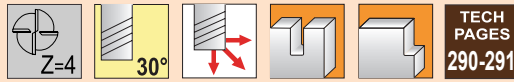


Series 170R, 870R

.0625" - .3150"
(1.588mm - 8.000mm)



TOLERANCES	
d_1	+0.000" - .002" (+.000 - .050mm)
d_2	h6
r	+0.001" - .001" (+.025 - .025mm)

Stub Length - Corner Radius

Solid submicron grain carbide end mill - center cutting

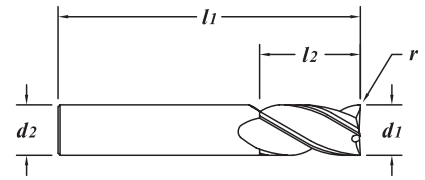
For stronger corners and part radius

Extremely versatile

TiAlN Coating - page 224

Standard Length - page 234

Extended Length - page 253



EDP#	d_1 † Diameter		d_2 Shank Diameter	l_1 Overall Length	l_2 Flute Length	r Corner Radius	LIST PRICE	
	Decimal	Metric						
30701	.0625	1/16"	1.588	1/8"	1-1/2"	1/8"	.010"	9.92
30703	.0625	1/16"	1.588	1/8"	1-1/2"	1/8"	.015"	9.92
30705	.0938	3/32"	2.383	1/8"	1-1/2"	3/16"	.010"	9.36
30707	.0938	3/32"	2.383	1/8"	1-1/2"	3/16"	.015"	9.36
30709	.0938	3/32"	2.383	1/8"	1-1/2"	3/16"	.020"	9.36
30711	.1181		3.000	3.0	38	6	0.20	9.59
30713	.1181		3.000	3.0	38	6	0.50	9.59
30715	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.010"	9.12
30717	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.015"	9.12
30719	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.020"	9.12
30721	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.030"	9.12
30904	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.040"	9.12
30909	.1562	5/32"	3.967	3/16"	2"	5/16"	.015"	12.77
30911	.1562	5/32"	3.967	3/16"	2"	5/16"	.030"	12.77
30913	.1562	5/32"	3.967	3/16"	2"	5/16"	.060"	12.77
30723	.1575		4.000	4.0	50	8	0.30	12.76
30725	.1575		4.000	4.0	50	8	0.50	12.76
30727	.1875	3/16"	4.763	3/16"	2"	3/8"	.010"	12.12
30729	.1875	3/16"	4.763	3/16"	2"	3/8"	.015"	12.12
30731	.1875	3/16"	4.763	3/16"	2"	3/8"	.020"	12.12
30733	.1875	3/16"	4.763	3/16"	2"	3/8"	.030"	12.12
30735	.1969		5.000	5.0	50	10	0.30	15.89
30737	.1969		5.000	5.0	50	10	0.50	15.89
30739	.2362		6.000	6.0	50	12	0.50	16.69
30741	.2362		6.000	6.0	50	12	0.80	16.69
30743	.2362		6.000	6.0	50	12	1.00	16.69
30747	.2362		6.000	6.0	50	12	2.00	16.69
30749	.2500	1/4"	6.350	1/4"	2"	1/2"	.010"	15.82
30751	.2500	1/4"	6.350	1/4"	2"	1/2"	.015"	15.82
30753	.2500	1/4"	6.350	1/4"	2"	1/2"	.020"	15.82
30755	.2500	1/4"	6.350	1/4"	2"	1/2"	.030"	15.82
30757	.2500	1/4"	6.350	1/4"	2"	1/2"	.045"	15.82
30759	.2500	1/4"	6.350	1/4"	2"	1/2"	.060"	15.82
30761	.3125	5/16"	7.938	5/16"	2"	1/2"	.015"	21.64
30763	.3125	5/16"	7.938	5/16"	2"	1/2"	.020"	21.64
30765	.3125	5/16"	7.938	5/16"	2"	1/2"	.030"	21.64
30767	.3125	5/16"	7.938	5/16"	2"	1/2"	.045"	21.64
30769	.3125	5/16"	7.938	5/16"	2"	1/2"	.060"	21.64
30771	.3150		8.000	8.0	50	12	0.50	22.78
30773	.3150		8.000	8.0	50	12	0.80	22.78
30775	.3150		8.000	8.0	50	12	1.00	22.78
30779	.3150		8.000	8.0	50	12	2.00	22.78
30781	.3150		8.000	8.0	50	12	2.50	22.78

MATERIAL HARDNESS (Rc)

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EDP#	$d1$ †		$d2$ Shank Diameter	$l1$ Overall Length	$l2$ Flute Length	r Corner Radius	LIST PRICE	
	Decimal	Diameter						Metric
30785	.3750	3/8"	9.525	3/8"	2"	5/8"	.010"	26.73
30787	.3750	3/8"	9.525	3/8"	2"	5/8"	.015"	26.73
30789	.3750	3/8"	9.525	3/8"	2"	5/8"	.020"	26.73
30791	.3750	3/8"	9.525	3/8"	2"	5/8"	.030"	26.73
30793	.3750	3/8"	9.525	3/8"	2"	5/8"	.045"	26.73
30795	.3750	3/8"	9.525	3/8"	2"	5/8"	.060"	26.73
30799	.3937		10.000	10.0	50	16	0.80	31.10
30801	.3937		10.000	10.0	50	16	1.00	31.10
30803	.3937		10.000	10.0	50	16	1.50	31.10
30805	.3937		10.000	10.0	50	16	2.00	31.10
30807	.3937		10.000	10.0	50	16	2.50	31.10
30809	.3937		10.000	10.0	50	16	3.00	31.10
30811	.3937		10.000	10.0	50	16	3.20	31.10
30813	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.010"	33.07
30815	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.015"	33.07
30817	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.020"	33.07
30819	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.030"	33.07
30821	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.045"	33.07
30823	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.060"	33.07
30825	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.090"	33.07
30827	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.125"	33.07
30829	.4724		12.000	12.0	65	19	0.50	46.39
30831	.4724		12.000	12.0	65	19	0.80	46.39
30835	.4724		12.000	12.0	65	19	1.50	46.39
30837	.4724		12.000	12.0	65	19	2.00	46.39
30839	.4724		12.000	12.0	65	19	2.50	46.39
30841	.4724		12.000	12.0	65	19	3.00	46.39
30843	.4724		12.000	12.0	65	19	3.20	46.39
30845	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.010"	44.09
30847	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.015"	44.09
30849	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.020"	44.09
30851	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.030"	44.09
30853	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.045"	44.09
30855	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.060"	44.09
30857	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.090"	44.09
30859	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.125"	44.09
30861	.6250	5/8"	15.875	5/8"	3"	3/4"	.015"	84.34
30863	.6250	5/8"	15.875	5/8"	3"	3/4"	.020"	84.34
30865	.6250	5/8"	15.875	5/8"	3"	3/4"	.030"	84.34
30867	.6250	5/8"	15.875	5/8"	3"	3/4"	.045"	84.34
30869	.6250	5/8"	15.875	5/8"	3"	3/4"	.060"	84.34
30871	.6250	5/8"	15.875	5/8"	3"	3/4"	.090"	84.34
30875	.6299		16.000	16.0	75	19	1.00	88.74
30877	.6299		16.000	16.0	75	19	2.00	88.74
30879	.6299		16.000	16.0	75	19	2.50	88.74
30881	.6299		16.000	16.0	75	19	3.00	88.74
30883	.6299		16.000	16.0	75	19	4.00	88.74
30885	.6299		16.000	16.0	75	19	5.00	88.74
30887	.7500	3/4"	19.050	3/4"	3"	1"	.015"	121.30
30889	.7500	3/4"	19.050	3/4"	3"	1"	.020"	121.30
30891	.7500	3/4"	19.050	3/4"	3"	1"	.030"	121.30
30895	.7500	3/4"	19.050	3/4"	3"	1"	.060"	121.30
30899	.7500	3/4"	19.050	3/4"	3"	1"	.125"	121.30
30901	.7500	3/4"	19.050	3/4"	3"	1"	.250"	121.30

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MATERIAL HARDNESS (Rc)

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