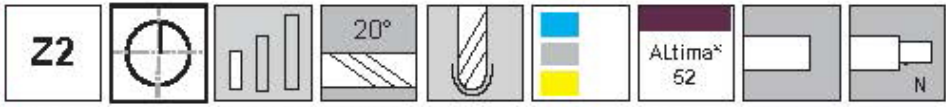
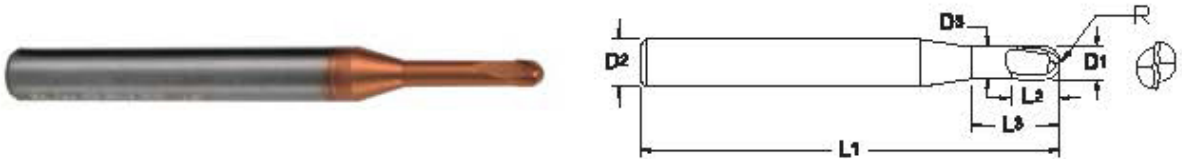


**2**  
Flute  
Ball

**TuffCut DM®  
Series 156**



Series 156 is designed for high-productivity milling of hard and difficult to cut materials Rc 45-60. Coated with ALtima® 52 for materials Rc 52 and above.



Altima® 52		Diameter			Shank		Neck Diameter		OAL		Flute Length		Neck Length	
Tool No.		D1			D2 (h5)		D3		L1		L2		L3	
	EDP	Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
15601560A	15600	1/64		.0156	1/4				2-1/2		1/64			
156M0050N1A	15400		0.5	.0196		4.0		0.47		50		0.35		1
156M0050N2A	15401		0.5	.0196		4.0		0.47		50		0.35		2
156M0050N3A	15402		0.5	.0196		4.0		0.47		50		0.35		3
156M0050N4A	15403		0.5	.0196		4.0		0.47		50		0.35		4
156M0050N5A	15404		0.5	.0196		4.0		0.47		50		0.35		5
156M0050N6A	15406		0.5	.0196		4.0		0.47		50		0.35		6
15601960A	15602		0.5	.0196		6.0				63		0.50		
156M0060N2A	15409		0.6	.0236		4.0		0.57		50		0.40		2
156M0060N4A	15411		0.6	.0236		4.0		0.57		50		0.40		4
156M0060N6A	15413		0.6	.0236		4.0		0.57		50		0.40		6
156M0060N8A	15415		0.6	.0236		4.0		0.57		50		0.40		8
156M0060N10A	15417		0.6	.0236		4.0		0.57		50		0.40		10
15603120A	15604	1/32		.0312	1/4				2-1/2		1/32			
15603121A	15606	1/32		.0312	1/4		.0300		2-1/2		1/32		1/4	
15603122A	15608	1/32		.0312	1/4		.0300		2-1/2		1/32		5/16	
15603123A	15610	1/32		.0312	1/4		.0300		2-1/2		1/32		3/8	
15603124A	15612	1/32		.0312	1/4		.0300		2-1/2		1/32		1/2	
15603125A	15614	1/32		.0312	1/4		.0300		2-1/2		1/32		5/8	
156M0080N2A	15419		0.8	.0315		4.0		0.77		50		0.50		2
156M0080N4A	15420		0.8	.0315		4.0		0.77		50		0.50		4
156M0080N6A	15422		0.8	.0315		4.0		0.77		50		0.50		6
156M0080N8A	15423		0.8	.0315		4.0		0.77		50		0.50		8
156M0080N10A	15424		0.8	.0315		4.0		0.77		50		0.50		10
156M0100N2A	15425		1.0	.0394		4.0		0.96		50		0.80		2
156M0100N3A	15426		1.0	.0394		4.0		0.96		50		0.80		3
156M0100N4A	15427		1.0	.0394		4.0		0.96		50		0.80		4
156M0100N6A	15429		1.0	.0394		4.0		0.96		50		0.80		6

Inch	
D1	Tolerance
1/64 - 1/2	+0 /-.0005

Metric (mm)	
D1	Tolerance
0.50 - 12.00	+0 /-.015

Inch	
D2	Tolerance (h5)
.1182 - .2362	+0 /-.00020
.2363 - .3937	+0 /-.00024
.3938 - .7087	+0 /-.00031

Metric (mm)	
D2	Tolerance (h5)
3.01 - 6.00	+0 /-.005
6.01 - 10.00	+0 /-.006
10.01 - 18.00	+0 /-.008

Inch	
R	Tolerance
1/64 - 1/2	+0.0004-.0004

Metric (mm)	
R	Tolerance
0.5 - 12.0	+0.01/-0.01

