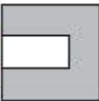
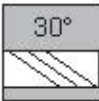
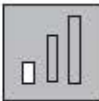


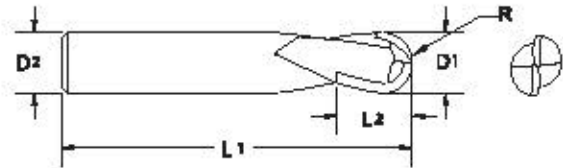
**TuffCut® GP  
Series 166**

**Z2**



**2  
Flute  
Ball**

Manufactured with a full ball radius end. Designed for milling fillets or similar rounded corners in the bottom of a cut. Ideal for most ferrous metal applications.



Tool No.	EDP	Diameter			Shank		OAL		Flute Length	
		D1			D2		L1		L2	
		Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
16601560	16600	1/64		.0156	1/8		1-1/2		.023	
16603120	16601	1/32		.0312	1/8		1-1/2		1/16	
16603940	16603		1.0	.0394		3.0		38		2.0
16604680	16605	3/64		.0468	1/8		1-1/2		3/32	
16605910	16607		1.5	.0591		3.0		38		3.0
16606250	16609	1/16		.0625	1/8		1-1/2		1/8	
16607810	16610	5/64		.0781	1/8		1-1/2		5/32	
16607870	16611		2.0	.0787		3.0		38		4.0
16609370	16613	3/32		.0937	1/8		1-1/2		3/16	
16609840	16615		2.5	.0984		3.0		38		5.0
16610930	16616	7/64		.1093	1/8		1-1/2		7/32	
16611810	16617		3.0	.1181		3.0		38		6.0
16612500	16619	1/8		.1250	1/8		1-1/2		1/4	
16613780	16621		3.5	.1378		4.0		51		7.0
16614060	16622	9/64		.1406	3/16		2		5/16	
16615620	16623	5/32		.1562	3/16		2		5/16	
16615750	16625		4.0	.1575		4.0		51		8.0
16617180	16626	11/64		.1718	3/16		2		3/8	
16617720	16627		4.5	.1772		5.0		51		9.0
16618750	16629	3/16		.1875	3/16		2		3/8	
16619680	16631		5.0	.1968		5.0		51		11.0
16620310	16632	13/64		.2031	1/4		2		1/2	
16621650	16633		5.5	.2165		6.0		51		12.0
16621870	16635	7/32		.2187	1/4		2		1/2	
16623430	16636	15/64		.2343	1/4		2		1/2	
16623620	16637		6.0	.2362		6.0		51		13.0
16625000	16639	1/4		.2500	1/4		2		1/2	
16627560	16641		7.0	.2756		8.0		51		13.0
16628120	16642	9/32		.2812	5/16		2		1/2	
16631250	16643	5/16		.3125	5/16		2		1/2	
16631500	16645		8.0	.3150		8.0		51		13.0
16635430	16647		9.0	.3543		9.0		51		14.0
16637500	16649	3/8		.3750	3/8		2		5/8	
16639370	16651		10.0	.3937		10.0		51		14.0
16643310	16653		11.0	.4331		11.0		64		16.0
16643750	16655	7/16		.4375	7/16		2-1/2		5/8	

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

Inch	
R	Tolerance
≤1/16	+0.001/-0.001
>1/16 - 1.8	+0.002/-0.002
>1.8	+0.003/-0.003

Metric (mm)	
R	Tolerance
≤1.5	+0.025/-0.025
1.6 - 3.0	+0.050/-0.050
>3.0	+0.075/-0.075

Series 166 coated tools on page 308.



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TuffCut® GP

**GENERAL PURPOSE**