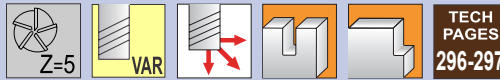


Series V5C - Chip Splitter

HIGH EFFICIENCY MILLING

TOLERANCES	
$d1$	+0.000" -0.002" (+0.000mm -0.050mm)
$d2$	h6
r	+0.011" -0.011" (+0.25 -0.25mm)

.4724" - .6299"
(12.000mm - 16.000mm)

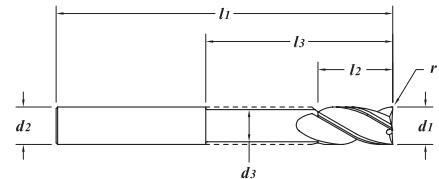


Recommended for titanium, inconel, and stainless steel

Variable Helix End Mill

AlCrN Coating

- Solid submicron grain carbide end mill - center cutting
- Chip splitter to help break long chips
- Engineered for High Efficiency Milling
- Staggered flutes to control harmonics
- Variable flute design helps with chip evacuation in slots and pockets
- PCT (Polish Carbide Treatment) enhances tool life



MATERIAL HARDNESS (Rc)
70
35
0

EDP#	$d1$ † Diameter		$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length	r Corner Radius	$l3$ Reach Length	$d3$ Neck Diameter	1-11	12-24	25-49	50-100	
	Decimal	Metric											
50801	.4724	12.000	12.0	100	42	0.30	-	-	98.80	94.50	90.21	85.91	
50800	.4724	12.000	12.0	100	42	1.00	-	-	98.80	94.50	90.21	85.91	
50803	.5000	12.700	12.700	3"	1"	-	-	-	69.05	66.04	63.04	60.04	
50807	.5000	12.700	12.700	1/2"	3"	1"	.015"	-	82.55	78.96	75.37	71.78	
50805	.5000	12.700	12.700	1/2"	3"	1"	.020"	-	82.55	78.96	75.37	71.78	
50809	.5000	12.700	12.700	1/2"	3"	1"	.030"	-	82.55	78.96	75.37	71.78	
50811	.5000	12.700	12.700	1/2"	3"	1-1/4"	.015"	-	82.55	78.96	75.37	71.78	
50810	.5000	12.700	12.700	1/2"	3"	1-1/4"	.020"	-	82.55	78.96	75.37	71.78	
50815	.5000	12.700	12.700	1/2"	3"	1-1/4"	.030"	-	82.55	78.96	75.37	71.78	
50813	.5000	12.700	12.700	1/2"	3"	1-1/4"	.060"	-	82.55	78.96	75.37	71.78	
50820	.5000	12.700	12.700	1/2"	3"	1-1/4"	.090"	-	82.55	78.96	75.37	71.78	
50825	.5000	12.700	12.700	1/2"	4"	1-1/2"	.010"	-	96.40	92.21	88.02	83.83	
50817	.5000	12.700	12.700	1/2"	4"	1-1/2"	.030"	-	96.40	92.21	88.02	83.83	
50830	.5000	12.700	12.700	1/2"	4"	1-5/8"	-	-	91.21	87.24	83.28	79.31	
50819	.5000	12.700	12.700	1/2"	4"	1-5/8"	.030"	-	96.40	92.21	88.02	83.83	
50835	.5000	12.700	12.700	1/2"	4"	2-1/8"	-	-	91.21	87.24	83.28	79.31	
NEW 50836	.5000	12.700	12.700	1/2"	4"	2-1/8"	.030"	-	96.40	92.21	88.02	83.83	
50821	.5000	12.700	12.700	1/2"	4"	5/8"	.015"	1-1/2"	.475"	109.17	104.42	99.68	94.93
NEW 50823	.6250	15.875	15.875	5/8"	3-1/2"	1-1/4"	.020"	-	128.95	123.34	117.74	112.13	
50840	.6250	15.875	15.875	5/8"	3-1/2"	1-1/4"	.030"	-	128.95	123.34	117.74	112.13	
50827	.6250	15.875	15.875	5/8"	4"	1-5/8"	-	-	131.22	125.51	119.81	114.10	
50829	.6250	15.875	15.875	5/8"	4"	1-5/8"	.030"	-	139.53	133.46	127.40	121.33	
50845	.6250	15.875	15.875	5/8"	4"	2-1/8"	.030"	-	139.53	133.46	127.40	121.33	
50831	.6250	15.875	15.875	5/8"	6"	2-1/2"	.030"	-	189.22	180.99	172.77	164.54	
50833	.6299	16.000	16.000	100	40	0.50	-	-	142.26	136.07	129.89	123.70	
50837	.6299	16.000	16.000	100	40	1.00	-	-	142.26	136.07	129.89	123.70	

EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	r Corner Radius	l_3 Reach Length	d_3 Neck Diameter	1-11	12-24	25-49	50-100	
	Decimal	Metric											
50839	.7500	3/4"	19.050	3/4"	3"	7/8"	-	-	-	169.46	162.10	154.73	147.36
50841	.7500	3/4"	19.050	3/4"	3"	7/8"	.030"	-	-	178.27	170.52	162.77	155.02
50843	.7500	3/4"	19.050	3/4"	4"	1-1/2"	.030"	-	-	181.99	174.08	166.16	158.25
50847	.7500	3/4"	19.050	3/4"	4"	1-1/2"	.060"	-	-	181.99	174.08	166.16	158.25
50850	.7500	3/4"	19.050	3/4"	4"	1-1/2"	.120"	-	-	181.99	174.08	166.16	158.25
50849	.7500	3/4"	19.050	3/4"	4"	1-3/4"	-	-	-	173.17	165.64	158.11	150.58
50851	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.030"	-	-	181.99	174.08	166.16	158.25
50855	.7500	3/4"	19.050	3/4"	5"	2-1/8"	.030"	-	-	249.38	238.54	227.69	216.85
50853	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.030"	-	-	249.38	238.54	227.69	216.85
50857	.7500	3/4"	19.050	3/4"	5"	2-1/2"	.030"	-	-	249.38	238.54	227.69	216.85
50859	.7500	3/4"	19.050	3/4"	5"	2-3/4"	.015"	-	-	249.38	238.54	227.69	216.85
50861	.7500	3/4"	19.050	3/4"	5"	2-3/4"	.030"	-	-	249.38	238.54	227.69	216.85
50863	.7500	3/4"	19.050	3/4"	6"	3-1/4"	-	-	-	267.52	255.89	244.26	232.63
50860	.7500	3/4"	19.050	3/4"	6"	3-1/4"	.030"	-	-	294.76	281.94	269.13	256.31
50867	.7500	3/4"	19.050	3/4"	7"	4-1/4"	.015"	-	-	369.69	353.62	337.54	321.47
NEW 50869	1.000	1"	25.400	1"	5"	2-1/2"	.030"	-	-	373.61	357.37	341.12	324.88
NEW 50871	1.000	1"	25.400	1"	5"	2-5/8"	.030"	-	-	373.61	357.37	341.12	324.88
50873	1.000	1"	25.400	1"	6"	3-1/4"	.030"	-	-	484.89	463.80	442.72	421.64

70

35

MATERIAL HARDNESS (Rc)

0

