

Series ARC

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



TECH
PAGES
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TOLERANCES

d_1	$+0.000" - .002" (+.000 - .050\text{mm})$
d_2	$h6$
d_3	$+0.000" - .005" (+.000 - .127\text{mm})$

Recommended for aluminum and non-ferrous materials

Aluminum Knuckle Rougher / Ripper

Bright Finish

Solid submicron grain carbide end mill - center cutting

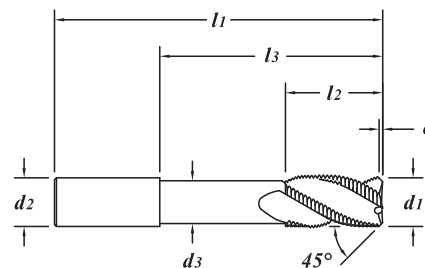
Wave knuckle design to break up chips

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



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
	Decimal	Metric						
46219	.1575	4.000	6.0	50	8	0.30	-	-
46222	.1575	4.000	6.0	50	12	0.30	-	-
46225	.1575	4.000	6.0	65	10	0.30	30	3.2
46228	.1575	4.000	6.0	75	15	0.30	40	3.2
46231	.1875	3/16"	4.763	2"	5/16"	.015"	-	-
46234	.1875	3/16"	4.763	2"	9/16"	.015"	-	-
46237	.1875	3/16"	4.763	3"	1"	.015"	-	-
46240	.1875	3/16"	4.763	3"	1/2"	.015"	1-1/2"	.160"
46243	.2362	6.000	6.0	50	12	0.50	-	-
46246	.2362	6.000	6.0	65	19	0.50	-	-
46249	.2362	6.000	6.0	100	20	0.50	60	5.2
46252	.2500	1/4"	6.350	2"	3/8"	.020"	-	-
46255	.2500	1/4"	6.350	2-1/2"	3/4"	.020"	-	-
46258	.2500	1/4"	6.350	4"	1-1/2"	.020"	-	-
46261	.2500	1/4"	6.350	4"	1"	.020"	2"	.220"
46264	.3125	5/16"	7.938	2"	7/16"	.020"	-	-
46267	.3125	5/16"	7.938	2-1/2"	13/16"	.020"	-	-
46270	.3125	5/16"	7.938	4"	1-1/2"	.020"	-	-
46273	.3125	5/16"	7.938	4"	1"	.020"	2"	.285"
46276	.3150	8.000	8.0	50	12	0.50	-	-
46279	.3150	8.000	8.0	65	22	0.50	-	-
46282	.3150	8.000	8.0	100	40	0.50	-	-
46285	.3150	8.000	8.0	100	20	0.50	60	7.2
46288	.3150	8.000	8.0	150	40	0.50	100	7.2
46291	.3750	3/8"	9.525	2"	1/2"	.025"	-	-
46294	.3750	3/8"	9.525	2-1/2"	7/8"	.025"	-	-
46297	.3750	3/8"	9.525	3"	1-1/4"	.025"	-	-
46300	.3750	3/8"	9.525	4"	1-5/8"	.025"	-	-
46303	.3750	3/8"	9.525	4"	1"	.025"	2"	.345"
46306	.3750	3/8"	9.525	6"	1-1/2"	.025"	4"	.345"

MATERIAL HARDNESS (Rc)

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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
	Decimal	Metric						
46309	.3937	10.000	10.0	50	16	0.50	-	-
46312	.3937	10.000	10.0	70	22	0.50	-	-
46315	.3937	10.000	10.0	100	40	0.50	-	-
46318	.3937	10.000	10.0	100	20	0.50	60	9.2
46321	.3937	10.000	10.0	150	40	0.50	100	9.2
46324	.4724	12.000	12.0	65	19	0.80	-	-
46327	.4724	12.000	12.0	75	32	0.80	-	-
46330	.4724	12.000	12.0	100	50	0.80	-	-
46333	.4724	12.000	12.0	100	25	0.80	60	11.2
46336	.4724	12.000	12.0	150	40	0.80	100	11.2
46339	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.030"	-
46342	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.030"	-
46345	.5000	1/2"	12.700	1/2"	4"	2"	.030"	-
46348	.5000	1/2"	12.700	1/2"	4"	1"	.030"	2"
46351	.5000	1/2"	12.700	1/2"	6"	1-1/2"	.030"	4"
46354	.6250	5/8"	15.875	5/8"	3"	3/4"	.035"	-
46357	.6250	5/8"	15.875	5/8"	3-1/2"	1-1/4"	.035"	-
46360	.6250	5/8"	15.875	5/8"	4"	1-5/8"	.035"	-
46363	.6250	5/8"	15.875	5/8"	4"	1"	.035"	2"
46366	.6250	5/8"	15.875	5/8"	6"	1-1/2"	.035"	3"
46369	.6250	5/8"	15.875	5/8"	6"	1-1/2"	.035"	4"
46372	.6299	16.000	16.0	75	19	1.00	-	-
46375	.6299	16.000	16.0	88	32	1.00	-	-
46378	.6299	16.000	16.0	100	50	1.00	-	-
46381	.6299	16.000	16.0	100	20	1.00	50	15.2
46384	.6299	16.000	16.0	150	40	1.00	100	15.2
46387	.7500	3/4"	19.050	3/4"	4"	1-5/8"	.040"	-
46390	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.040"	-
46393	.7500	3/4"	19.050	3/4"	4"	7/8"	.040"	2"
46396	.7500	3/4"	19.050	3/4"	6"	1-1/2"	.040"	3"
46399	.7500	3/4"	19.050	3/4"	6"	1-1/2"	.040"	4"
46402	.7874	20.000	20.0	100	22	1.00	-	-
46405	.7874	20.000	20.0	100	40	1.00	-	-
46408	.7874	20.000	20.0	100	30	1.00	50	19.2
46411	.7874	20.000	20.0	150	40	1.00	100	19.2
46414	1.000	1"	25.400	1"	4"	1-1/2"	.040"	-
46417	1.000	1"	25.400	1"	5"	2"	.040"	-
46420	1.000	1"	25.400	1"	6"	2"	.040"	3-1/2"
46423	1.000	1"	25.400	1"	7"	2"	.040"	4-1/2"

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