Series A3

NEW ITEMS

HIGH EFFICIENCY MILLING

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

Z=3 | VAR | TECH PAGES 288-290

TOLERANCES	
d_1	+.000" –.001" (+.000mm –.025mm)
d_2	h6
r	+.001" –.001" (+.025 –.025mm)

Recommended for aluminum

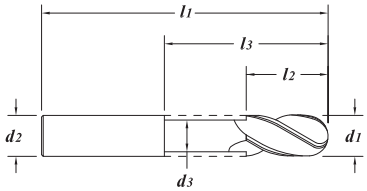
Variable Helix End Mill

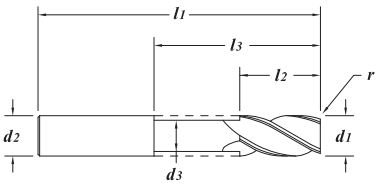
Bright Finish

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)

70
35
0





EDP#	d_1 † Diameter Decimal	Diameter	Metric	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
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
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

† *Metric equivalents are for reference only*

EDP#	d_1 † Diameter Decimal	Diameter	Metric	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
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
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
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	56.49	54.03	51.58	49.12
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	83.40	79.77	76.15	72.52
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

continued →

Series A3 *(continued)*

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

EDP#	d_1 † Diameter Decimal	Diameter	Metric	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
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
07215	.5000	1/2"	12.700	1/2"	3"	1"	-	-	-	55.26	52.86	50.45	48.05
07216	.5000	1/2"	12.700	1/2"	3"	1"	.030"	-	-	72.55	69.40	66.24	63.09
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
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
07219	.5000	1/2"	12.700	1/2"	3"	1/2"	.030"	1-1/2"	.470"	77.94	74.55	71.16	67.77
07220	.5000	1/2"	12.700	1/2"	3"	1/2"	.090"	1-1/2"	.470"	77.94	74.55	71.16	67.77
07221	.5000	1/2"	12.700	1/2"	4"	1-5/8"	-	-	-	74.88	71.62	68.37	65.11
07222	.5000	1/2"	12.700	1/2"	4"	1-5/8"	.030"	-	-	84.31	80.64	76.98	73.31
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
07224	.5000	1/2"	12.700	1/2"	4"	1/2"	.090"	2"	.470"	95.60	91.44	87.29	83.13
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
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)
70
35
0

† *Metric equivalents are for reference only*

EDP#	d_1 † Diameter Decimal	Diameter Metric	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
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
07129	.6299	16.000	16.0	100	24	1.50	50	15.40	144.00	137.74	131.48	125.22
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
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
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
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
07155	.7500	3/4" 19.050	3/4"	4"	1"	.160"	2"	.715"	176.54	168.86	161.19	153.51
07156	.7500	3/4" 19.050	3/4"	4"	1"	.190"	2"	.715"	176.54	168.86	161.19	153.51
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
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

continued →

Series A3 *(continued)*

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

	EDP#	d_1 † Diameter Decimal	Diameter Metric	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
	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
	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
	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
	07198	1.000 1"	25.400	1"	5"	1"	.060"	2-5/8"	.950"	375.05	358.74	342.44	326.13
	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
	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
	07206	1.000 1"	25.400	1"	5"	2-1/4"	.250"	-	-	364.29	348.45	332.61	316.77
	07207	1.000 1"	25.400	1"	6"	3-1/4"	-	-	-	352.59	337.26	321.93	306.60
	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)
70
35
0

† *Metric equivalents are for reference only*