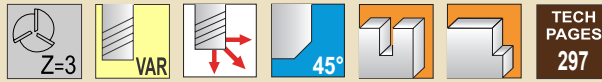


Series ARC

.1575" - .3750"
(4.000mm - 9.525mm)



TOLERANCES	
d_1	+0.000" - .002" (+0.000 - .050mm)
d_2	h6
d_3	+0.000" - .005" (+0.000 - .127mm)

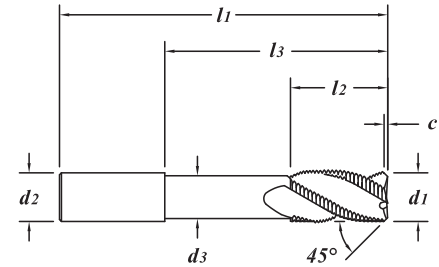
Recommended for aluminum and non-ferrous materials

Aluminum Knuckle Rougher / Ripper

Bright Finish

- Solid submicron grain carbide end mill - center cutting
- Wave knuckle design to break up chips
- Each flute has individual helix angle to break up harmonics
- Reduces tool pressure requiring less machine power
- Designed for roughing Aluminum Alloys

Ideal for use in extruded Aluminum



MATERIAL HARDNESS (Rc) 70
35
0

EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	c Chamfer Length	l_3 Reach Length	d_3 Neck Diameter	LIST PRICE
	Decimal	Metric							
46219	.1575	4.000	6.0	50	8	0.30	-	-	32.38
46222	.1575	4.000	6.0	50	12	0.30	-	-	32.38
46225	.1575	4.000	6.0	65	10	0.30	30	3.2	37.07
46228	.1575	4.000	6.0	75	15	0.30	40	3.2	48.79
46231	.1875	3/16"	4.763	3/16"	2"	5/16"	.015"	-	27.48
46234	.1875	3/16"	4.763	3/16"	2"	9/16"	.015"	-	27.48
46237	.1875	3/16"	4.763	3/16"	3"	1"	.015"	-	38.46
46240	.1875	3/16"	4.763	3/16"	3"	1/2"	.015"	1-1/2"	41.85
46243	.2362	6.000	6.0	50	12	0.50	-	-	32.13
46246	.2362	6.000	6.0	65	19	0.50	-	-	34.80
46249	.2362	6.000	6.0	100	20	0.50	60	5.2	49.36
46252	.2500	1/4"	6.350	1/4"	2"	3/8"	.020"	-	30.72
46255	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	.020"	-	34.38
46258	.2500	1/4"	6.350	1/4"	4"	1-1/2"	.020"	-	44.38
46261	.2500	1/4"	6.350	1/4"	4"	1"	.020"	2"	47.79
46264	.3125	5/16"	7.938	5/16"	2"	7/16"	.020"	-	36.66
46267	.3125	5/16"	7.938	5/16"	2-1/2"	13/16"	.020"	-	38.05
46270	.3125	5/16"	7.938	5/16"	4"	1-1/2"	.020"	-	54.51
46273	.3125	5/16"	7.938	5/16"	4"	1"	.020"	2"	57.90
46276	.3150	8.000	8.0	50	12	0.50	-	-	37.54
46279	.3150	8.000	8.0	65	22	0.50	-	-	39.01
46282	.3150	8.000	8.0	100	40	0.50	-	-	56.43
46285	.3150	8.000	8.0	100	20	0.50	60	7.2	59.82
46288	.3150	8.000	8.0	150	40	0.50	100	7.2	79.40
46291	.3750	3/8"	9.525	3/8"	2"	1/2"	.025"	-	42.78
46294	.3750	3/8"	9.525	3/8"	2-1/2"	7/8"	.025"	-	47.53
46297	.3750	3/8"	9.525	3/8"	3"	1-1/4"	.025"	-	55.55
46300	.3750	3/8"	9.525	3/8"	4"	1-5/8"	.025"	-	59.72
46303	.3750	3/8"	9.525	3/8"	4"	1"	.025"	2"	63.11
46306	.3750	3/8"	9.525	3/8"	6"	1-1/2"	.025"	4"	81.04

EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	c Chamfer Length	l_3 Reach Length	d_3 Neck Diameter	LIST PRICE
	Decimal	Metric							
46309	.3937	10.000	10.0	50	16	0.50	-	-	52.90
46312	.3937	10.000	10.0	70	22	0.50	-	-	55.78
46315	.3937	10.000	10.0	100	40	0.50	-	-	69.48
46318	.3937	10.000	10.0	100	20	0.50	60	9.2	72.87
46321	.3937	10.000	10.0	150	40	0.50	100	9.2	91.39
46324	.4724	12.000	12.0	65	19	0.80	-	-	60.81
46327	.4724	12.000	12.0	75	32	0.80	-	-	68.76
46330	.4724	12.000	12.0	100	50	0.80	-	-	80.59
46333	.4724	12.000	12.0	100	25	0.80	60	11.2	83.98
46336	.4724	12.000	12.0	150	40	0.80	100	11.2	113.75
46339	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.030"	-	57.88
46342	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.030"	-	65.60
46345	.5000	1/2"	12.700	1/2"	4"	2"	.030"	-	76.70
46348	.5000	1/2"	12.700	1/2"	4"	1"	.030"	2"	80.09
46351	.5000	1/2"	12.700	1/2"	6"	1-1/2"	.030"	4"	112.01
46354	.6250	5/8"	15.875	5/8"	3"	3/4"	.035"	-	102.68
46357	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	.035"	-	105.70
46360	.6250	5/8"	15.875	5/8"	4"	1-5/8"	.035"	-	111.96
46363	.6250	5/8"	15.875	5/8"	4"	1"	.035"	2"	115.37
46366	.6250	5/8"	15.875	5/8"	6"	1-1/2"	.035"	3"	162.05
46369	.6250	5/8"	15.875	5/8"	6"	1-1/2"	.035"	4"	162.05
46372	.6299	16.000	16.0	75	19	1.00	-	-	108.06
46375	.6299	16.000	16.0	88	32	1.00	-	-	110.85
46378	.6299	16.000	16.0	100	50	1.00	-	-	118.68
46381	.6299	16.000	16.0	100	20	1.00	50	15.2	122.07
46384	.6299	16.000	16.0	150	40	1.00	100	15.2	163.78
46387	.7500	3/4"	19.050	3/4"	4"	1-5/8"	.040"	-	154.57
46390	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.040"	-	216.62
46393	.7500	3/4"	19.050	3/4"	4"	7/8"	.040"	2"	157.97
46396	.7500	3/4"	19.050	3/4"	6"	1-1/2"	.040"	3"	260.80
46399	.7500	3/4"	19.050	3/4"	6"	1-1/2"	.040"	4"	260.80
46402	.7874	20.000	20.0	100	22	1.00	-	-	218.11
46405	.7874	20.000	20.0	100	40	1.00	-	-	218.11
46408	.7874	20.000	20.0	100	30	1.00	50	19.2	221.50
46411	.7874	20.000	20.0	150	40	1.00	100	19.2	270.54
46414	1.000	1"	25.400	1"	4"	1-1/2"	.040"	-	262.47
46417	1.000	1"	25.400	1"	5"	2"	.040"	-	324.79
46420	1.000	1"	25.400	1"	6"	2"	.040"	3-1/2"	436.41
46423	1.000	1"	25.400	1"	7"	2"	.040"	4-1/2"	573.91

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MATERIAL HARDNESS (Rc)

35

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