



Niagara Cutter

**CB230** - 2 Flutes 30° Helix Solid Carbide Single-End Mill  
for General Purpose  
Center-Cutting, Ball-End

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 : 30°

Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	TiN	TiCN	Suggested
								TiAlN
1/64	1/8	1/32	1-1/2	2	86149	98600	86187	86225
1/32	1/8	5/64	1-1/2	2	86150	98601	86188	86226
1/32	1/8	3/32	1-1/2	2	54020	54024	54028	54032
3/64	1/8	7/64	1-1/2	2	86151	98602	86189	86227
3/64	1/8	1/8	1-1/2	2	54021	54025	54029	54033
1/16	1/8	1/8	1-1/2	2	55462	55513	55564	55615
1/16	1/8	3/16	1-1/2	2	86152	98603	86190	86228
1/16	1/8	1/4	1-1/2	2	54022	54026	54030	54034
5/64	1/8	3/16	1-1/2	2	86153	98604	86191	86229
5/64	1/8	1/4	1-1/2	2	54023	54027	54031	54035
3/32	1/8	3/16	1-1/2	2	55463	55514	55565	55616
3/32	1/8	9/32	1-1/2	2	86154	98605	86192	86230
3/32	1/8	3/8	1-1/2	2	55464	55515	55566	55617
7/64	1/8	3/8	1-1/2	2	86155	98606	86193	86231
1/8	1/8	1/4	1-1/2	2	55465	55516	55567	55618
1/8	1/8	1/2	1-1/2	2	86156	98607	86194	86232
1/8	1/8	5/8	2	2	55466	55517	55568	55619
1/8	1/8	3/4	3	2	55467	55518	55569	55620
1/8	1/8	1	3	2	55468	55519	55570	55621
9/64	3/16	1/2	2	2	86157	98608	86195	86233
5/32	3/16	5/16	2	2	55469	55520	55571	55622
5/32	3/16	1/2	2	2	86158	98609	86196	86234
11/64	3/16	5/8	2	2	86159	98610	86197	86235
3/16	3/16	3/8	2	2	55470	55521	55572	55623
3/16	3/16	5/8	2	2	86160	98611	86198	86236



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3/16	3/16	1	3	2	55471	55522	55573	55624
3/16	3/16	1	4	2	55472	55523	55574	55625
3/16	3/16	1-1/8	3	2	55473	55524	55575	55626
13/64	1/4	5/8	2-1/2	2	86161	98612	86199	86237
7/32	1/4	7/16	2	2	55474	55525	55576	55627
7/32	1/4	5/8	2-1/2	2	86162	98613	86200	86238
15/64	1/4	3/4	2-1/2	2	86163	98614	86201	86239
1/4	1/4	1/2	2-1/2	2	55745	55526	55577	55628
1/4	1/4	3/4	2	2	86164	98615	86202	86240
1/4	1/4	1	3	2	55476	55527	55578	55629
1/4	1/4	1	4	2	55477	55528	55579	55630
1/4	1/4	1-1/2	4	2	55478	55529	55580	55631
1/4	1/4	1-1/2	6	2	55479	55530	55581	55632
7/64	5/16	3/4	2-1/2	2	86165	98616	86203	86241
9/32	5/16	3/4	2-1/2	2	86166	98617	86204	86242
19/64	5/16	13/16	2-1/2	2	86167	98618	86205	86243
5/16	5/16	1/2	2	2	55480	55531	55582	55633
5/16	5/16	13/16	2-1/2	2	86168	98619	86206	86244
5/16	5/16	1	3	2	55481	55532	55583	55634
5/16	5/16	1	4	2	55482	55533	55584	55635
5/16	5/16	1-1/2	6	2	55483	55534	55585	55636
5/16	5/16	1-5/8	4	2	55484	55535	55586	55637
21/64	3/8	1	2-1/2	2	86169	98620	86207	86245
11/32	3/8	1	2-1/2	2	86170	98621	86208	86246
23/64	3/8	1	2-1/2	2	86171	98622	86209	86247
3/8	3/8	5/8	2	2	55485	55536	55587	55638
3/8	3/8	1	2-1/2	2	86172	98623	86210	86248
3/8	3/8	1	3	2	55486	55537	55588	55639
3/8	3/8	1	4	2	55487	55538	55589	55640
3/8	3/8	1-1/2	6	2	55488	55539	55590	55641
3/8	3/8	2	4	2	55489	55540	55591	55642
3/8	3/8	3	6	2	55490	55541	55592	55643



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Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	TiN	TiCN	TiAlN
25/64	7/16	1	2-3/4	2	86173	98624	86211	86249
13/32	7/16	1	2-3/4	2	86174	98625	86212	86250
27/64	7/16	1	2-3/4	2	86175	98626	86213	86251
7/16	7/16	5/8	2-1/2	2	55491	55542	55593	55644
7/16	7/16	1	2-3/4	2	86176	98627	86214	86252
7/16	7/16	1	4	2	55492	55543	55594	55645
7/16	7/16	1-1/2	6	2	55493	55544	55595	55646
7/16	7/16	2	4	2	55494	55545	55596	55647
7/16	7/16	3	6	2	55495	55546	55597	55648
29/64	1/2	1	3	2	86177	98628	86215	86253
15/32	1/2	1	3	2	86178	98629	86216	86254
31/64	1/2	1	3	2	86179	98630	86217	86255
1/2	1/2	5/8	2-1/2	2	55496	55547	55598	55649
1/2	1/2	1	3	2	86180	98631	86218	86256
1/2	1/2	1	4	2	55497	55548	55599	55650
1/2	1/2	1-1/2	6	2	55498	55549	55600	55651
1/2	1/2	2	4	2	55499	55550	55601	55652
1/2	1/2	3	6	2	55500	55551	55602	55653
9/16	9/16	1-1/8	3-1/2	2	86181	98635	86219	86257
9/16	9/16	2	6	2	55501	55552	55603	55654
9/16	9/16	3	6	2	55502	55553	55604	55655
5/8	5/8	3/4	3	2	55503	55554	55605	55656
5/8	5/8	1-1/4	3-1/2	2	86182	98639	86220	86258
5/8	5/8	2	6	2	55504	55555	55606	55657
5/8	5/8	3	6	2	55505	55556	55607	55658
11/16	3/4	1-3/8	4	2	86183	98643	86221	86259
3/4	3/4	1	3	2	55506	55557	55608	55659
3/4	3/4	1-1/2	4	2	86184	98647	86222	86260
3/4	3/4	2	6	2	55507	55558	55609	55660
3/4	3/4	3	6	2	55508	55559	55610	55661
3/4	3/4	4	6	2	55509	55560	55611	55662
7/8	7/8	1-1/2	4	2	86185	98655	86223	86261



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Flute Diam.	Shank Diam.	Overall Length	Length Of Cut	#F	Uncoat	TiN	TiCN	TiAlN
1	1	1-1/2	4	2	86186	98663	86224	86262
1	1	2	6	2	55510	55561	55612	55663
1	1	3	6	2	55511	55562	55613	55664
1	1	4	6	2	55512	55563	55614	55665