



Niagara Cutter

**S335** - 3 Flutes 35° Helix Solid Carbide Single-End Mill *Elite* Series  
for Steel, Stainless, Titanium & High Temperature Alloys  
Center-Cutting, Corner Radius

Advanced Flute Geometries  
Ideal for Slotting  
Ultra High Transverse Rupture Strength  
Standard with Corner Radius  
Extra-Fine Grain Carbide  
Weldon Flat on Shank Sizes  $\geq 3/8$ "

Flute Diameter Tolerances : **+0.000"/-0.002"**  
Shank Diameter Tolerances : **-0.0001"/-0.0004"**  
Overall Length Tolerances : **+/-0.060"**  
Length of Cut Tolerances  
[1/16",5/16"] **+0.030"/-0.000"**  
[21/64",1"] **+0.060"/-0.000"**  
Helix Angle : **35°**

									Suggested
Flute Diam.	Shank Diam.	Length Of Cut	Overall Length	Standard Radius	#F	Uncoat	TiN	TiCN	TiAlN
1/8	1/8	1/4	1-1/2	0.008-0.010	3	61718	61746	61774	61802
1/8	1/8	1/2	1-1/2	0.008-0.010	3	61719	61747	61775	61803
5/32	3/16	5/16	2	0.008-0.010	3	61720	61748	61776	61804
5/32	3/16	9/16	2	0.008-0.010	3	61721	61749	61777	61805
3/16	3/16	5/16	2	0.008-0.010	3	61722	61750	61778	61806
3/16	3/16	9/16	2	0.008-0.010	3	61723	61751	61779	61807
7/32	1/4	3/8	2	0.015-0.020	3	61724	61752	61780	61808
7/32	1/4	3/4	2-1/2	0.015-0.020	3	61725	61753	61781	61809
1/4	1/4	3/8	2	0.015-0.020	3	61726	61754	61782	61810
1/4	1/4	3/4	2-1/2	0.015-0.020	3	61727	61755	61783	61811
9/32	5/16	7/16	2	0.015-0.020	3	61728	61756	61784	61812
9/32	5/16	13/16	2-1/2	0.015-0.020	3	61729	61757	61785	61813
5/16	5/16	7/16	2	0.015-0.020	3	61730	61758	61786	61814
5/16	5/16	13/16	2-1/2	0.015-0.020	3	61731	61759	61787	61815
11/32	3/8	1/2	2	0.015-0.020	3	61732	61760	61788	61816
11/32	3/8	1	2-1/2	0.015-0.020	3	61733	61761	61789	61817
3/8	3/8	1/2	2	0.015-0.020	3	61734	61762	61790	61818
3/8	3/8	1	2-1/2	0.015-0.020	3	61735	61763	61791	61819
7/16	7/16	9/16	2-1/2	0.015-0.020	3	61736	61764	61792	61820
7/16	7/16	1	2-3/4	0.015-0.020	3	61737	61765	61793	61821
1/2	1/2	5/8	2-1/2	0.030-0.035	3	61738	61766	61794	61822
1/2	1/2	1-1/4	3	0.030-0.035	3	61739	61767	61795	61823
5/8	5/8	3/4	3	0.030-0.035	3	61740	61768	61796	61824
5/8	5/8	1-5/8	3-1/2	0.030-0.035	3	61741	61769	61797	61825
3/4	3/4	1	3	0.030-0.035	3	61742	61770	61798	61826
3/4	3/4	1-5/8	4	0.030-0.035	3	61743	61771	61799	61827



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Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	Standard Radius	#F	Uncoat	TiN	TiCN	TiAlN
1	1	1-1/4	3	0.030-0.035	3	61744	61772	61800	61828
1	1	2	4	0.030-0.035	3	61745	61773	61801	61829