



Alro Industrial Supply

Carbide End Mills



- Single End 30 Degree Helix
- Premium Micro Grain Carbide
- Designed for Slotting, Drilling, Pocketing and Other General Applications
- Suitable for Hardened <35 Rc and High Alloy Steels, Steel Castings, Malleable Cast Iron, Brass, Copper, High Silicon Aluminum and Abrasive Plastics

Made in the USA



Square End



Square End				AITiN		Uncoated	
OD	LOC	OAL	Flutes	EDP#	Price	EDP#	Price
1/16	1/4	1-1/2	2	49190004	\$6.16	49120004	\$5.26
1/16	3/16	1-1/2	4	49191004	\$6.16	49121004	\$5.82
1/8	1/2	1-1/2	2	49190008	\$6.16	49120008	\$5.26
1/8	1/2	1-1/2	4	49181008	\$6.16	49121008	\$5.26
3/16	5/8	2	2	49190012	\$9.07	49120012	\$7.71
3/16	5/8	2	4	49181012	\$8.70	49121012	\$7.71
1/4	3/4	2-1/2	2	49190016	\$11.33	49120016	\$9.81
1/4	3/4	2-1/2	4	49192016	\$11.33	49121016	\$9.81
5/16	7/8	2-1/2	2	49190020	\$14.03	49120020	\$11.87
5/16	7/8	2-1/2	4	49181020	\$14.03	49121020	\$11.87
3/8	7/8	2-1/2	2	49190024	\$19.22	49120024	\$16.74
3/8	7/8	2-1/2	4	49121024	\$19.22	49191024	\$16.16
7/16	1	2-1/2	2	49190028	\$25.81	49120028	\$23.18
7/16	1	2-1/2	4	49181028	\$25.81	49121028	\$23.18
1/2	1	3	2	49190032	\$32.69	49120032	\$24.91
1/2	1	3	4	49121032	\$32.69	49181032	\$24.91
5/8	1-1/4	3-1/2	2	49190040	\$59.52	49120040	\$54.46
5/8	1-1/4	3-1/2	4	49181040	\$59.52	49121040	\$54.46
3/4	1-1/2	4	2	49190048	\$81.68	49120048	\$70.02
3/4	1-1/2	4	4	49121048	\$81.68	49181048	\$70.02
1	1-1/2	4	2	49190064	\$133.81	49120064	\$116.72
1	1-1/2	4	4	49121064	\$133.81	49181064	\$116.72

Square End Long



Square End Long				AITiN		Uncoated	
OD	LOC	OAL	Flutes	EDP#	Price	EDP#	Price
1/8	3/4	2-1/4	2	49191008	\$9.81	49111008	\$8.59
1/8	3/4	2-1/4	4	49192008	\$9.81	49112008	\$8.27
3/16	3/4	2-1/2	2	49191012	\$10.86	49111012	\$9.54
3/16	3/4	2-1/2	4	49192012	\$10.86	49112012	\$9.54
1/4	1-1/8	3	2	49191016	\$14.11	49111016	\$11.94
1/4	1-1/8	3	4	49172016	\$14.11	49182016	\$11.94
5/16	1-1/8	3	2	49191020	\$20.35	49111020	\$18.67
5/16	1-1/8	3	4	49192020	\$20.35	49112020	\$18.67
3/8	1-1/8	3	2	49111124	\$25.34	49111024	\$22.42
3/8	1-1/8	3	4	49192024	\$25.34	49112024	\$21.58
7/16	2	4	2	49191028	\$40.75	49111028	\$37.63
1/2	2	4	2	49191032	\$44.98	49111032	\$37.34
1/2	2	4	4	49192032	\$44.98	49112032	\$37.34
5/8	2-1/4	5	2	49191040	\$88.45	49111040	\$77.02
5/8	2-1/4	5	4	49192040	\$88.45	49112040	\$77.02
3/4	2-1/4	5	2	49191048	\$108.43	49111048	\$96.43
3/4	2-1/4	5	4	49192048	\$108.43	49112048	\$96.43
1	2	6	2	49191064	inquire	49111064	inquire
1	2	6	4	49192064	inquire	49112064	inquire

Square End Extra Long



Square End Extra Long				AITiN		Uncoated	
OD	LOC	OAL	Flutes	EDP#	Price	EDP#	Price
1/8	1	3	2	49196008	\$13.76	49126008	\$12.06
1/8	1	3	4	49175008	\$13.76	49165008	\$12.06
3/16	1	4	2	49196904	\$15.44	49126904	\$13.66
3/16	1	4	4	49195904	\$15.44	49165904	\$14.64
3/16	1-1/8	3	2	49196012	\$15.10	49126012	\$13.62
3/16	1-1/8	3	4	49185012	\$15.10	49165012	\$13.62
1/4	1-1/2	4	2	49191602	\$20.91	49101602	\$17.12
1/4	1-1/2	4	4	49185016	\$20.91	49165016	\$17.12
1/4	1-1/2	6	2	49196901	\$26.99	49126901	\$21.95
1/4	1-1/2	6	4	49195901	\$26.99	49165901	\$21.95
5/16	1-5/8	4	2	49196020	\$26.85	49126020	\$21.15
5/16	1-5/8	4	4	49185020	\$26.85	49165020	\$21.15
3/8	1-1/2	6	2	49196902	\$41.54	49126902	\$33.62
3/8	1-1/2	6	4	49195902	\$41.54	49165902	\$33.62

Square End Extra Long				AITiN		Uncoated	
OD	LOC	OAL	Flutes	EDP#	Price	EDP#	Price
3/8	1-3/4	4	2	49192402	\$31.73	49102402	\$27.22
3/8	1-3/4	4	4	49185024	\$31.73	49165024	\$27.22
7/16	3	6	2	49196028	\$54.46	49126028	\$43.86
7/16	3	6	4	49185028	\$54.46	49165028	\$43.86
1/2	3	6	2	49176032	\$77.20	49126032	\$65.36
1/2	3	6	4	49185032	\$77.20	49165032	\$65.36
1/2	1-1/2	6	2	49196903	\$71.25	49196032	\$58.54
1/2	1-1/2	6	4	49195903	\$71.25	49165903	\$58.54
5/8	3	6	2	49196040	\$105.02	49126040	\$91.81
5/8	3	6	4	49195040	\$105.02	49165040	\$91.81
3/4	3	6	2	49194801	\$152.98	49104801	\$136.91
3/4	3	6	4	49195048	\$152.98	49165048	\$136.91
1	3	6	2	49196064	\$212.94	49126064	\$191.31
1	3	6	4	49185064	\$212.94	49165064	\$191.31

Prices expire December 31, 2019



Alro Industrial Supply

Carbide End Mills



Corner Radius End Mills



Corner Radius End Mills					AITiN		Uncoated	
OD	LOC	OAL	Flutes	Radius	EDP#	Price	EDP#	Price
1/8	1/2	1-1/2	4	.015	49114011	\$7.92	49111401	\$6.68
1/8	1/2	1-1/2	4	.020	49114021	\$7.92	49111402	\$6.68
3/16	5/8	2	4	.015	49114111	\$11.60	49111411	\$9.82
3/16	5/8	2	4	.020	49114121	\$11.60	49111412	\$9.82
1/4	3/4	2-1/2	4	.015	49114211	\$15.65	49111421	\$12.48
1/4	3/4	2-1/2	4	.020	49114221	\$15.65	49111422	\$12.48
1/4	3/4	2-1/2	4	.030	49114231	\$15.65	49111423	\$12.48
5/16	13/16	2-1/2	4	.020	49114321	\$20.38	49111432	\$15.68
5/16	13/16	2-1/2	4	.030	49114331	\$20.38	49111433	\$15.68
3/8	1	2-1/2	4	.020	49114421	\$23.87	49111442	\$19.17

Corner Radius End Mills					AITiN		Uncoated	
OD	LOC	OAL	Flutes	Radius	EDP#	Price	EDP#	Price
3/8	1	2-1/2	4	.030	49114431	\$23.87	49111443	\$19.17
1/2	1	3	4	.020	49114521	\$34.95	49111452	\$28.53
1/2	1	3	4	.030	49114531	\$34.95	49111453	\$28.53
5/8	1-1/4	3-1/2	4	.030	49114631	\$71.70	49111463	\$62.40
5/8	1-1/4	3-1/2	4	.045	49114641	\$71.70	49111464	\$62.40
3/4	1-1/2	4	4	.030	49114731	\$91.58	49111473	\$80.23
3/4	1-1/2	4	4	.045	49114741	\$91.58	49111474	\$80.23
1	1-1/2	4	4	.030	49114831	\$121.58	49111483	\$145.88
1	1-1/2	4	4	.045	49114841	\$121.58	49111484	\$145.88



Ball Nose & Ball Nose Long

Ball Nose				AITiN		Uncoated	
OD	LOC	OAL	Flutes	EDP#	Price	EDP#	Price
1/8	1/2	1-1/2	2	49199008	\$7.68	49149008	\$7.31
1/8	1/2	1-1/2	4	49159008	\$8.85	49150008	\$7.31
3/16	5/8	2	2	49199012	\$10.70	49149012	\$9.58
3/16	5/8	2	4	49159012	\$12.85	49150012	\$10.29
1/4	3/4	2-1/2	2	49199016	\$14.19	49149016	\$13.15
1/4	3/4	2-1/2	4	49159016	\$17.02	49150016	\$13.15
5/16	7/8	2-1/2	2	49199020	\$16.32	49149020	\$14.00
5/16	7/8	2-1/2	4	49159020	\$19.30	49150020	\$16.80
3/8	7/8	2-1/2	2	49199024	\$20.22	49149024	\$17.42
3/8	7/8	2-1/2	4	49159024	\$26.37	49150024	\$20.91
7/16	1	2-3/4	2	49199028	\$29.50	49149028	\$26.19
7/16	1	2-3/4	4	49159028	\$36.88	49150028	\$29.09
1/2	1	3	2	49199032	\$34.38	49149032	\$31.90
1/2	1	3	4	49159032	\$39.68	49150032	\$31.90
5/8	1-1/4	3-1/2	2	49199040	\$66.78	49149040	\$57.06
5/8	1-1/4	3-1/2	4	49159040	\$80.13	49150040	\$68.46
3/4	1-1/2	4	2	49199048	\$95.30	49149048	\$83.63
3/4	1-1/2	4	4	49159048	\$95.30	49150048	\$83.64
1	1-1/2	4	2	49199064	\$161.04	49149064	\$143.94
1	1-1/2	4	4	49159064	\$161.04	49150064	\$143.94

Ball Nose Long				AITiN		Uncoated	
OD	LOC	OAL	Flutes	EDP#	Price	EDP#	Price
1/8	1	3	2	49198008	\$15.87	49118008	\$14.16
1/8	1	3	4	49182008	\$15.87	49162008	\$14.16
3/16	1	4	2	49198904	\$21.49	49118904	\$16.80
3/16	1	4	4	49192907	\$21.49	49162907	\$16.80
3/16	1-1/8	3	2	49198012	\$21.10	49118012	\$17.02
3/16	1-1/8	3	4	49182012	\$21.10	49162012	\$17.02
1/4	1-1/2	4	2	49198016	\$24.42	49118016	\$21.38
1/4	1-1/2	4	4	49152016	\$24.42	49162016	\$21.38
1/4	1-1/2	6	2	49198901	\$29.81	49118901	\$24.74
1/4	1-1/2	6	4	49192901	\$29.81	49162901	\$24.74
5/16	1-5/8	4	2	49198020	\$30.59	49118020	\$24.91
5/16	1-5/8	4	4	49182020	\$30.59	49162020	\$24.91
3/8	1-1/2	6	2	49198902	\$44.51	49118902	\$36.58
3/8	1-1/2	6	4	49192902	\$44.51	49162902	\$36.58
3/8	1-3/4	4	2	49198024	\$38.35	49118024	\$32.69
3/8	1-3/4	4	4	49182024	\$38.35	49162024	\$32.69
7/16	3	6	2	49198028	\$63.79	49118028	\$53.22
7/16	3	6	4	49182028	\$63.79	49162028	\$53.22
1/2	3	6	2	49198032	\$78.34	49118032	\$70.19
1/2	3	6	4	49172032	\$84.13	49182032	\$70.19
1/2	1-1/2	6	4	49192903	\$71.89	49162903	\$64.59
5/8	3	6	2	49198040	\$116.08	49118040	\$102.86
5/8	3	6	4	49182040	\$116.08	49162040	\$102.86
3/4	3	6	2	49198048	\$169.44	49118048	\$153.42
3/4	3	6	4	49182048	\$169.44	49162048	\$153.42
1	3	6	2	49198064	\$246.70	49118064	\$225.07
1	3	6	4	49172064	\$246.70	49182064	\$225.07

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Alro Industrial Supply is your one stop shop for high quality End Mills!

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