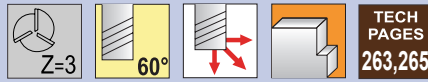


**TOLERANCES**

$d_1$	+0.000° -0.002° (+.000 -0.050mm)
$d_2$	h6

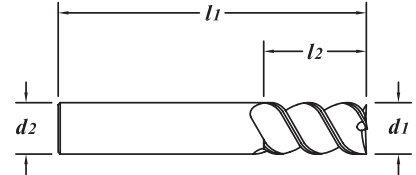
**Series 263M, 263MC, 263MA, 863M, 863MA**



Recommended for Steels, Stainless Steel, High-temperature Alloys

**Square End**

- Solid submicron grain carbide end mill - center cutting
- High performance profiling
- Rigid work holding, machine stability and part integrity are critical!
- Modified end gash - will not cut square corner
- Can be modified with a corner radius



(263M/863M) UNCOATED EDP#	(263MC) TiCN EDP#	(263MA/863MA) AlTiN EDP#	$d_1$ †		$d_2$ Shank Diameter	$l_1$ Overall Length	$l_2$ Flute Length	1-11	12-24	25-49	50-100	
			Decimal	Diameter								Metric
23510	-	-	.2362		6.000	6.0	65	13	15.50	14.83	14.15	13.48
23010	-	-	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	14.78	14.14	13.49	12.85
23020	-	-	.3125	5/16"	7.938	5/16"	2-1/2"	7/8"	20.72	19.82	18.92	18.02
23030	-	-	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	25.81	24.68	23.56	22.44
23530	-	-	.3937		10.000	10.0	70	22	31.41	30.04	28.68	27.31
23040	-	-	.4375	7/16"	11.113	7/16"	2-3/4"	1"	31.50	30.13	28.76	27.39
23540	-	-	.4724		12.000	12.0	75	26	43.40	41.51	39.63	37.74
23050	-	-	.5000	1/2"	12.700	1/2"	3"	1"	41.33	39.53	37.74	35.94
23060	-	-	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	79.71	76.24	72.78	69.31
23070	-	-	.7500	3/4"	19.050	3/4"	4"	1-1/2"	116.87	111.79	106.71	101.63
23560	-	-	.7874		20.000	20.0	100	38	156.03	149.25	142.46	135.68
23080	-	-	1.000	1"	25.400	1"	4"	1-1/2"	174.82	167.22	159.62	152.02
-	23014	-	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	19.19	18.36	17.52	16.69
-	23024	-	.3125	5/16"	7.938	5/16"	2-1/2"	7/8"	26.61	25.45	24.30	23.14
-	23034	-	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	31.71	30.33	28.95	27.57
-	23044	-	.4375	7/16"	11.113	7/16"	2-3/4"	1"	38.58	36.91	35.23	33.55
-	23054	-	.5000	1/2"	12.700	1/2"	3"	1"	48.40	46.30	44.19	42.09
-	23064	-	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	90.72	86.78	82.83	78.89
-	23074	-	.7500	3/4"	19.050	3/4"	4"	1-1/2"	129.49	123.86	118.23	112.60
-	23084	-	1.000	1"	25.400	1"	4"	1-1/2"	193.79	185.36	176.94	168.51
-	-	23517	.2362		6.000	6.0	65	13	20.57	19.68	18.78	17.89
-	-	23017	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	19.86	19.00	18.13	17.27
-	-	23027	.3125	5/16"	7.938	5/16"	2-1/2"	7/8"	28.32	27.09	25.86	24.63
-	-	23527	.3150		8.000	8.0	65	19	29.35	28.07	26.80	25.52
-	-	23037	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	33.42	31.97	30.51	29.06
-	-	23537	.3937		10.000	10.0	70	22	40.08	38.34	36.59	34.85
-	-	23047	.4375	7/16"	11.113	7/16"	2-3/4"	1"	40.17	38.42	36.68	34.93
-	-	23547	.4724		12.000	12.0	75	26	52.05	49.79	47.52	45.26
-	-	23057	.5000	1/2"	12.700	1/2"	3"	1"	49.98	47.81	45.63	43.46
-	-	23067	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	92.22	88.21	84.20	80.19
-	-	23557	.6299		16.000	16.0	88	32	96.21	92.03	87.84	83.66
-	-	23077	.7500	3/4"	19.050	3/4"	4"	1-1/2"	131.64	125.92	120.19	114.47
-	-	23087	1.000	1"	25.400	1"	4"	1-1/2"	196.66	188.11	179.56	171.01

70  
35  
0  
MATERIAL HARDNESS (Rc)

HIGH PERFORMANCE  
END MILLS