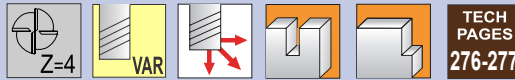


TOLERANCES

$d1$	+0.000" -0.002" (+.000mm -.050mm)
$d2$	h6



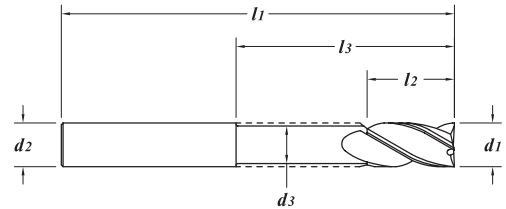
Recommended for Titanium, Inconel, and Steels

Variable Helix End Mill - Square End

AlCrN Coating

- Solid submicron grain carbide end mill - center cutting
- Helix geometry varies over length of flutes
- Variable flute design helps with chip evacuation in slots and pockets
- Variable rake aids in chip formation
- PCT (Polish Carbide Treatment) enhances tool life by 20%
- Minimizes burr on part
- Can be modified with a flat within 48 hours
- V4 Corner Radius - page 150
- V4 Ball End - page 153

The combination of an extended flute length with a weldon flat may cause the flute washout to reach inside some end mill holders



EDP#	$d1$ † Diameter	$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length	$l3$ Reach Length	$d3$ Neck Diameter	Reach			
							1-11	12-24	25-49	50-100
50236	-	6.000	65	12	-	-	22.64	21.66	20.67	19.69
50237	-	6.000	65	19	-	-	22.64	21.66	20.67	19.69
50540	-	6.350	2"	3/8"	-	-	19.37	18.53	17.69	16.84
50238	-	6.350	2-1/2"	3/4"	-	-	21.85	20.90	19.95	19.00
50541	-	7.937	2"	7/16"	-	-	26.75	25.59	24.42	23.26
50239	-	7.937	2-1/2"	13/16"	-	-	31.15	29.80	28.44	27.09
50240	-	8.000	65	22	-	-	32.28	30.88	29.47	28.07
50542	-	9.525	2"	1/2"	-	-	31.56	30.19	28.82	27.44
50241	-	9.525	2-1/2"	1"	-	-	36.77	35.17	33.57	31.97
50242	-	10.000	70	22	-	-	44.07	42.15	40.24	38.32
50450	50449	12.000	75	26	-	-	57.27	54.78	52.29	49.80
50243	50283	12.000	75	32	-	-	57.27	54.78	52.29	49.80
50564	-	12.000	100	42	-	-	76.53	73.20	69.87	66.55
50543	-	12.700	2-1/2"	5/8"	-	-	51.59	49.35	47.10	44.86
50452	50453	12.700	3"	1"	-	-	54.98	52.59	50.20	47.81
50244	50284	12.700	3"	1-1/4"	-	-	54.98	52.59	50.20	47.81
50578	50579	12.700	4"	1-5/8"	-	-	74.39	71.16	67.92	64.69
50245	50285	12.700	4"	2-1/8"	-	-	74.39	71.16	67.92	64.69
50235	-	12.700	6"	5/8"	4-1/8"	.470"	118.28	113.14	107.99	102.85
50545	50546	15.875	3"	3/4"	-	-	95.93	91.76	87.59	83.42
50246	50286	15.875	3-1/2"	1-1/4"	-	-	101.44	97.03	92.62	88.21
50547	-	16.000	75	19	-	-	100.30	95.94	91.58	87.22
50247	50287	16.000	88	32	-	-	105.83	101.23	96.63	92.03
50549	50550	19.050	4"	1"	-	-	144.80	138.50	132.21	125.91
50248	50288	19.050	4"	1-1/2"	-	-	144.80	138.50	132.21	125.91
50551	50552	19.050	4"	1-3/4"	-	-	144.80	138.50	132.21	125.91
50553	50554	19.050	5"	2-1/8"	-	-	194.35	185.90	177.45	169.00
50555	-	20.000	100	25	-	-	195.64	187.13	178.63	170.12
50249	50289	20.000	100	38	-	-	195.64	187.13	178.63	170.12
50250	50290	25.400	4"	1-1/2"	-	-	216.33	206.92	197.52	188.11

HIGH PERFORMANCE
END MILLS

MATERIAL HARDNESS (Rc)