

TOLERANCES	
$d1$	+0.000" -0.001" (+0.000mm -0.025mm)
$d2$	h6
$r$	+0.001" -0.001" (+0.025 -0.025mm)

.1575" - .2500"  
(4.000mm - 6.350mm)

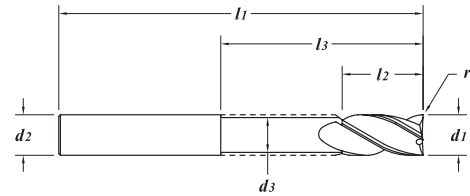
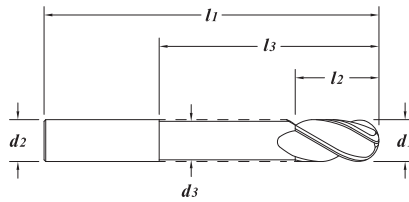


TECH PAGES  
286-288

Recommended for aluminum

**Variable Helix End Mill**

Solid submicron grain carbide end mill - center cutting  
 Engineered for High Efficiency Milling of Aluminum  
 Proprietary geometry with polished flutes breaks up harmonics  
 Improved end geometry provides superior floor finishes and increased plunge rates  
 Capable of running up to 40,000 RPM - reduces vibration and balance issues  
 Chip splitters and necks can be added within 48 hours



MATERIAL HARDNESS (Rc)

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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											
07000	.1575	4.000	6.0	50	12	-	16	3.80	26.47	25.32	24.17	23.02	
07001	.1575	4.000	6.0	50	12	0.20	16	3.80	30.18	28.86	27.55	26.24	
07002	.1575	4.000	6.0	50	12	0.50	16	3.80	30.18	28.86	27.55	26.24	
07003	.1575	4.000	6.0	50	12	1.00	16	3.80	30.18	28.86	27.55	26.24	
07004	.1875	3/16"	4.763	3/16"	2"	1/2"	-	5/8"	.179"	19.17	18.34	17.50	16.67
07005	.1875	3/16"	4.763	3/16"	2"	1/2"	.015"	5/8"	.179"	21.60	20.66	19.72	18.78
07006	.1875	3/16"	4.763	3/16"	2"	1/2"	.030"	5/8"	.179"	21.60	20.66	19.72	18.78
07007	.1875	3/16"	4.763	3/16"	2"	1/2"	.060"	5/8"	.179"	21.60	20.66	19.72	18.78
07008	.1875	3/16"	4.763	3/16"	2"	1/2"	BALL	5/8"	.179"	21.60	20.66	19.72	18.78
07009	.1969	5.000	6.0	65	16	-	26	4.70	26.88	25.71	24.54	23.37	
07010	.1969	5.000	6.0	65	16	0.20	26	4.70	32.06	30.67	29.27	27.88	
07011	.1969	5.000	6.0	65	16	0.50	26	4.70	32.06	30.67	29.27	27.88	
<b>NEW</b> 07012	.1969	5.000	6.0	65	16	1.00	26	4.70	32.06	30.67	29.27	27.88	
07013	.2362	6.000	6.0	65	19	-	26	5.70	25.79	24.67	23.55	22.43	
07014	.2362	6.000	6.0	65	19	0.20	26	5.70	30.74	29.40	28.07	26.73	
07015	.2362	6.000	6.0	65	19	0.50	26	5.70	30.74	29.40	28.07	26.73	
07016	.2362	6.000	6.0	65	19	1.00	26	5.70	30.74	29.40	28.07	26.73	
07017	.2362	6.000	6.0	65	19	1.50	26	5.70	30.74	29.40	28.07	26.73	
07018	.2362	6.000	6.0	65	19	2.00	26	5.70	30.74	29.40	28.07	26.73	
07019	.2362	6.000	6.0	65	19	BALL	26	5.70	30.74	29.40	28.07	26.73	
07020	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	-	-	19.45	18.60	17.76	16.91	
07021	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	.015"	-	24.15	23.10	22.05	21.00	
07022	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	.030"	-	24.15	23.10	22.05	21.00	
07023	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	.060"	-	24.15	23.10	22.05	21.00	
07024	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	.090"	-	24.15	23.10	22.05	21.00	
07025	.2500	1/4"	6.350	1/4"	2-1/2"	3/4"	BALL	-	24.15	23.10	22.05	21.00	
07026	.2500	1/4"	6.350	1/4"	3"	1"	-	-	33.28	31.83	30.39	28.94	
07027	.2500	1/4"	6.350	1/4"	3"	1"	.030"	-	39.11	37.41	35.71	34.01	
07028	.2500	1/4"	6.350	1/4"	3"	1"	.060"	-	39.11	37.41	35.71	34.01	
07029	.2500	1/4"	6.350	1/4"	3"	3/8"	-	1-1/8"	.235"	38.66	36.98	35.30	33.62
07030	.2500	1/4"	6.350	1/4"	3"	3/8"	.015"	1-1/8"	.235"	44.49	42.56	40.62	38.69
07031	.2500	1/4"	6.350	1/4"	3"	3/8"	.030"	1-1/8"	.235"	44.49	42.56	40.62	38.69
07032	.2500	1/4"	6.350	1/4"	3"	3/8"	.060"	1-1/8"	.235"	44.49	42.56	40.62	38.69

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											
07033	.3150	8.000	8.0	65	19	-	26	7.40	34.49	32.99	31.49	29.99	
07034	.3150	8.000	8.0	65	19	0.20	26	7.40	38.99	37.29	35.60	33.90	
07035	.3150	8.000	8.0	65	19	0.50	26	7.40	38.99	37.29	35.60	33.90	
07036	.3150	8.000	8.0	65	19	1.00	26	7.40	38.99	37.29	35.60	33.90	
07037	.3150	8.000	8.0	65	19	1.50	26	7.40	38.99	37.29	35.60	33.90	
07038	.3150	8.000	8.0	65	19	2.00	26	7.40	38.99	37.29	35.60	33.90	
07039	.3150	8.000	8.0	65	19	3.00	26	7.40	38.99	37.29	35.60	33.90	
07040	.3150	8.000	8.0	65	19	BALL	26	7.40	38.99	37.29	35.60	33.90	
07041	.3750	3/8"	9.525	3/8"	2-1/2"	1"	-	-	33.68	32.22	30.75	29.29	
07042	.3750	3/8"	9.525	3/8"	2-1/2"	1"	.010"	-	38.32	36.65	34.99	33.32	
07043	.3750	3/8"	9.525	3/8"	2-1/2"	1"	.015"	-	38.32	36.65	34.99	33.32	
07044	.3750	3/8"	9.525	3/8"	2-1/2"	1"	.020"	-	38.32	36.65	34.99	33.32	
07045	.3750	3/8"	9.525	3/8"	2-1/2"	1"	.030"	-	38.32	36.65	34.99	33.32	
07046	.3750	3/8"	9.525	3/8"	2-1/2"	1"	.060"	-	38.32	36.65	34.99	33.32	
07047	.3750	3/8"	9.525	3/8"	2-1/2"	1"	.090"	-	38.32	36.65	34.99	33.32	
07048	.3750	3/8"	9.525	3/8"	2-1/2"	1"	.120"	-	38.32	36.65	34.99	33.32	
07049	.3750	3/8"	9.525	3/8"	2-1/2"	1"	BALL	-	38.32	36.65	34.99	33.32	
07050	.3750	3/8"	9.525	3/8"	3"	1-1/4"	-	-	46.39	44.37	42.36	40.34	
07051	.3750	3/8"	9.525	3/8"	3"	1-1/4"	.015"	-	52.38	50.11	47.83	45.55	
07052	.3750	3/8"	9.525	3/8"	3"	1-1/4"	.030"	-	52.38	50.11	47.83	45.55	
07053	.3750	3/8"	9.525	3/8"	3"	1-1/4"	.060"	-	52.38	50.11	47.83	45.55	
07054	.3750	3/8"	9.525	3/8"	3"	1-1/4"	.120"	-	52.38	50.11	47.83	45.55	
07055	.3750	3/8"	9.525	3/8"	3"	1/2"	-	1-1/8"	.355"	51.77	49.52	47.27	45.02
07056	.3750	3/8"	9.525	3/8"	3"	1/2"	.015"	1-1/8"	.355"	57.76	55.25	52.74	50.23
<b>NEW</b> 07057	.3750	3/8"	9.525	3/8"	3"	1/2"	.030"	1-1/8"	.355"	57.76	55.25	52.74	50.23
07058	.3750	3/8"	9.525	3/8"	3"	1/2"	.060"	1-1/8"	.355"	57.76	55.25	52.74	50.23
07059	.3750	3/8"	9.525	3/8"	3"	1/2"	.090"	1-1/8"	.355"	57.76	55.25	52.74	50.23
07060	.3750	3/8"	9.525	3/8"	3"	1/2"	.120"	1-1/8"	.355"	57.76	55.25	52.74	50.23
07061	.3750	3/8"	9.525	3/8"	4"	1/2"	-	2-1/8"	.355"	62.47	59.75	57.04	54.32
07062	.3750	3/8"	9.525	3/8"	4"	1/2"	.015"	2-1/8"	.355"	71.20	68.10	65.01	61.91
<b>NEW</b> 07063	.3750	3/8"	9.525	3/8"	4"	1/2"	.020"	2-1/8"	.355"	71.20	68.10	65.01	61.91
07064	.3750	3/8"	9.525	3/8"	4"	1/2"	.030"	2-1/8"	.355"	71.20	68.10	65.01	61.91
07065	.3750	3/8"	9.525	3/8"	4"	1/2"	.060"	2-1/8"	.355"	71.20	68.10	65.01	61.91
07066	.3750	3/8"	9.525	3/8"	4"	1/2"	.090"	2-1/8"	.355"	71.20	68.10	65.01	61.91
07067	.3750	3/8"	9.525	3/8"	4"	1/2"	.120"	2-1/8"	.355"	71.20	68.10	65.01	61.91
07068	.3937	10.000	10.0	70	22	-	30	9.40	64.87	62.05	59.23	56.41	
07069	.3937	10.000	10.0	70	22	0.20	30	9.40	64.87	62.05	59.23	56.41	
07070	.3937	10.000	10.0	70	22	0.50	30	9.40	64.87	62.05	59.23	56.41	
07071	.3937	10.000	10.0	70	22	1.00	30	9.40	64.87	62.05	59.23	56.41	
07072	.3937	10.000	10.0	70	22	1.50	30	9.40	64.87	62.05	59.23	56.41	
07073	.3937	10.000	10.0	70	22	2.00	30	9.40	64.87	62.05	59.23	56.41	
07074	.3937	10.000	10.0	70	22	3.00	30	9.40	64.87	62.05	59.23	56.41	
07075	.3937	10.000	10.0	70	22	BALL	30	9.40	64.87	62.05	59.23	56.41	
07076	.3937	10.000	10.0	100	40	-	-	-	65.50	62.66	59.81	56.96	
07077	.3937	10.000	10.0	100	22	-	55	9.40	76.82	73.48	70.14	66.80	
07078	.4724	12.000	12.0	88	26	-	38	11.40	98.46	94.18	89.90	85.62	
07079	.4724	12.000	12.0	88	26	0.20	38	11.40	98.46	94.18	89.90	85.62	
07212	.4724	12.000	12.0	88	26	0.50	38	11.40	98.46	94.18	89.90	85.62	
07081	.4724	12.000	12.0	88	26	1.00	38	11.40	98.46	94.18	89.90	85.62	
07082	.4724	12.000	12.0	88	26	1.50	38	11.40	98.46	94.18	89.90	85.62	
07083	.4724	12.000	12.0	88	26	2.00	38	11.40	98.46	94.18	89.90	85.62	
07084	.4724	12.000	12.0	88	26	3.00	38	11.40	98.46	94.18	89.90	85.62	
07085	.4724	12.000	12.0	88	26	4.00	38	11.40	98.46	94.18	89.90	85.62	
07086	.4724	12.000	12.0	88	26	BALL	38	11.40	98.46	94.18	89.90	85.62	

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MATERIAL HARDNESS (RC)

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continued →

## Series A3 (continued)

.4724" - .6250"  
(12.000mm - 15.875mm)

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											
07213	.4724	12.000	12.0	88	36	-	-	-	77.34	73.98	70.61	67.25	
07088	.4724	12.000	12.0	88	36	0.20	-	-	92.97	88.92	84.88	80.84	
07089	.4724	12.000	12.0	88	36	0.50	-	-	92.97	88.92	84.88	80.84	
07090	.4724	12.000	12.0	88	36	1.00	-	-	92.97	88.92	84.88	80.84	
07091	.4724	12.000	12.0	88	36	1.50	-	-	92.97	88.92	84.88	80.84	
07092	.4724	12.000	12.0	88	36	2.00	-	-	92.97	88.92	84.88	80.84	
07093	.4724	12.000	12.0	88	36	3.00	-	-	92.97	88.92	84.88	80.84	
07094	.4724	12.000	12.0	88	36	4.00	-	-	92.97	88.92	84.88	80.84	
07095	.4724	12.000	12.0	88	36	BALL	-	-	92.97	88.92	84.88	80.84	
NEW 07215	.5000	1/2"	12.700	1/2"	3"	1"	-	-	55.26	52.86	50.45	48.05	
NEW 07216	.5000	1/2"	12.700	1/2"	3"	1"	.030"	-	72.55	69.40	66.24	63.09	
NEW 07217	.5000	1/2"	12.700	1/2"	3"	1"	BALL	-	72.55	69.40	66.24	63.09	
07096	.5000	1/2"	12.700	1/2"	3"	1-1/4"	-	-	55.26	52.86	50.45	48.05	
07097	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.010"	-	72.55	69.40	66.24	63.09	
07098	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.015"	-	72.55	69.40	66.24	63.09	
07099	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.020"	-	72.55	69.40	66.24	63.09	
07100	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.030"	-	72.55	69.40	66.24	63.09	
07101	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.060"	-	72.55	69.40	66.24	63.09	
07102	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.090"	-	72.55	69.40	66.24	63.09	
07103	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.120"	-	72.55	69.40	66.24	63.09	
NEW 07218	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.125"	-	72.55	69.40	66.24	63.09	
07104	.5000	1/2"	12.700	1/2"	3"	1-1/4"	.190"	-	72.55	69.40	66.24	63.09	
07105	.5000	1/2"	12.700	1/2"	3"	1-1/4"	BALL	-	72.55	69.40	66.24	63.09	
NEW 07219	.5000	1/2"	12.700	1/2"	3"	1/2"	.030"	1-1/2"	.470"	77.94	74.55	71.16	67.77
NEW 07220	.5000	1/2"	12.700	1/2"	3"	1/2"	.090"	1-1/2"	.470"	77.94	74.55	71.16	67.77
NEW 07221	.5000	1/2"	12.700	1/2"	4"	1-5/8"	-	-	74.88	71.62	68.37	65.11	
NEW 07222	.5000	1/2"	12.700	1/2"	4"	1-5/8"	.030"	-	84.31	80.64	76.98	73.31	
NEW 07223	.5000	1/2"	12.700	1/2"	4"	1-5/8"	BALL	-	84.31	80.64	76.98	73.31	
07106	.5000	1/2"	12.700	1/2"	4"	2-1/16"	-	-	74.88	71.62	68.37	65.11	
07107	.5000	1/2"	12.700	1/2"	4"	2-1/16"	.015"	-	84.31	80.64	76.98	73.31	
07108	.5000	1/2"	12.700	1/2"	4"	2-1/16"	.030"	-	84.31	80.64	76.98	73.31	
07109	.5000	1/2"	12.700	1/2"	4"	2-1/16"	.060"	-	84.31	80.64	76.98	73.31	
07110	.5000	1/2"	12.700	1/2"	4"	2-1/16"	.120"	-	84.31	80.64	76.98	73.31	
NEW 07224	.5000	1/2"	12.700	1/2"	4"	1/2"	.090"	2"	.470"	95.60	91.44	87.29	83.13
NEW 07225	.5000	1/2"	12.700	1/2"	4"	1/2"	.190"	2"	.470"	95.60	91.44	87.29	83.13
07111	.5000	1/2"	12.700	1/2"	4"	5/8"	-	2-1/4"	.475"	86.18	82.43	78.69	74.94
07112	.5000	1/2"	12.700	1/2"	4"	5/8"	.015"	2-1/4"	.475"	95.60	91.44	87.29	83.13
07113	.5000	1/2"	12.700	1/2"	4"	5/8"	.030"	2-1/4"	.475"	95.60	91.44	87.29	83.13
07114	.5000	1/2"	12.700	1/2"	4"	5/8"	.060"	2-1/4"	.475"	95.60	91.44	87.29	83.13
07115	.5000	1/2"	12.700	1/2"	4"	5/8"	BALL	2-1/4"	.475"	95.60	91.44	87.29	83.13
07116	.6250	5/8"	15.875	5/8"	4"	1-5/8"	-	-	118.96	113.78	108.61	103.44	
07214	.6250	5/8"	15.875	5/8"	4"	1-5/8"	.030"	-	130.38	124.71	119.04	113.37	
07118	.6250	5/8"	15.875	5/8"	4"	1-5/8"	.060"	-	130.38	124.71	119.04	113.37	
NEW 07119	.6250	5/8"	15.875	5/8"	4"	1-5/8"	.090"	-	130.38	124.71	119.04	113.37	
07120	.6250	5/8"	15.875	5/8"	4"	1-5/8"	.120"	-	130.38	124.71	119.04	113.37	
07121	.6250	5/8"	15.875	5/8"	4"	3/4"	-	2-3/8"	.590"	129.72	124.08	118.44	112.80
07122	.6250	5/8"	15.875	5/8"	4"	3/4"	.030"	2-3/8"	.590"	141.14	135.00	128.87	122.73
NEW 07123	.6250	5/8"	15.875	5/8"	4"	3/4"	.060"	2-3/8"	.590"	141.14	135.00	128.87	122.73
07124	.6250	5/8"	15.875	5/8"	4"	3/4"	.120"	2-3/8"	.590"	141.14	135.00	128.87	122.73
07125	.6250	5/8"	15.875	5/8"	4"	3/4"	.190"	2-3/8"	.590"	141.14	135.00	128.87	122.73

MATERIAL HARDNESS (Rc)

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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											
07126	.6299	16.000	16.0	100	24	-	50	15.40	131.93	126.19	120.46	114.72	
07127	.6299	16.000	16.0	100	24	0.50	50	15.40	144.00	137.74	131.48	125.22	
07128	.6299	16.000	16.0	100	24	1.00	50	15.40	144.00	137.74	131.48	125.22	
NEW 07129	.6299	16.000	16.0	100	24	1.50	50	15.40	144.00	137.74	131.48	125.22	
NEW 07130	.6299	16.000	16.0	100	24	3.00	50	15.40	144.00	137.74	131.48	125.22	
NEW 07131	.6299	16.000	16.0	100	24	6.00	50	15.40	144.00	137.74	131.48	125.22	
07132	.6299	16.000	16.0	100	32	-	50	15.40	131.93	126.19	120.46	114.72	
07133	.6299	16.000	16.0	100	32	0.50	50	15.40	144.00	137.74	131.48	125.22	
07134	.6299	16.000	16.0	100	32	1.00	50	15.40	144.00	137.74	131.48	125.22	
07135	.6299	16.000	16.0	100	32	1.50	50	15.40	144.00	137.74	131.48	125.22	
07136	.6299	16.000	16.0	100	32	3.00	50	15.40	144.00	137.74	131.48	125.22	
NEW 07137	.6299	16.000	16.0	100	32	6.00	50	15.40	144.00	137.74	131.48	125.22	
07138	.7500	3/4"	19.050	3/4"	4"	1-3/4"	-	-	153.73	147.05	140.36	133.68	
07139	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.015"	-	171.15	163.71	156.27	148.83	
NEW 07140	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.030"	-	171.15	163.71	156.27	148.83	
07141	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.060"	-	171.15	163.71	156.27	148.83	
07142	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.078"	-	171.15	163.71	156.27	148.83	
NEW 07143	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.094"	-	171.15	163.71	156.27	148.83	
07144	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.120"	-	171.15	163.71	156.27	148.83	
07145	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.156"	-	171.15	163.71	156.27	148.83	
07146	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.190"	-	171.15	163.71	156.27	148.83	
07147	.7500	3/4"	19.050	3/4"	4"	1-3/4"	.250"	-	171.15	163.71	156.27	148.83	
07148	.7500	3/4"	19.050	3/4"	4"	1-3/4"	BALL	-	171.15	163.71	156.27	148.83	
07149	.7500	3/4"	19.050	3/4"	4"	1"	-	2"	.715"	159.11	152.20	145.28	138.36
07150	.7500	3/4"	19.050	3/4"	4"	1"	.030"	2"	.715"	176.54	168.86	161.19	153.51
07151	.7500	3/4"	19.050	3/4"	4"	1"	.060"	2"	.715"	176.54	168.86	161.19	153.51
07152	.7500	3/4"	19.050	3/4"	4"	1"	.090"	2"	.715"	176.54	168.86	161.19	153.51
07153	.7500	3/4"	19.050	3/4"	4"	1"	.120"	2"	.715"	176.54	168.86	161.19	153.51
07154	.7500	3/4"	19.050	3/4"	4"	1"	.125"	2"	.715"	176.54	168.86	161.19	153.51
NEW 07155	.7500	3/4"	19.050	3/4"	4"	1"	.160"	2"	.715"	176.54	168.86	161.19	153.51
NEW 07156	.7500	3/4"	19.050	3/4"	4"	1"	.190"	2"	.715"	176.54	168.86	161.19	153.51
NEW 07157	.7500	3/4"	19.050	3/4"	5"	2-1/4"	-	-	204.76	195.86	186.95	178.05	
07158	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.030"	-	237.72	227.38	217.05	206.71	
07159	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.060"	-	237.72	227.38	217.05	206.71	
07160	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.120"	-	237.72	227.38	217.05	206.71	
07161	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.125"	-	237.72	227.38	217.05	206.71	
07162	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.190"	-	237.72	227.38	217.05	206.71	
07163	.7500	3/4"	19.050	3/4"	5"	2-1/4"	.250"	-	237.72	227.38	217.05	206.71	
NEW 07226	.7500	3/4"	19.050	3/4"	6"	3-1/4"	-	-	208.14	199.09	190.04	180.99	
07164	.7500	3/4"	19.050	3/4"	6"	1"	-	3-3/8"	.715"	221.43	211.81	202.18	192.55
07165	.7500	3/4"	19.050	3/4"	6"	1"	.030"	3-3/8"	.715"	257.04	245.86	234.69	223.51
07166	.7500	3/4"	19.050	3/4"	6"	1"	.060"	3-3/8"	.715"	257.04	245.86	234.69	223.51
07167	.7500	3/4"	19.050	3/4"	6"	1"	.090"	3-3/8"	.715"	257.04	245.86	234.69	223.51
07168	.7500	3/4"	19.050	3/4"	6"	1"	.125"	3-3/8"	.715"	257.04	245.86	234.69	223.51
07169	.7500	3/4"	19.050	3/4"	6"	1"	.250"	3-3/8"	.715"	257.04	245.86	234.69	223.51
07170	.7500	3/4"	19.050	3/4"	6"	1"	BALL	3-3/8"	.715"	257.04	245.86	234.69	223.51

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MATERIAL HARDNESS (RC)

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continued →

## Series A3 (continued)

.7874" - 1.000"  
(20.000mm - 25.400mm)

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											
07171	.7874	20.000	20.0	100	30	-	50	19.4	211.11	201.93	192.75	183.57	
07172	.7874	20.000	20.0	100	30	0.50	50	19.4	246.50	235.79	225.07	214.35	
07173	.7874	20.000	20.0	100	30	1.00	50	19.4	246.50	235.79	225.07	214.35	
07174	.7874	20.000	20.0	100	30	1.50	50	19.4	246.50	235.79	225.07	214.35	
07175	.7874	20.000	20.0	100	30	3.00	50	19.4	246.50	235.79	225.07	214.35	
07176	.7874	20.000	20.0	100	30	4.00	50	19.4	246.50	235.79	225.07	214.35	
07177	.7874	20.000	20.0	100	30	5.00	50	19.4	246.50	235.79	225.07	214.35	
07178	.7874	20.000	20.0	100	30	6.00	50	19.4	246.50	235.79	225.07	214.35	
07179	.7874	20.000	20.0	100	30	8.00	50	19.4	246.50	235.79	225.07	214.35	
07180	.7874	20.000	20.0	150	30	-	100	19.40	264.83	253.32	241.80	230.29	
07181	.7874	20.000	20.0	150	30	0.50	100	19.40	328.35	314.07	299.80	285.52	
07182	.7874	20.000	20.0	150	30	1.00	100	19.40	328.35	314.07	299.80	285.52	
NEW 07183	.7874	20.000	20.0	150	30	1.50	100	19.40	328.35	314.07	299.80	285.52	
NEW 07184	.7874	20.000	20.0	150	30	3.00	100	19.40	328.35	314.07	299.80	285.52	
NEW 07185	.7874	20.000	20.0	150	30	4.00	100	19.40	328.35	314.07	299.80	285.52	
07186	.7874	20.000	20.0	150	30	5.00	100	19.40	328.35	314.07	299.80	285.52	
NEW 07187	.7874	20.000	20.0	150	30	6.00	100	19.40	328.35	314.07	299.80	285.52	
NEW 07188	.7874	20.000	20.0	150	30	8.00	100	19.40	328.35	314.07	299.80	285.52	
07189	1.000	1"	25.400	1"	4"	1-1/4"	-	2"	.950"	235.57	225.32	215.08	204.84
NEW 07190	1.000	1"	25.400	1"	4"	1-1/4"	.060"	2"	.950"	301.55	288.44	275.33	262.22
07191	1.000	1"	25.400	1"	4-1/2"	1-1/4"	-	2-1/2"	.950"	267.19	255.57	243.96	232.34
07192	1.000	1"	25.400	1"	4-1/2"	1-1/4"	.030"	2-1/2"	.950"	340.45	325.64	310.84	296.04
07193	1.000	1"	25.400	1"	4-1/2"	1-1/4"	.060"	2-1/2"	.950"	340.45	325.64	310.84	296.04
07194	1.000	1"	25.400	1"	4-1/2"	1-1/4"	.120"	2-1/2"	.950"	340.45	325.64	310.84	296.04
07195	1.000	1"	25.400	1"	4-1/2"	1-1/4"	.125"	2-1/2"	.950"	340.45	325.64	310.84	296.04
NEW 07196	1.000	1"	25.400	1"	5"	1"	-	2-5/8"	.950"	294.29	281.49	268.70	255.90
NEW 07197	1.000	1"	25.400	1"	5"	1"	.030"	2-5/8"	.950"	375.05	358.74	342.44	326.13
NEW 07198	1.000	1"	25.400	1"	5"	1"	.060"	2-5/8"	.950"	375.05	358.74	342.44	326.13
NEW 07199	1.000	1"	25.400	1"	5"	1"	.125"	2-5/8"	.950"	375.05	358.74	342.44	326.13
NEW 07200	1.000	1"	25.400	1"	5"	1"	.250"	2-5/8"	.950"	375.05	358.74	342.44	326.13
NEW 07201	1.000	1"	25.400	1"	5"	1"	BALL	2-5/8"	.950"	375.05	358.74	342.44	326.13
07202	1.000	1"	25.400	1"	5"	2-1/4"	-	-	-	283.52	271.19	258.87	246.54
07203	1.000	1"	25.400	1"	5"	2-1/4"	.030"	-	-	364.29	348.45	332.61	316.77
07204	1.000	1"	25.400	1"	5"	2-1/4"	.060"	-	-	364.29	348.45	332.61	316.77
NEW 07205	1.000	1"	25.400	1"	5"	2-1/4"	.120"	-	-	364.29	348.45	332.61	316.77
NEW 07206	1.000	1"	25.400	1"	5"	2-1/4"	.250"	-	-	364.29	348.45	332.61	316.77
NEW 07207	1.000	1"	25.400	1"	6"	3-1/4"	-	-	-	352.59	337.26	321.93	306.60
NEW 07208	1.000	1"	25.400	1"	6"	3-1/4"	.030"	-	-	413.16	395.20	377.23	359.27
NEW 07209	1.000	1"	25.400	1"	6"	3-1/4"	.060"	-	-	413.16	395.20	377.23	359.27
NEW 07210	1.000	1"	25.400	1"	6"	3-1/4"	.120"	-	-	413.16	395.20	377.23	359.27
07211	1.000	1"	25.400	1"	6"	3-1/4"	.250"	-	-	413.16	395.20	377.23	359.27

MATERIAL HARDNESS (Rc)

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