

**Solid Carbide End Mill**  
**4 Flute 45° Helix**  
**AlTiN Coated**

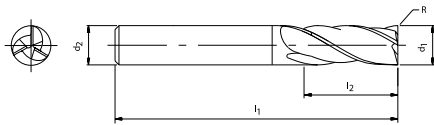


**Design Specs**

- Standard performance carbide end mill
- AlTiN Coated - Other upon request
- Slotting/Side/Face/Profile Milling
- Special Steps/Lengths upon request
- Greater chip clearance

**Application:**

Outstanding performance in milling Stainless Steel, Tool Steel, Copper, Bronze and General Purpose



d <sub>1</sub> Diameter	d <sub>2</sub> Shank	l <sub>2</sub> LOC	l <sub>1</sub> OAL	Square EDP#	Coated Price	.010	.020	.030	.060	.090	.125	Coated Price	Ball EDP#	Coated Price
3/16	3/16	3/8	2"	<b>22000C</b>	\$16.79	<b>22002C</b>						\$20.15		\$20.15
3/16	3/16	5/8	2"	<b>22020C</b>	\$17.10	<b>22022C</b>						\$20.52		\$20.52
1/4	1/4	3/8	2-1/2	<b>22040C</b>	\$25.52		<b>22044C</b>	<b>22046C</b>	<b>22048C</b>			\$30.62		\$30.62
1/4	1/4	1/2	2"	<b>22060C</b>	\$24.47		<b>22064C</b>	<b>22066C</b>	<b>22068C</b>			\$29.36		\$29.36
1/4	1/4	1"	2-1/2	<b>22080C</b>	\$29.40		<b>22084C</b>	<b>22086C</b>	<b>22088C</b>			\$35.28		\$35.28
1/4	1/4	2"	4"	<b>22100C</b>	\$47.25		<b>22104C</b>	<b>22106C</b>	<b>22108C</b>			\$56.70		\$56.70
5/16	5/16	1/2	2-1/2	<b>22120C</b>	\$33.29		<b>22124C</b>	<b>22126C</b>				\$39.95		\$39.95
5/16	5/16	3/4	2-1/2	<b>22140C</b>	\$33.92		<b>22144C</b>	<b>22146C</b>				\$40.70		\$40.70
5/16	5/16	1-3/8	3"	<b>22160C</b>	\$48.51		<b>22164C</b>	<b>22166C</b>				\$58.21		\$58.21
3/8	3/8	5/8	2-1/2	<b>22180C</b>	\$35.39		<b>22184C</b>	<b>22186C</b>	<b>22188C</b>			\$42.47		\$42.47
3/8	3/8	3/4	2-1/2	<b>22200C</b>	\$36.33		<b>22204C</b>	<b>22206C</b>	<b>22208C</b>			\$43.60		\$43.60
3/8	3/8	1-1/8	2-1/2	<b>22220C</b>	\$40.11		<b>22224C</b>	<b>22226C</b>	<b>22228C</b>			\$48.13		\$48.13
3/8	3/8	2"	4"	<b>22240C</b>	\$58.59		<b>22244C</b>	<b>22246C</b>	<b>22248C</b>			\$70.31		\$70.31
1/2	1/2	3/4	3"	<b>22260C</b>	\$57.33		<b>22264C</b>	<b>22266C</b>	<b>22268C</b>			\$68.80		\$68.80
1/2	1/2	1-1/4	3"	<b>22280C</b>	\$59.85		<b>22284C</b>	<b>22286C</b>	<b>22288C</b>			\$71.82		\$71.82
1/2	1/2	2"	4"	<b>22300C</b>	\$87.36		<b>22304C</b>	<b>22306C</b>	<b>22308C</b>			\$104.83		\$104.83
5/8	5/8	1-3/4	3-1/2	<b>22320C</b>	\$109.41			<b>22326C</b>	<b>22328C</b>	<b>22330C</b>	<b>22332C</b>	\$131.29	<b>22334C</b>	\$131.29
5/8	5/8	3"	6"	<b>22340C</b>	\$169.37			<b>22346C</b>	<b>22348C</b>	<b>22350C</b>	<b>22352C</b>	\$203.24	<b>22354C</b>	\$203.24
3/4	3/4	1-3/4	4"	<b>22360C</b>	\$142.17				<b>22368C</b>	<b>22370C</b>	<b>22372C</b>	\$170.60	<b>22374C</b>	\$170.60
3/4	3/4	3"	6"	<b>22380C</b>	\$229.01				<b>22388C</b>	<b>22390C</b>	<b>22392C</b>	\$274.81	<b>22394C</b>	\$274.81
1"	1"	1-7/8	4"	<b>22400C</b>	\$234.47				<b>22408C</b>	<b>22410C</b>	<b>22412C</b>	\$281.36	<b>22414C</b>	\$281.36
1"	1"	3"	6"	<b>22420C</b>	\$360.36				<b>22428C</b>	<b>22430C</b>	<b>22432C</b>	\$432.43	<b>22434C</b>	\$432.43

\*Non-standard requirements are available upon request including length, chamfer and radius with different tolerances

**Extended Neck Reach**

Diameter	Shank	LOC	OAL	LBS	Neck	Square EDP#	Coated Price	Radius EDP#	Coated Price	Ball EDP#	Coated Price
3/8	3/8	1/2	4"	2-1/8	.355	<b>22500C</b>	\$63.88	<b>22502C</b>	\$68.88	<b>22512C</b>	\$68.88
3/8	3/8	1/2	6"	3-3/8	.355	<b>22520C</b>	\$86.25	<b>22522C</b>	\$91.25	<b>22532C</b>	\$91.25
1/2	1/2	5/8	4"	2-1/4	.475	<b>22540C</b>	\$97.27	<b>22542C</b>	\$102.27	<b>22552C</b>	\$102.27
1/2	1/2	5/8	6"	3-3/8	.475	<b>22560C</b>	\$131.29	<b>22562C</b>	\$136.29	<b>22572C</b>	\$136.29
1/2	1/2	5/8	8"	4-1/2	.475	<b>22580C</b>	\$170.14	<b>22582C</b>	\$175.14	<b>22592C</b>	\$175.14
5/8	5/8	3/4	4"	2-3/8	.593	<b>22600C</b>	\$142.53	<b>22602C</b>	\$147.53	<b>22612C</b>	\$147.53
5/8	5/8	3/4	6"	3-3/8	.593	<b>22620C</b>	\$192.19	<b>22622C</b>	\$197.19	<b>22632C</b>	\$197.19
5/8	5/8	3/4	8"	4-1/2	.593	<b>22640C</b>	\$251.41	<b>22642C</b>	\$256.41	<b>22652C</b>	\$256.41
3/4	3/4	1"	6"	3-3/8	.712	<b>22660C</b>	\$273.36	<b>22662C</b>	\$278.36	<b>22672C</b>	\$278.36
3/4	3/4	1"	8"	4-1/2	.712	<b>22680C</b>	\$350.43	<b>22682C</b>	\$355.43	<b>22692C</b>	\$355.43
3/4	3/4	1"	12"	7"	.712	<b>22700C</b>	\$474.43	<b>22702C</b>	\$479.43	<b>22612C</b>	\$479.43
1"	1"	1-1/4	6"	3-3/8	.950	<b>22720C</b>	\$422.14	<b>22722C</b>	\$427.14	<b>22632C</b>	\$427.14
1"	1"	1-1/4	8"	4-1/2	.950	<b>22740C</b>	\$542.26	<b>22742C</b>	\$547.26	<b>22652C</b>	\$547.26
1"	1"	1-1/4	12"	7"	.950	<b>22760C</b>	\$747.85	<b>22762C</b>	\$752.85	<b>22672C</b>	\$752.85

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