



Niagara Cutter

S545 - 5 Flutes 45° Helix Solid Carbide Single-End Mill *Elite* Series
for Steel, Stainless, Titanium & High Temperature Alloys
Center-Cutting

Advanced Flute Geometries
Eccentric Primary Relief
Ultra High Transverse Rupture Strength
Ideal for Peripheral Finish Milling
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 : 45°

Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	TiN	TiCN	Suggested
								TiAlN
1/8	1/8	1/4	1-1/2	5	61830	61881	61932	61983
1/8	1/8	1/2	1-1/2	5	61831	61882	61933	61984
5/32	3/16	5/16	2	5	61832	61883	61934	61985
5/32	3/16	9/16	2	5	61833	61884	61935	61986
3/16	3/16	5/16	2	5	61834	61885	61936	61987
3/16	3/16	9/16	2	5	61835	61886	61937	61988
7/32	1/4	3/8	2	5	61836	61887	61938	61989
7/32	1/4	3/4	2-1/2	5	61837	61888	61939	61990
1/4	1/4	3/8	2	5	61838	61889	61940	61991
1/4	1/4	3/4	2-1/2	5	61839	61890	61941	61992
1/4	1/4	1-1/4	4	5	61840	61891	61942	61993
9/32	5/16	7/16	2	5	61841	61892	61943	61994
9/32	5/16	13/16	2-1/2	5	61842	61893	61944	61995
5/16	5/16	7/16	2	5	61843	61894	61945	61996
5/16	5/16	13/16	2-1/2	5	61844	61895	61946	61997
5/16	5/16	1-1/4	4	5	61845	61896	61947	61998
5/16	5/16	2-1/8	4	5	61846	61897	61948	61999
11/32	3/8	1/2	2	5	61847	61898	61949	62000
11/32	3/8	1	2-1/2	5	61848	61899	61950	62001
3/8	3/8	1/2	2	5	61849	61900	61951	62002
3/8	3/8	1	2-1/2	5	61850	61901	61952	62003
3/8	3/8	1-1/2	4	5	61851	61902	61953	62004
3/8	3/8	2-1/2	6	5	61852	61903	61954	62005
13/32	7/16	9/16	2-1/2	5	61853	61904	61955	62006
13/32	7/16	1	2-3/4	5	61854	61905	61956	62007



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								Suggested
Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	TiN	TiCN	TiAlN
7/16	7/16	9/16	2-1/2	5	61855	61906	61957	62008
7/16	7/16	1	2-3/4	5	61856	61907	61958	62009
7/16	7/16	2	4	5	61857	61908	61959	62010
15/32	1/2	5/8	2-1/2	5	61858	61909	61960	62011
15/32	1/2	1-1/4	3	5	61859	61910	61961	62012
1/2	1/2	5/8	2-1/2	5	61860	61911	61962	62013
1/2	1/2	1-1/4	3	5	61861	61912	61963	62014
1/2	1/2	2	4	5	61862	61913	61964	62015
1/2	1/2	3-1/8	6	5	61863	61914	61965	62016
5/8	5/8	3/4	3	5	61864	61915	61966	62017
5/8	5/8	1-5/8	3-1/2	5	61865	61916	61967	62018
5/8	5/8	2-1/2	5	5	61866	61917	61968	62019
5/8	5/8	4	6	5	61867	61918	61969	62020
3/4	3/4	1	3	5	61868	61919	61970	62021
3/4	3/4	1-5/8	4	5	61869	61920	61971	62022
3/4	3/4	2-1/4	5	5	61870	61921	61972	62023
3/4	3/4	3-1/4	6	5	61871	61922	61973	62024
3/4	3/4	4	6	5	61872	61923	61974	62025
1	1	1-1/4	3	5	61873	61924	61975	62026
1	1	2	4	5	61874	61925	61976	62027
1	1	2-5/8	6	5	61875	61926	61977	62028
1	1	3-1/4	6	5	61876	61927	61978	62029
1	1	4-1/8	7	5	61877	61928	61979	62030
1-1/4	1-1/4	2	4-1/2	7	61878	61929	61980	62031
1-1/4	1-1/4	3-1/4	6	7	61879	61930	61981	62032
1-1/4	1-1/4	5	7-1/2	7	61880	61931	61982	62033