

# A337 Series

# Niagara Cutter

## 3 Flute High-Helix HSS End Mill

## High Performance

For Aluminum

HSS End Mills



### A337 - Single-End, Center-Cutting

- 37° Helix
- M7 High Speed Steel
- Full CNC Ground
- Cylindrical Land
- Eccentric Relief
- Low R<sub>a</sub> Finishes on Cutting Edges
- Reduces Chatter and Squeal

**TiCN**  
Recommended

Price Code A

Flute Dia	Shank Dia	Length of Cut	Overall Length	# F	Uncoated		TiN EDP	TiN List	TiCN		TiAlN EDP	TiAlN List
					EDP	List			EDP	TiCN List		
3/16	3/8	1/2	2 3/8	3	33800	\$12.80	33801	\$16.30	<b>33802</b>	<b>\$17.50</b>	63428	\$17.50
1/4	3/8	3/8	2 3/16	3	33803	\$16.30	33804	\$19.80	<b>33805</b>	<b>\$21.00</b>	63429	\$21.00
1/4	3/8	5/8	2 7/16	3	33806	\$12.80	33807	\$16.30	<b>33808</b>	<b>\$17.50</b>	63430	\$17.50
1/4	3/8	1 1/4	3 1/16	3	33809	\$14.70	33810	\$18.20	<b>33811</b>	<b>\$19.40</b>	63431	\$19.40
1/4	3/8	1 3/4	3 9/16	3	33812	\$17.30	33813	\$21.80	<b>33814</b>	<b>\$23.40</b>	63432	\$23.40
5/16	3/8	3/8	2 1/8	3	33815	\$16.30	33816	\$19.80	<b>33817</b>	<b>\$21.00</b>	63433	\$21.00
5/16	3/8	3/4	2 1/2	3	33818	\$12.80	33819	\$16.30	<b>33820</b>	<b>\$17.50</b>	63434	\$17.50
5/16	3/8	1 3/8	3 1/8	3	33821	\$14.70	33822	\$19.20	<b>33823</b>	<b>\$20.80</b>	63435	\$20.80
5/16	3/8	2	3 3/4	3	33824	\$17.30	33825	\$21.80	<b>33826</b>	<b>\$23.40</b>	63436	\$23.40
3/8	3/8	3/8	2 1/8	3	33827	\$16.30	33828	\$19.80	<b>33829</b>	<b>\$21.00</b>	63437	\$21.00
3/8	3/8	3/4	2 1/2	3	33830	\$12.80	33831	\$16.30	<b>33832</b>	<b>\$17.50</b>	63438	\$17.50
3/8	3/8	1 1/2	3 1/4	3	33833	\$14.70	33834	\$19.20	<b>33835</b>	<b>\$20.80</b>	63439	\$20.80
3/8	3/8	2 1/2	4 1/4	3	33836	\$17.30	33837	\$22.70	<b>33838</b>	<b>\$24.60</b>	63440	\$24.60
7/16	1/2	1/2	2 1/2	3	33839	\$17.60	33840	\$21.90	<b>33841</b>	<b>\$23.50</b>	63441	\$23.50
7/16	1/2	1 1/4	3 1/4	3	33842	\$18.40	33843	\$24.00	<b>33844</b>	<b>\$26.00</b>	63442	\$26.00
7/16	1/2	1 3/4	3 3/4	3	33845	\$21.10	33846	\$26.70	<b>33847</b>	<b>\$28.60</b>	63443	\$28.60
7/16	1/2	2 3/4	4 3/4	3	33848	\$24.00	33849	\$30.70	<b>33850</b>	<b>\$33.10</b>	63444	\$33.10
1/2	1/2	1/2	2 1/2	3	33851	\$16.50	33852	\$20.90	<b>33853</b>	<b>\$22.40</b>	63445	\$22.40
1/2	1/2	1 1/4	3 1/4	3	33854	\$17.60	33855	\$23.20	<b>33856</b>	<b>\$25.20</b>	63446	\$25.20
1/2	1/2	2	4	3	33857	\$20.00	33858	\$25.60	<b>33859</b>	<b>\$27.60</b>	63447	\$27.60
1/2	1/2	3	5	3	33860	\$23.20	33861	\$29.90	<b>33862</b>	<b>\$32.30</b>	63448	\$32.30
5/8	5/8	5/8	2 3/4	3	33863	\$20.80	33864	\$25.80	<b>33865</b>	<b>\$27.50</b>	63449	\$27.50
5/8	5/8	1 5/8	3 3/4	3	33866	\$22.10	33867	\$28.40	<b>33868</b>	<b>\$30.60</b>	63450	\$30.60
5/8	5/8	2	4 1/8	3	33869	\$23.70	33870	\$31.60	<b>33871</b>	<b>\$34.30</b>	63451	\$34.30
5/8	5/8	2 1/2	4 5/8	3	33872	\$25.30	33873	\$33.20	<b>33874</b>	<b>\$35.90</b>	63452	\$35.90
5/8	5/8	3	5 1/8	3	33875	\$33.60	33876	\$42.90	<b>33877</b>	<b>\$46.20</b>	63453	\$46.20
3/4	3/4	3/4	3	3	33878	\$21.90	33879	\$27.90	<b>33880</b>	<b>\$29.90</b>	63454	\$29.90
3/4	3/4	1 5/8	3 7/8	3	33881	\$23.20	33882	\$30.60	<b>33883</b>	<b>\$33.10</b>	63455	\$33.10
3/4	3/4	2 1/4	4 1/2	3	33884	\$27.30	33885	\$36.40	<b>33886</b>	<b>\$39.50</b>	63456	\$39.50
3/4	3/4	3	5 1/4	3	33887	\$31.50	33888	\$42.20	<b>33889</b>	<b>\$45.90</b>	63457	\$45.90
3/4	3/4	4	6 1/4	3	33890	\$40.00	33891	\$52.30	<b>33892</b>	<b>\$56.10</b>	63458	\$56.10
7/8	7/8	1 7/8	4 1/8	3	33893	\$34.10	33894	\$46.60	<b>33895</b>	<b>\$51.00</b>	63459	\$51.00
1	1	1	3 1/2	3	33896	\$35.70	33897	\$46.60	<b>33898</b>	<b>\$50.40</b>	63460	\$50.40
1	1	2	4 1/2	3	33899	\$37.90	33900	\$50.40	<b>33901</b>	<b>\$54.70</b>	63461	\$54.70
1	1	3	5 1/2	3	33902	\$46.40	33903	\$60.40	<b>33904</b>	<b>\$65.30</b>	63462	\$65.30
1	1	4	6 1/2	3	33905	\$54.90	33906	\$70.50	<b>33907</b>	<b>\$75.90</b>	63463	\$75.90
1	1	6	8 1/2	3	33908	\$66.70	33909	\$86.60	<b>33910</b>	<b>\$92.30</b>	63464	\$92.30
1 1/4	1 1/4	2	4 1/2	3	33911	\$57.60	33912	\$73.00	<b>33913</b>	<b>\$78.50</b>	63465	\$78.50
1 1/4	1 1/4	3	5 1/2	3	33914	\$68.30	33915	\$85.70	<b>33916</b>	<b>\$91.80</b>	63466	\$91.80
1 1/4	1 1/4	4	6 1/2	3	33917	\$78.90	33918	\$98.40	<b>33919</b>	<b>\$105.20</b>	63467	\$105.20
1 1/4	1 1/4	6	8 1/2	3	33920	\$115.20	33921	\$140.00	<b>33922</b>	<b>\$148.70</b>	63468	\$148.70
1 1/2	1 1/4	2	4 1/2	3	33923	\$75.20	33924	\$99.50	<b>33925</b>	<b>\$108.00</b>	63469	\$108.00
1 1/2	1 1/4	3	5 1/2	3	33926	\$87.50	33927	\$114.80	<b>33928</b>	<b>\$124.50</b>	63470	\$124.50
1 1/2	1 1/4	4	6 1/2	3	33929	\$99.70	33930	\$130.30	<b>33931</b>	<b>\$141.00</b>	63471	\$141.00
1 1/2	1 1/4	6	8 1/2	3	33932	\$136.00	33933	\$172.90	<b>33934</b>	<b>\$185.90</b>	63472	\$185.90

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### High Performance

### 3 Flute High-Helix HSS End Mill

HSS End Mills

For Aluminum

#### A337 - Single-End, Center-Cutting

- 37° Helix
- M7 High Speed Steel
- Full CNC Ground
- Cylindrical Land
- Eccentric Relief
- Low R<sub>a</sub> Finishes on Cutting Edges
- Reduces Chatter and Squeal



Price Code A

Continuation

Flute Dia	Shank Dia	Length of Cut	Overall Length	# F	Uncoated		TiN		TiCN		TiAlN EDP	TiAlN List
					EDP	List	EDP	List	EDP	List		
2	1 1/4	2	4 1/2	3	33935	\$127.50	33936	\$151.80	<b>33937</b>	<b>\$160.30</b>	63473	\$160.30
2	1 1/4	3	5 1/2	3	33938	\$146.70	33939	\$174.10	<b>33940</b>	<b>\$183.70</b>	63474	\$183.70
2	1 1/4	4	6 1/2	3	33941	\$165.90	33942	\$196.40	<b>33943</b>	<b>\$207.10</b>	63475	\$207.10
2	1 1/4	6	8 1/2	3	33944	\$201.60	33945	\$238.50	<b>33946</b>	<b>\$251.50</b>	63476	\$251.50
2	2	2	5 3/4	3	33947	\$142.40	33948	\$180.10	<b>33949</b>	<b>\$193.30</b>	63477	\$193.30
2	2	4	7 3/4	3	33950	\$184.00	33951	\$232.50	<b>33952</b>	<b>\$249.50</b>	63478	\$249.50
2	2	6	9 3/4	3	33953	\$222.40	33954	\$283.20	<b>33955</b>	<b>\$304.50</b>	63479	\$304.50
2	2	8	11 3/4	3	33956	\$281.60	33957	\$360.90	<b>33958</b>	<b>\$388.70</b>	63480	\$388.70
Flute Dia.		+0.001"	-0.000"	Overall Length		+0.062"	-0.000"	Helix Angle		37°		
Shank Dia.		-0.0001"	-0.0005"					Length of Cut		+0.031"	-0.000"	

**TiCN**  
Recommended

## A337 Series

### High Performance

### 3 Flute High-Helix HSS End Mill

Extended-Reach HSS End Mills

For Aluminum

#### AL337 - Single-End, Center-Cutting

- 37° Helix
- M7 High Speed Steel
- Full CNC Ground
- Cylindrical Land
- Eccentric Relief
- Low R<sub>a</sub> Finishes on Cutting Edges
- Reduces Chatter and Squeal



Price Code A

Flute Dia	Shank Dia	Reach	Overall Length	Length of Cut	# F	Uncoated		TiN		TiCN		TiAlN EDP	TiAlN List
						EDP	List	EDP	List	EDP	List		
1/2	1/2	4	6	1 1/4	3	08688	\$38.30	08714	\$46.20	<b>08738</b>	<b>\$49.00</b>	32042	\$49.00
5/8	5/8	5	7 1/8	1 1/2	3	08694	\$50.00	08718	\$60.80	<b>08746</b>	<b>\$64.60</b>	32043	\$64.60
3/4	3/4	6	8 1/4	2	3	08698	\$67.80	08726	\$82.50	<b>08748</b>	<b>\$87.60</b>	32044	\$87.60
1	1	8	10 1/2	2 1/2	3	08706	\$111.10	08728	\$131.80	<b>08754</b>	<b>\$139.00</b>	32045	\$139.00
1 1/4	1 1/4	10	12 1/2	3 1/2	3	08708	\$196.30	08734	\$234.10	<b>08758</b>	<b>\$243.30</b>	32046	\$243.30
Flute Dia.		+0.001"	-0.000"	Overall Length		+0.062"	-0.000"	Helix Angle		37°			
Shank Dia.		-0.0001"	-0.0005"					Length of Cut		+0.031"	-0.000"		

**TiCN**  
Recommended