

TOLERANCES	
d1	+0.000" -0.002" (+0.000mm -0.050mm)
d2	h6
r	+0.001" -0.001" (+0.025 -0.025mm)

Recommended for Die Mold applications

Corner Radius

AlTiN Coating

Solid submicron grain carbide end mill - center cutting

For light axial / radial depths of cut

Rigid work holding, machine stability and part integrity are critical!

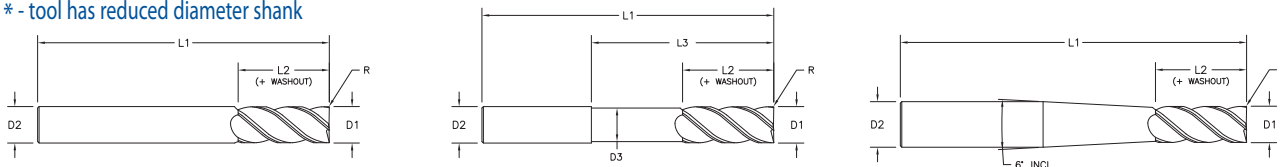
Recommended for high Rockwell materials

Modified reach lengths available within 48 hours



* - tool has 3° blend angle to shank

* - tool has reduced diameter shank



70

35

MATERIAL HARDNESS (Rc)

0

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										
48300	.1181	3.000	6.0	65	3	0.75	15.0	2.80	35.37	33.83	32.29	30.76
48305	.1250	1/8"	3.175	1/8"	3"	1/8"	.015"	-	26.73	25.56	24.40	23.24
48310	.1250	1/8"	3.175	1/8"	3"	1/8"	.030"	-	26.73	25.56	24.40	23.24
48315	.1250	1/8"	3.175	3/16"	2-1/2"	1/8"	.010"	3/4"	31.40	30.03	28.67	27.30
48320	.1250	1/8"	3.175	3/16"	2-1/2"	1/8"	.015"	3/4"	31.40	30.03	28.67	27.30
48325	.1250	1/8"	3.175	3/16"	2-1/2"	1/8"	.020"	3/4"	31.40	30.03	28.67	27.30
* 48330	.1250	1/8"	3.175	3/16"	3"	1/8"	.030"	*	28.65	27.40	26.16	24.91
48335	.1575	4.000	6.0	65	4	1.00	20.0	3.70	33.96	32.48	31.01	29.53
48340	.1875	3/16"	4.763	3/16"	3"	3/16"	.015"	-	30.82	29.48	28.14	26.80
48345	.1875	3/16"	4.763	3/16"	3"	3/16"	.030"	-	30.82	29.48	28.14	26.80
48350	.1875	3/16"	4.763	3/16"	3"	3/16"	.060"	-	30.82	29.48	28.14	26.80
48355	.1875	3/16"	4.763	1/4"	2-1/2"	3/16"	.020"	7/8"	32.99	31.56	30.12	28.69
48360	.1875	3/16"	4.763	1/4"	2-1/2"	3/16"	.030"	7/8"	32.99	31.56	30.12	28.69
48365	.1875	3/16"	4.763	1/4"	2-1/2"	3/16"	.060"	7/8"	32.99	31.56	30.12	28.69
48370	.1875	3/16"	4.763	1/4"	4"	3/16"	.020"	1-1/2"	47.69	45.62	43.54	41.47
48375	.1875	3/16"	4.763	1/4"	4"	3/16"	.030"	1-1/2"	47.69	45.62	43.54	41.47
* 48380	.1875	3/16"	4.763	1/4"	4"	3/16"	.030"	*	47.69	45.62	43.54	41.47
* 48385	.1969	5.000	6.0	100	5	1.20	* 10.0	5.00	49.43	47.28	45.13	42.98
48390	.2362	6.000	6.0	100	6	1.50	30.0	5.70	46.89	44.85	42.81	40.77
48395	.2500	1/4"	6.350	1/4"	3"	1/4"	.015"	-	35.62	34.07	32.52	30.97
48400	.2500	1/4"	6.350	1/4"	3"	1/4"	.030"	-	35.62	34.07	32.52	30.97
48405	.2500	1/4"	6.350	1/4"	3"	1/4"	.060"	-	35.62	34.07	32.52	30.97
* 48410	.2756	7.000	6.0	100	7	1.50	*	-	74.18	70.95	67.73	64.50
48415	.3125	5/16"	7.938	5/16"	2-1/2"	5/16"	.020"	-	32.90	31.47	30.04	28.61
48420	.3125	5/16"	7.938	5/16"	3"	5/16"	.078"	1-5/8"	52.51	50.23	47.94	45.66
48425	.3125	5/16"	7.938	5/16"	3"	5/16"	.094"	1-5/8"	52.51	50.23	47.94	45.66
48430	.3150	8.000	8.0	75	8	2.00	-	-	47.27	45.21	43.16	41.10
48435	.3150	8.000	8.0	100	8	2.00	40.0	7.70	61.31	58.64	55.98	53.31
48440	.3750	3/8"	9.525	3/8"	3"	3/8"	.015"	-	49.94	47.77	45.60	43.43
48445	.3750	3/8"	9.525	3/8"	3"	3/8"	.030"	-	49.94	47.77	45.60	43.43
48450	.3750	3/8"	9.525	3/8"	3"	3/8"	.060"	-	49.94	47.77	45.60	43.43
48455	.3750	3/8"	9.525	3/8"	3"	3/8"	.094"	2.00"	57.07	54.59	52.11	49.63
48460	.3750	3/8"	9.525	3/8"	4"	3/8"	.030"	2-1/2"	63.53	60.76	58.00	55.24
48465	.3750	3/8"	9.525	3/8"	4"	3/8"	.094"	2-1/2"	63.53	60.76	58.00	55.24
48470	.3937	10.000	10.0	100	10	2.00	50.0	9.70	78.43	75.02	71.61	68.20
48475	.4724	12.000	12.0	100	12	3.00	60.0	11.70	87.10	83.31	79.53	75.74
48480	.5000	1/2"	12.700	1/2"	3"	1/2"	.015"	-	64.92	62.10	59.27	56.45
48485	.5000	1/2"	12.700	1/2"	3"	1/2"	.030"	-	64.92	62.10	59.27	56.45
48490	.5000	1/2"	12.700	1/2"	3"	1/2"	.060"	-	64.92	62.10	59.27	56.45
48495	.5000	1/2"	12.700	1/2"	3"	1/2"	.125"	-	64.92	62.10	59.27	56.45
48500	.5000	1/2"	12.700	1/2"	4"	1/2"	.125"	-	76.90	73.56	70.21	66.87