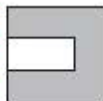
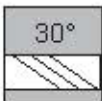
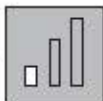


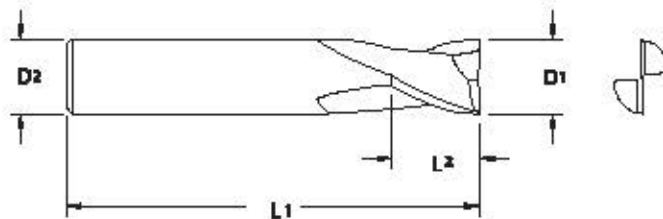
TuffCut® GP Series 164

Z2



2
Flute

Designed for aggressive milling of most materials with reduced deflection, improved tool life and overall economy.



• Micro sizes available.

Tool No.	EDP	Diameter			Shank		OAL		Flute Length	
		D1			D2		L1		L2	
		Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
16400500	16468			.0050	1/8		1-1/2		.010	
16400600	16469			.0060	1/8		1-1/2		.012	
16400700	16470			.0070	1/8		1-1/2		.014	
16400780	16402		0.2	.0078		3.0		38		0.4
16400800	16471			.0080	1/8		1-1/2		.016	
16400900	16472			.0090	1/8		1-1/2		.018	
16401000	16473			.0100	1/8		1-1/2		.020	
16401100	16474			.0110	1/8		1-1/2		.022	
16401180	16404		0.3	.0118		3.0		38		0.6
16401200	16475			.0120	1/8		1-1/2		.024	
16401300	16476			.0130	1/8		1-1/2		.026	
16401400	16477			.0140	1/8		1-1/2		.028	
16401500	16478			.0150	1/8		1-1/2		.030	
16401560	16400	1/64		.0156	1/8		1-1/2		.023	
16401570	16406		0.4	.0157		3.0		38		0.8
16401600	16479			.0160	1/8		1-1/2		.032	
16401700	16480			.0170	1/8		1-1/2		.034	
16401800	16481			.0180	1/8		1-1/2		.036	
16401900	16482			.0190	1/8		1-1/2		.038	
16401960	16408		0.5	.0196		3.0		38		1.0
16402000	16483			.0200	1/8		1-1/2		.040	
16402100	16484			.0210	1/8		1-1/2		.042	
16402200	16485			.0220	1/8		1-1/2		.044	
16402300	16486			.0230	1/8		1-1/2		.046	
16402360	16412		0.6	.0236		3.0		38		1.2
16402400	16487			.0240	1/8		1-1/2		.048	
16402500	16488			.0250	1/8		1-1/2		.050	
16402600	16489			.0260	1/8		1-1/2		.052	
16402700	16490			.0270	1/8		1-1/2		.054	
16402760	16414		0.7	.0275		3.0		38		1.4
16402800	16491			.0280	1/8		1-1/2		.056	
16402900	16492			.0290	1/8		1-1/2		.058	
16403000	16493			.0300	1/8		1-1/2		.060	
16403100	16572			.0310	1/8		1-1/2		.062	

Inch	
D1	Tolerance
1/64	+0.001/-0.001
1/32 - 1/4	+0.001/-0.002
>1/4 - 3/4	+0.001/-0.003
D1 Micro Sizes*	Tolerance
.005 - .060	+0.0005/-0.0005

*Inch decimal size range .005-.060" only.

Metric (mm)	
D1	Tolerance h10
0.20 - 0.50	+0.001/-0.025
0.60 - 3.00	+0.001/-0.040
>3.00 - 6.00	+0.001/-0.048
>6.00 - 10.00	+0.001/-0.058
>10.00 - 18.00	+0.001/-0.070
>18.00 - 20.00	+0.001/-0.084

Series 164 coated tools on page 298.



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TuffCut® GP

GENERAL PURPOSE