching tools are necessary

Ball radius tolerance +.0005" -0.0000" (+0.0127mm -0.0000mm)



(380M) 2 Flute EDP#	(390M) 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								
27010	28010	.0625	1/16"	1.588	1/8"	1-1/2"	1/4"	16.97	16.24	15.50	14.76
27030	28030	.1250	1/8"	3.175	1/8"	1-1/2"	1/2"	15.59	14.92	14.24	13.56
-	28040	.1875	3/16"	4.763	3/16"	2"	9/16"	20.73	19.83	18.93	18.03
27050	28050	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	23.87	22.84	21.80	20.76
-	28060	.3125	5/16"	7.938	5/16"	2-1/2"	7/8"	34.12	32.64	31.15	29.67
* 27070	* 28070	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	43.84	41.93	40.03	38.12
-	* 28090	.5000	1/2"	12.700	1/2"	3"	1"	70.21	67.16	64.10	61.05
-	* 28100	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	124.98	119.55	114.11	108.68

* - Tools with weldon flats