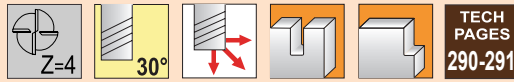


# Series 170RA, 870RA

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



TOLERANCES	
d1	+0.000" - .002" (+.000 - .050mm)
d2	h6
r	+0.001" - .001" (+.025 - .025mm)

## Stub Length - Corner Radius

### TiAlN Coating

Solid submicron grain carbide end mill - center cutting

Dry or semi-dry machining

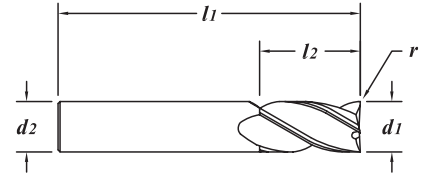
For stronger corners and part radius

Extremely versatile

Bright Finish - page 222

Standard Length - page 237

Extended Length - page 256



EDP#	d1 † Diameter		d2 Shank Diameter	l1 Overall Length	l2 Flute Length	r Corner Radius	LIST PRICE	
	Decimal	Metric						
30702	.0625	1/16"	1.588	1/8"	1-1/2"	1/8"	.010"	12.46
30704	.0625	1/16"	1.588	1/8"	1-1/2"	1/8"	.015"	12.46
30706	.0938	3/32"	2.383	1/8"	1-1/2"	3/16"	.010"	11.91
30708	.0938	3/32"	2.383	1/8"	1-1/2"	3/16"	.015"	11.91
30710	.0938	3/32"	2.383	1/8"	1-1/2"	3/16"	.020"	11.91
30712	.1181		3.000	3.0	38	6	0.20	12.14
30714	.1181		3.000	3.0	38	6	0.50	12.14
30716	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.010"	11.67
30718	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.015"	11.67
30720	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.020"	11.67
30722	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.030"	11.67
30906	.1250	1/8"	3.175	1/8"	1-1/2"	1/4"	.040"	11.67
30910	.1562	5/32"	3.967	3/16"	2"	5/16"	.015"	15.31
30912	.1562	5/32"	3.967	3/16"	2"	5/16"	.030"	15.31
30914	.1562	5/32"	3.967	3/16"	2"	5/16"	.060"	15.31
30724	.1575		4.000	4.0	50	8	0.30	15.30
30726	.1575		4.000	4.0	50	8	0.50	15.30
30728	.1875	3/16"	4.763	3/16"	2"	3/8"	.010"	14.67
30730	.1875	3/16"	4.763	3/16"	2"	3/8"	.015"	14.67
30732	.1875	3/16"	4.763	3/16"	2"	3/8"	.020"	14.67
30734	.1875	3/16"	4.763	3/16"	2"	3/8"	.030"	14.67
30736	.1969		5.000	5.0	50	10	0.30	19.86
30738	.1969		5.000	5.0	50	10	0.50	19.86
24117	.1969		5.000	5.0	50	16	0.30	23.75
30740	.2362		6.000	6.0	50	12	0.50	20.66
30742	.2362		6.000	6.0	50	12	0.80	20.66
30744	.2362		6.000	6.0	50	12	1.00	20.66
30746	.2362		6.000	6.0	50	12	1.50	20.66
30748	.2362		6.000	6.0	50	12	2.00	20.66
30750	.2500	1/4"	6.350	1/4"	2"	1/2"	.010"	19.82
30752	.2500	1/4"	6.350	1/4"	2"	1/2"	.015"	19.82
30754	.2500	1/4"	6.350	1/4"	2"	1/2"	.020"	19.82
30756	.2500	1/4"	6.350	1/4"	2"	1/2"	.030"	19.82
30758	.2500	1/4"	6.350	1/4"	2"	1/2"	.045"	19.82
30760	.2500	1/4"	6.350	1/4"	2"	1/2"	.060"	19.82
30762	.3125	5/16"	7.938	5/16"	2"	1/2"	.015"	27.32
30764	.3125	5/16"	7.938	5/16"	2"	1/2"	.020"	27.32
30766	.3125	5/16"	7.938	5/16"	2"	1/2"	.030"	27.32
30768	.3125	5/16"	7.938	5/16"	2"	1/2"	.045"	27.32
30770	.3125	5/16"	7.938	5/16"	2"	1/2"	.060"	27.32
30772	.3150		8.000	8.0	50	12	0.50	28.46
30774	.3150		8.000	8.0	50	12	0.80	28.46
30776	.3150		8.000	8.0	50	12	1.00	28.46
30778	.3150		8.000	8.0	50	12	1.50	28.46
30780	.3150		8.000	8.0	50	12	2.00	28.46
30782	.3150		8.000	8.0	50	12	2.50	28.46

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MATERIAL HARDNESS (Rc)

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EDP#	<i>d1</i> †		<i>d2</i> Shank Diameter	<i>l1</i> Overall Length	<i>l2</i> Flute Length	<i>r</i> Corner Radius	LIST PRICE	
	Decimal	Diameter						Metric
30786	.3750	3/8"	9.525	3/8"	2"	5/8"	.010"	32.41
30788	.3750	3/8"	9.525	3/8"	2"	5/8"	.015"	32.41
30790	.3750	3/8"	9.525	3/8"	2"	5/8"	.020"	32.41
30792	.3750	3/8"	9.525	3/8"	2"	5/8"	.030"	32.41
30794	.3750	3/8"	9.525	3/8"	2"	5/8"	.045"	32.41
30796	.3750	3/8"	9.525	3/8"	2"	5/8"	.060"	32.41
30798	.3937		10.000	10.0	50	16	0.50	37.53
30800	.3937		10.000	10.0	50	16	0.80	37.53
30802	.3937		10.000	10.0	50	16	1.00	37.53
30804	.3937		10.000	10.0	50	16	1.50	37.53
30806	.3937		10.000	10.0	50	16	2.00	37.53
30808	.3937		10.000	10.0	50	16	2.50	37.53
30810	.3937		10.000	10.0	50	16	3.00	37.53
30812	.3937		10.000	10.0	50	16	3.20	37.53
30814	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.010"	42.03
30816	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.015"	42.03
30820	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.030"	42.03
30822	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.045"	42.03
30824	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.060"	42.03
30828	.4375	7/16"	11.113	7/16"	2-1/2"	5/8"	.125"	42.03
30830	.4724		12.000	12.0	65	19	0.50	55.36
30832	.4724		12.000	12.0	65	19	0.80	55.36
30834	.4724		12.000	12.0	65	19	1.00	55.36
30836	.4724		12.000	12.0	65	19	1.50	55.36
30838	.4724		12.000	12.0	65	19	2.00	55.36
30840	.4724		12.000	12.0	65	19	2.50	55.36
30844	.4724		12.000	12.0	65	19	3.20	55.36
30846	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.010"	53.04
30848	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.015"	53.04
30850	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.020"	53.04
30852	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.030"	53.04
30854	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.045"	53.04
30856	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.060"	53.04
30858	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.090"	53.04
30860	.5000	1/2"	12.700	1/2"	2-1/2"	5/8"	.125"	53.04
30866	.6250	5/8"	15.875	5/8"	3"	3/4"	.030"	94.72
30868	.6250	5/8"	15.875	5/8"	3"	3/4"	.045"	94.72
30870	.6250	5/8"	15.875	5/8"	3"	3/4"	.060"	94.72
30872	.6250	5/8"	15.875	5/8"	3"	3/4"	.090"	94.72
30874	.6299		16.000	16.0	75	19	0.50	99.10
30878	.6299		16.000	16.0	75	19	2.00	99.10
30880	.6299		16.000	16.0	75	19	2.50	99.10
30882	.6299		16.000	16.0	75	19	3.00	99.10
30884	.6299		16.000	16.0	75	19	4.00	99.10
30886	.6299		16.000	16.0	75	19	5.00	99.10
30888	.7500	3/4"	19.050	3/4"	3"	1"	.015"	133.74
30890	.7500	3/4"	19.050	3/4"	3"	1"	.020"	133.74
30892	.7500	3/4"	19.050	3/4"	3"	1"	.030"	133.74
30894	.7500	3/4"	19.050	3/4"	3"	1"	.045"	133.74
30896	.7500	3/4"	19.050	3/4"	3"	1"	.060"	133.74
30898	.7500	3/4"	19.050	3/4"	3"	1"	.090"	133.74
30900	.7500	3/4"	19.050	3/4"	3"	1"	.125"	133.74
30902	.7500	3/4"	19.050	3/4"	3"	1"	.250"	133.74

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MATERIAL HARDNESS (Rc)

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