

Series V5 - Chip Splitter

**NEW
ITEMS**

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



TOLERANCES	
$d1$	+0.000" - .002" (+.000mm - .050mm)
$d2$	h6
r	+0.011" - .001" (+.025 - .025mm)

Variable Helix End Mill

AlCrN Coating

Solid submicron grain carbide end mill - center cutting

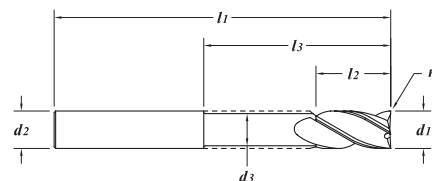
Chip splitter to help break long chips

Effective for trochoidal 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

NEW	EDP#		$d1$ †		$d2$	$l1$	$l2$	r	$l3$	$d3$	1-11	12-24	25-49	50-100	
	(plain)	(weldon)	Decimal	Diameter											Shank Diameter
	50801	-	.4724	12.000	12.0	100	42	0.30	-	-	95.00	90.87	86.74	82.61	
	50800	-	.4724	12.000	12.0	100	42	1.00	-	-	95.00	90.87	86.74	82.61	
NEW	50803	-	.5000	1/2"	12.700	1/2"	3"	1"	-	-	66.39	63.50	60.62	57.73	
NEW	50807	-	.5000	1/2"	12.700	1/2"	3"	1"	.015"	-	79.37	75.92	72.47	69.02	
NEW	50809	-	.5000	1/2"	12.700	1/2"	3"	1"	.030"	-	79.37	75.92	72.47	69.02	
	50810	-	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.020"	-	79.37	75.92	72.47	69.02	
	50815	-	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.030"	-	79.37	75.92	72.47	69.02	
NEW	50811	-	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.015"	-	79.37	75.92	72.47	69.02	
NEW	50813	-	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.060"	-	79.37	75.92	72.47	69.02	
	50820	-	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.090"	-	79.37	75.92	72.47	69.02	
	50825	-	.5000	1/2"	12.700	1/2"	4"	1-1/2"	.010"	-	92.70	88.67	84.64	80.61	
NEW	50817	-	.5000	1/2"	12.700	1/2"	4"	1-1/2"	.030"	-	92.70	88.67	84.64	80.61	
	50830	-	.5000	1/2"	12.700	1/2"	4"	1-5/8"	-	-	87.70	83.89	80.07	76.26	
NEW	50819	-	.5000	1/2"	12.700	1/2"	4"	1-5/8"	.030"	-	92.70	88.67	84.64	80.61	
	50835	-	.5000	1/2"	12.700	1/2"	4"	2-1/8"	-	-	87.70	83.89	80.07	76.26	
NEW	50821	-	.5000	1/2"	12.700	1/2"	4"	5/8"	.015"	1-1/2"	.475"	104.97	100.41	95.84	91.28
NEW	50823	-	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	.020"	-	123.99	118.60	113.21	107.82	
	50840	-	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	.030"	-	123.99	118.60	113.21	107.82	
NEW	50827	-	.6250	5/8"	15.875	5/8"	4"	1-5/8"	-	-	126.17	120.68	115.20	109.71	
NEW	50829	-	.6250	5/8"	15.875	5/8"	4"	1-5/8"	.030"	-	134.16	128.33	122.49	116.66	
	50845	-	.6250	5/8"	15.875	5/8"	4"	2-1/8"	.030"	-	134.16	128.33	122.49	116.66	
NEW	50831	-	.6250	5/8"	15.875	5/8"	6"	2-1/2"	.030"	-	181.94	174.03	166.12	158.21	
NEW	50833	-	.6299	16.000	16.0	100	40	0.50	-	-	136.78	130.83	124.89	118.94	
NEW	50837	-	.6299	16.000	16.0	100	40	1.00	-	-	136.78	130.83	124.89	118.94	

Series V5 - Chip Splitter (continued)

.7500" - 1.0000"
(19.050mm - 25.400mm)

HIGH PERFORMANCE
END MILLS

	EDP#		d_1 †		d_2	l_1	l_2	r	l_3	d_3	1-11	12-24	25-49	50-100	
	(plain)	(weldon)	Decimal	Diameter											Metric
NEW	50839	-	.7500	3/4"	19.050	3/4"	3"	7/8"	-	-	-	162.94	155.86	148.77	141.69
NEW	50841	-	.7500	3/4"	19.050	3/4"	3"	7/8"	.030"	-	-	171.42	163.97	156.51	149.06
NEW	50843	-	.7500	3/4"	19.050	3/4"	4"	1-1/2"	.030"	-	-	174.98	167.38	159.77	152.16
NEW	50847	-	.7500	3/4"	19.050	3/4"	4"	1-1/2"	.060"	-	-	174.98	167.38	159.77	152.16
	50850	-	.7500	3/4"	19.050	3/4"	4"	1-1/2"	.120"	-	-	174.98	167.38	159.77	152.16
NEW	50849	-	.7500	3/4"	19.050	3/4"	4"	1-3/4"	-	-	-	166.51	159.27	152.03	144.79
NEW	50851	-	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.030"	-	-	174.98	167.38	159.77	152.16
	50855	-	.7500	3/4"	19.050	3/4"	5"	2-1/8"	.030"	-	-	239.79	229.36	218.94	208.51
NEW	50853	-	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.030"	-	-	239.79	229.36	218.94	208.51
NEW	50857	-	.7500	3/4"	19.050	3/4"	5"	2-1/2"	.030"	-	-	239.79	229.36	218.94	208.51
NEW	50859	-	.7500	3/4"	19.050	3/4"	5"	2-3/4"	.015"	-	-	239.79	229.36	218.94	208.51
NEW	50861	-	.7500	3/4"	19.050	3/4"	5"	2-3/4"	.030"	-	-	239.79	229.36	218.94	208.51
NEW	50863	-	.7500	3/4"	19.050	3/4"	6"	3-1/4"	-	-	-	257.23	246.05	234.86	223.68
	50860	-	.7500	3/4"	19.050	3/4"	6"	3-1/4"	.030"	-	-	283.42	271.10	258.77	246.45
NEW	50867	-	.7500	3/4"	19.050	3/4"	7"	4-1/4"	.015"	-	-	355.48	340.02	324.57	309.11
NEW	50869	-	1.000	1"	25.400	1"	5"	2-1/2"	.030"	-	-	359.24	343.62	328.00	312.38
NEW	50871	-	1.000	1"	25.400	1"	5"	2-5/8"	.030"	-	-	359.24	343.62	328.00	312.38
NEW	50873	-	1.000	1"	25.400	1"	6"	3-1/4"	.030"	-	-	466.23	445.96	425.69	405.42

