



Niagara Cutter

SC406 - Multi Flutes 30° Helix HSS Single-End Mill
for General Purpose
Center-Cutting

Designed for all Materials
Profile / Slotting
Weldon Flat

Flute Diameter Tolerances : **+0.001"/-0.000"**
Shank Diameter Tolerances : **-0.0001"/-0.0005"**
Overall Length Tolerances : **+/-0.062"**
Length of Cut Tolerances
[1/16",5/16"] **+0.031"/-0.000"**
[21/64",1"] **+0.031"/-0.000"**
Helix Angle : **30°**

Flute Diam.	Shank Diam.	Length Of Cut	Overall Length	#F	Uncoat	Suggested		
						TiN	TiCN	TiAlN
1/8	3/8	3/8	2-5/16	4	40041	40040	88275	37568
5/32	3/8	1/2	2-3/8	4	40051	40050	79415	37569
3/16	3/8	3/16	2-1/16	4	39061	39060	88255	22370
3/16	3/8	1/2	2-3/8	4	40061	40060	88276	37570
3/16	3/8	5/8	2-1/2	4	41061	41060	88294	10372
3/16	3/8	3/4	2-5/8	4	42061	42060	88319	19051
3/16	3/8	1	2-7/8	4	43061	43060	88346	15792
3/16	3/8	1-1/8	3	4	44061	44060	88366	09822
7/32	3/8	1/4	2-1/16	4	39071	39070	88256	22371
7/32	3/8	5/8	2-7/16	4	40071	40070	88277	37571
7/32	3/8	3/4	2-9/16	4	41071	41070	88295	10373
7/32	3/8	7/8	2-11/16	4	42071	42070	88320	19052
7/32	3/8	1-1/4	3-1/16	4	43071	43070	88347	15793
7/32	3/8	1-3/4	3-9/16	4	44071	44070	88367	09823
1/4	3/8	1/4	2-1/16	4	39081	39080	88257	22372
1/4	3/8	5/8	2-7/16	4	40081	40080	40084	37572
1/4	3/8	3/4	2-9/16	4	41081	41080	88296	10374
1/4	3/8	1-1/4	3-1/16	4	42081	42080	88321	19053
1/4	3/8	1-1/2	3-5/16	4	43081	43080	88348	15794
1/4	3/8	1-3/4	3-9/16	4	44081	44080	88368	09824
9/32	3/8	5/16	2-1/8	4	39091	39090	88258	22373
9/32	3/8	5/8	2-7/16	4	40091	40090	88278	37573
9/32	3/8	1	2-3/4	4	41091	41090	88297	10375
9/32	3/8	1-3/8	3-1/8	4	42091	42090	88322	19054
9/32	3/8	1-5/8	3-3/8	4	43091	43090	88349	15795
9/32	3/8	2	3-3/4	4	44091	44090	88369	09825



Niagara Cutter

SC406 - Multi Flutes 30° Helix HSS Single-End Mill
for General Purpose
Center-Cutting

Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	Suggested		
						TiN	TiCN	TiAlN
5/16	3/8	5/16	2-1/16	4	39101	39100	88259	22374
5/16	3/8	3/4	2-1/2	4	40101	40100	40104	37574
5/16	3/8	1	2-3/4	4	41101	41100	88298	10376
5/16	3/8	1-3/8	3-1/8	4	42101	42100	88323	19055
5/16	3/8	1-5/8	3-3/8	4	43101	43100	88350	15796
5/16	3/8	2	3-3/4	4	44101	44100	88370	09826
11/32	3/8	3/8	2-1/8	4	39111	39110	88260	22375
11/32	3/8	3/4	2-1/2	4	40111	40110	88279	37575
11/32	3/8	1-1/8	2-7/8	4	41111	41110	88299	10377
11/32	3/8	1-1/2	3-1/4	4	42111	42110	88324	19056
11/32	3/8	1-7/8	3-5/8	4	43111	43110	88351	15797
11/32	3/8	2-1/2	4-1/4	4	44111	44110	88371	09827
3/8	3/8	3/8	2-1/8	4	39121	39120	88261	22376
3/8	3/8	3/4	2-1/2	4	40121	40120	40124	37576
3/8	3/8	1-1/8	2-7/8	4	41121	41120	88300	10378
3/8	3/8	1-1/2	3-1/4	4	42121	42120	88325	19057
3/8	3/8	1-7/8	3-5/8	4	43121	43120	88352	15798
3/8	3/8	2-1/2	4-1/4	4	44121	44120	88372	09828
13/32	3/8	7/16	2-1/8	4	39131	39130	88262	22377
13/32	3/8	1	2-11/16	4	40131	40130	88280	37577
13/32	3/8	1-3/8	3-1/16	4	41131	41130	88301	10379
13/32	3/8	2	3-11/16	4	42131	42130	88326	19058
13/32	3/8	2-1/4	3-15/16	4	43131	43130	88353	15799
13/32	3/8	2-5/8	4-5/16	4	44131	44130	88373	09829
7/16	3/8	7/16	2-1/8	4	39141	39140	88263	22378
7/16	3/8	1	2-11/16	4	40141	40140	88281	37578
7/16	3/8	1-3/8	3-1/16	4	41141	41140	88302	10380
7/16	3/8	2	3-11/16	4	42141	42140	88327	19059
7/16	3/8	2-1/4	3-15/16	4	43141	43140	88354	15800
7/16	3/8	2-5/8	4-5/16	4	44141	44140	88374	09830
15/32	3/8	1/2	2-3/16	4	39151	39150	88264	22379
15/32	3/8	1	2-11/16	4	40151	40150	88282	37579
15/32	3/8	1-1/2	3-3/16	4	41151	41150	88303	10381
15/32	3/8	2	3-11/16	4	42151	42150	88328	19060



Niagara Cutter

SC406 - Multi Flutes 30° Helix HSS Single-End Mill
for General Purpose
Center-Cutting

Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	Suggested		
						TiN	TiCN	TiAlN
15/32	3/8	2-1/2	4-3/16	4	43151	43150	88355	15801
15/32	3/8	3	4-11/16	4	44151	44150	88375	09831
1/2	3/8	1	2-11/16	4	40161	40167	79416	37580
1/2	1/2	1/2	2-1/2	4	39162	39160	88265	22380
1/2	1/2	1-1/4	3-1/4	4	40162	40160	40164	37581
1/2	1/2	1-1/2	3-1/2	4	41162	41160	88304	10382
1/2	1/2	2	4	4	42162	42160	88329	19061
1/2	1/2	2-1/2	4-1/2	4	43162	43160	88356	15802
1/2	1/2	3	5	4	44162	44160	88376	09832
17/32	1/2	5/8	2-5/8	4	39172	39170	88266	22381
17/32	1/2	1-3/8	3-3/8	4	40172	40170	88283	37582
17/32	1/2	1-7/8	3-7/8	4	41172	41170	88305	10383
17/32	1/2	2-1/2	4-1/2	4	42172	42170	88330	19062
17/32	1/2	3-1/8	5-1/8	4	43172	43170	88357	15803
17/32	1/2	4	6	4	44172	44170	88377	09833
9/16	1/2	5/8	2-5/8	4	39182	39180	88267	22382
9/16	1/2	1-3/8	3-3/8	4	40182	40180	88284	37583
9/16	1/2	1-7/8	3-7/8	4	41182	41180	88306	10384
9/16	1/2	2-1/2	4-1/2	4	42182	42180	88331	19063
9/16	1/2	3-1/8	5-1/8	4	43182	43180	88358	15804
9/16	1/2	4	6	4	44182	44180	88378	09834
5/8	5/8	5/8	2-3/4	4	39203	39200	88268	22383
5/8	5/8	1-5/8	3-3/4	4	40203	40200	40204	37584
5/8	5/8	1-7/8	4	4	41203	41200	88307	10385
5/8	5/8	2-1/2	4-5/8	4	42203	42200	88332	19064
5/8	5/8	3-1/8	5-1/4	4	43203	43200	88359	15805
5/8	5/8	4	6-1/8	4	44203	44200	88379	09835
11/16	5/8	3/4	2-7/8	4	39223	39220	88269	22384
11/16	5/8	1-5/8	3-3/4	4	40223	40220	88285	37585
11/16	5/8	2-1/4	4-3/8	4	41223	41220	88308	10386
11/16	5/8	3	5-1/8	4	42223	42220	88333	19065
11/16	5/8	3-1/2	5-5/8	4	43223	43220	88360	15806
11/16	5/8	4	6-1/8	4	44223	44220	88380	09836
3/4	1/2	1-5/8	3-5/8	4	40242	40248	79417	37586



Niagara Cutter

SC406 - Multi Flutes 30° Helix HSS Single-End Mill
for General Purpose
Center-Cutting

Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	Suggested		
						TiN	TiCN	TiAlN
3/4	3/4	3/4	3	4	39244	39240	88270	22385
3/4	3/4	1-5/8	3-7/8	4	40244	40240	40245	37587
3/4	3/4	2-1/4	4-1/2	4	41244	41240	88309	10387
3/4	3/4	3	5-1/4	4	42244	42240	88334	19066
3/4	3/4	3-1/2	5-3/4	4	43244	43240	88361	15807
3/4	3/4	4	6-1/4	4	44244	44240	88381	09837
13/16	3/4	7/8	3-1/8	4	39264	39260	88271	22386
13/16	3/4	1-7/8	4-1/8	4	40264	40260	88286	37588
13/16	3/4	2-5/8	4-7/8	4	41264	41260	88310	10388
13/16	3/4	3-1/2	5-3/4	4	42264	42260	88335	19067
13/16	3/4	4-3/8	6-5/8	4	43264	43260	88362	15808
13/16	3/4	5	7-1/4	4	44264	44260	88382	09838
7/8	7/8	7/8	3-1/8	4	39285	39280	88272	22387
7/8	7/8	1-7/8	4-1/8	4	40285	40280	88287	37589
7/8	7/8	2-5/8	4-7/8	4	41285	41280	88311	10389
7/8	7/8	3-1/2	5-3/4	4	42285	42280	88336	19068
7/8	7/8	4-3/8	6-5/8	4	43285	43280	88363	15809
7/8	7/8	5	7-1/4	4	44285	44280	88383	09839
15/16	7/8	1	3-1/4	4	39305	39300	88273	22388
15/16	7/8	1-7/8	4-1/8	4	40305	40300	88288	37590
15/16	7/8	3	5-1/4	4	41305	41300	88312	10390
15/16	7/8	4	6-1/4	4	42305	42300	88337	19069
15/16	7/8	5	7-1/4	4	43305	43300	88364	15810
15/16	7/8	6	8-1/4	4	44305	44300	88384	09840
1	3/4	1-7/8	4-1/8	4	40324	40321	79418	37591
1	1	1	3-1/2	4	39326	39320	88274	22389
1	1	2	4-1/2	4	40326	40320	40329	37592
1	1	3	5-1/2	4	41326	41320	88313	10391
1	1	4	6-1/2	4	42326	42320	88338	19070
1	1	5	7-1/2	4	43326	43320	88365	15811
1	1	6	8-1/2	4	44326	44320	88385	09841
1-1/8	1	2	4-1/2	4	40366	40360	88289	37593
1-1/8	1	4	6-1/2	6	42366	42360	88339	19071
1-1/4	1	2	4-1/2	4	40406	40401	79419	37594



Niagara Cutter

SC406 - Multi Flutes 30° Helix HSS Single-End Mill
for General Purpose
Center-Cutting

Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	Suggested		
						TiN	TiCN	TiAlN
1-1/4	1	4	6-1/2	6	42406	42401	88340	19072
1-1/4	1-1/4	2	4-1/2	4	40407	40400	88290	37595
1-1/4	1-1/4	3	5-1/2	4	41407	41400	88314	10392
1-1/4	1-1/4	4	6-1/2	6	42407	42400	88341	19073
1-1/4	1-1/4	6	8-1/2	6	44407	44400	88386	09842
1-1/2	1	4	6-1/2	6	42486	42481	88342	19074
1-1/2	1-1/4	2	4-1/2	4	40487	40480	88291	37596
1-1/2	1-1/4	3	5-1/2	4	41487	41480	88315	10393
1-1/2	1-1/4	4	6-1/2	6	42487	42480	88343	19075
1-1/2	1-1/4	8	10-1/2	6	44487	44480	88387	09843
1-3/4	1-1/4	2	4-1/2	6	40567	40560	88292	37597
1-3/4	1-1/4	3	5-1/2	4	41567	41560	88316	10394
1-3/4	1-1/4	4	6-1/2	6	42567	42560	88344	19076
2	1-1/4	2	4-1/2	6	40647	40640	88293	37598
2	1-1/4	3	5-1/2	4	41647	41640	88317	10395
2	1-1/4	3	5-1/2	6	41648	41649	88318	10396
2	1-1/4	4	6-1/2	8	42647	42640	88345	19077