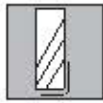
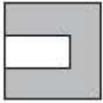
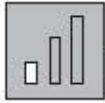
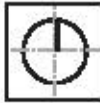


**TuffCut® GP
Series 169**

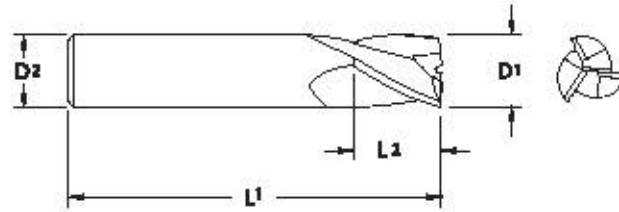
Z3



**Corner Radius
Options Now
Available As
Standards!**

**3
Flute**

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



Tool No.	EDP	Diameter			Shank		OAL		Flute Length		Corner Radius
		D1			D2		L1		L2		R
		Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm	Inch
16901560	16900	1/64		.0156	1/8		1-1/2		.023		
16903120	16901	1/32		.0312	1/8		1-1/2		1/16		
16903940	16903		1.0	.0394		3.0		38		2.0	
16904680	16905	3/64		.0468	1/8		1-1/2		3/32		
16905910	16907		1.5	.0591		3.0		38		3.0	
16906250	16909	1/16		.0625	1/8		1-1/2		1/8		
16906250R.005	16966	1/16		.0625	1/8		1-1/2		1/8		.005
16906250R.010	16910	1/16		.0625	1/8		1-1/2		1/8		.010
16906250R.015	16912	1/16		.0625	1/8		1-1/2		1/8		.015
16906250R.020	16914	1/16		.0625	1/8		1-1/2		1/8		.020
16907810	16911	5/64		.0781	1/8		1-1/2		5/32		
16907810R.005	16968	5/64		.0781	1/8		1-1/2		5/32		.005
16907810R.010	16916	5/64		.0781	1/8		1-1/2		5/32		.010
16907810R.015	16918	5/64		.0781	1/8		1-1/2		5/32		.015
16907810R.020	16920	5/64		.0781	1/8		1-1/2		5/32		.020
16907870	16913		2.0	.0787		3.0		38		4.0	
16909370	16915	3/32		.0937	1/8		1-1/2		3/16		
16909370R.005	16970	3/32		.0937	1/8		1-1/2		3/16		.005
16909370R.010	16922	3/32		.0937	1/8		1-1/2		3/16		.010
16909370R.015	16924	3/32		.0937	1/8		1-1/2		3/16		.015
16909370R.020	16928	3/32		.0937	1/8		1-1/2		3/16		.020
16909840	16917		2.5	.0984		3.0		38		5.0	
16910930	16919	7/64		.1093	1/8		1-1/2		7/32		
16911810	16921		3.0	.1181		3.0		38		6.0	
16912500	16923	1/8		.1250	1/8		1-1/2		1/4		
16912500R.005	16972	1/8		.1250	1/8		1-1/2		1/4		.005
16912500R.010	16932	1/8		.1250	1/8		1-1/2		1/4		.010
16912500R.015	16934	1/8		.1250	1/8		1-1/2		1/4		.015
16912500R.020	16938	1/8		.1250	1/8		1-1/2		1/4		.020
16913780	16925		3.5	.1378		4.0		51		7.0	
16914060	16926	9/64		.1406	3/16		2		5/16		
16915620	16927	5/32		.1562	3/16		2		5/16		

Inch	
D1	Tolerance
1/64	+0.000/-0.001
1/32 - 1/4	+0.000/-0.002
>1/4 - 3/4	+0.000/-0.003

Metric (mm)	
D1	Tolerance h10
1.00 - 3.00	+0.000/-0.040
>3.00 - 6.00	+0.000/-0.048
>6.00 - 10.00	+0.000/-0.058
>10.00 - 18.00	+0.000/-0.070
>18.00 - 20.00	+0.000/-0.084

Series 169 coated tools on page 287.



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TuffCut® GP

GENERAL PURPOSE

For product information, call your local distributor.