



Niagara Cutter

SR545 - Multi Flutes 45° Helix Solid Carbide Single-End Mill *Elite* Series
for Titanium
Fine-Pitch Roughing End-Mill, Center-Cutting

45° Helix for High Shear Cutting
Fine-Pitch Profile for Strength
Standard with Corner Chamfer
Recommended with TiALN Coating
Effective in Long Axial Depths-of-cut
Designed for Peripheral Milling (25% of
Tool Diameter Maximum)

Flute Diameter Tolerances : **+0.000"/-0.003"**
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 : **45°**

									Suggested
Flute Diam.	Shank Diam.	Length Of Cut	Overall Length	Chamfer Width	#F	Uncoat	TiN	TiCN	TiAlN
3/8	3/8	1/2	2	0.020	5	99050	99064	99078	99092
3/8	3/8	1	2-1/2	0.020	5	99051	99065	99079	99093
7/16	7/16	9/16	2-1/2	0.020	5	99052	99066	99080	99094
7/16	7/16	1	2-3/4	0.020	5	99053	99067	99081	99095
1/2	1/2	5/8	2-1/2	0.025	5	99054	99068	99082	99096
1/2	1/2	1-1/4	3	0.025	5	99055	99069	99083	99097
5/8	5/8	3/4	3	0.025	5	99056	99070	99084	99098
5/8	5/8	1-5/8	3-1/2	0.025	5	99057	99071	99085	99099
3/4	3/4	1	3	0.025	5	99058	99072	99086	99100
3/4	3/4	1-5/8	4	0.025	5	99059	99073	99087	99101
1	1	1-1/4	4	0.025	5	99060	99074	99088	99102
1	1	2	4	0.025	5	99061	99075	99089	99103
1-1/4	1-1/4	2	4-1/2	0.025	5	99062	99076	99090	99104
1-1/4	1-1/4	3-1/4	6	0.025	5	99063	99077	99091	99105