







4
Flute

TuffCut® GP Series 132

Z4      

Chipbreakers are designed to minimize cutting forces, reduce or eliminate chatter and prolong tool life.



Tool No.	EDP	Diameter			Shank		OAL		Flute Length	
		D1			D2		L1		L2	
		Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
13211810	13203		3.0	.1181		3.0		64		25.0
13212500	13205	1/8		.1250	1/8		2-1/2		1	
13218750	13207	3/16		.1875	3/16		3		1-1/8	
13223620	13209		6.0	.2362		6.0		76		30.0
13229000	13211	1/4		.2500	1/4		3		1-1/4	
13231250	13213	5/16		.3125	5/16		3-1/4		1-3/8	
13231500	13215		8.0	.3150		8.0		83		35.0
13237500	13217	3/8		.3750	3/8		3-1/2		1-1/2	
13239370	13219		10.0	.3937		10.0		89		40.0
13243750	13221	7/16		.4375	7/16		4		1-3/4	
13247240	13223		12.0	.4724		12.0		102		50.0
13250000	13225	1/2		.5000	1/2		4		2	
13262500	13227	5/8		.6250	5/8		4-5/8		2-1/2	
13262990	13229		16.0	.6299		16.0		117		65.0
13275000	13231	3/4		.7500	3/4		5-1/4		3	
13278740	13233		20.0	.7874		20.0		133		80.0
13298430	13235		25.0	.9843		25.0		152		80.0
13210000	13201	1		1.0000	1		6		3	

Inch	
D1	Tolerance
1/8 - 1/4	+0.000/-0.002
> 1/4 - 1.00	+0.000/-0.003

Metric (mm)	
D1	Tolerance
3.00 - 6.00	+0.000/-0.051
8.00 - 25.00	+0.000/-0.076

- Chipbreaker geometry permits extremely high feed rates in roughing operations. Tools designed with tooth overlap to produce fairly smooth part finish.
- Designed for deep pocket milling and other applications where standard flute lengths are too short.
- TiN coating available.

