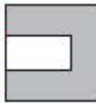
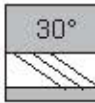
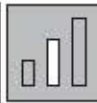


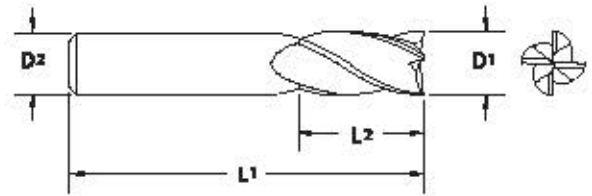
# TuffCut® GP Series 117

Z4



4  
Flute

Recommended for use on close tolerance milling.



- NC tolerances on cutting diameter:  
Imperial  $+ .001"/- .000"$   
Metric  $+ .025\text{mm}/- .000\text{mm}$
- TiN and ALtima® coatings available.

Tool No.	EDP	Diameter			Shank		DAL		Flute Length		Stock Status	
		D1			D2		L1		L2		• Stocked	
		Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm	◦ Non-Stocked	
11701560	11701	1/64		.0156	1/8		1-1/2		.040		◦	
11703120	11703	1/32		.0312	1/8		1-1/2		5/64		◦	
11703940	11705		1.0	.0394		3.0		38		3.0	◦	
11704680	11707	3/64		.0468	1/8		1-1/2		7/64		◦	
11705910	11709		1.5	.0591		3.0		38		6.0	◦	
11706250	11711	1/16		.0625	1/8		1-1/2		3/16		◦	
11707810	11713	5/64		.0781	1/8		1-1/2		15/64		◦	
11707870	11715		2.0	.0787		3.0		38		9.0	◦	
11709370	11717	3/32		.0937	1/8		1-1/2		9/32		◦	
11709840	11719		2.5	.0984		3.0		38		12.0	◦	
11710930	11723	7/64		.1093	1/8		1-1/2		21/64		◦	
11711810	11725		3.0	.1181		3.0		38		12.0	◦	
11712500	11727	1/8		.1250	1/8		1-1/2		3/8		•	
11713780	11729		3.5	.1378		4.0		51		12.0	◦	
11715620	11731	5/32		.1562	3/16		2		1/2		•	
11715750	11733		4.0	.1575		4.0		51		14.0	◦	
11717720	11735		4.5	.1772		5.0		51		14.0	◦	
11718750	11737	3/16		.1875	3/16		2		9/16		•	
11719680	11739		5.0	.1968		5.0		51		20.0	◦	
11721650	11741		5.5	.2165		6.0		64		20.0	◦	
11721870	11743	7/32		.2187	1/4		2-1/2		5/8		•	
11723620	11745		6.0	.2362		6.0		64		20.0	◦	
11725000	11747	1/4		.2500	1/4		2-1/2		3/4		•	
11727560	11749		7.0	.2756		8.0		64		20.0	◦	
11728120	11751	9/32		.2812	5/16		2-1/2		3/4		•	
11731250	11753	5/16		.3125	5/16		2-1/2		13/16		•	
11731500	11755		8.0	.3150		8.0		64		20.0	◦	
11735430	11757		9.0	.3543		9.0		64		20.0	◦	
11737500	11759	3/8		.3750	3/8		2-1/2		7/8		•	
11739370	11761		10.0	.3937		10.0		70		25.0	◦	
11743310	11763		11.0	.4331		11.0		70		25.0	◦	
11743750	11765	7/16		.4375	7/16		2-3/4		1		•	
11747240	11767		12.0	.4724		12.0		76		25.0	◦	
11750000	11769	1/2		.5000	1/2		3		1		•	

Inch	
D1	Tolerance
1/64 - 1	+ .001/- .000

Metric (mm)	
D1	Tolerance
1.00 - 25.00	+ .025/- .000



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TuffCut® GP

GENERAL PURPOSE