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Amana Tool CNC Mini End Mill Steel, Stainless Steel & Composite Cutting Solid Carbide Spiral Router Bits

Thank you for shopping with us!

High performance, designed for micro applications. Micro machining applications involve miniature tooling that requires very high attention to tolerances and detail in their construction. These Amana Tool CNC Mini End Mill Steel, Stainless Steel & Composite Cutting Solid Carbide Spiral Router Bits incorporate 30 degree helixes and AlTiN coating to insure a high degree of precision. Miniature end mills also routinely require RPMs in excess of 40,000 RPMS or more, so attention to both RPM capacity and accurate chip-loads is mandatory. Choose 2-flute endmills for efficient vertical plunging, pocketing, and slotting operations. 4-fluted tools offer the promise of improved surface finishes, longer service life, and increased feed rates with peripheral milling applications. Excellent for cutting: •Stainless Steel •Steel •Titanium •Cast Iron •Cermets* •Magnesium •Plastic *Cermets are composites in which ceramic materials and metals join together. AlTiN coating has many benefits: •Extra wear resistance •Allows for faster feed and speed rates •Cutting edge protected from wear •Better chip evacuation •Less heat build up •Superior cutting quality and extended tool life Please note: For optimal results and to extend tool life when trimming/cutting, please use mist lubricant system or air cooling. Please inspect cut and adjust accordingly. **Warning:** Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.

Item #	Manufacturer	Diameter	Cut Height, Length, or Width	Flute	Note	Overall Length	Radius	Shank	Type	Price
51750	Amana Tool	45/64 in	0.030 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	4 3/4 in	0.0050 in	1/8 in	Ball End	\$48.79

51740	Amana Tool	11/16 in	0.045 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	4 1/2 in	0.0075 in	1/8 in	Ball End	\$41.70
51751	Amana Tool	0.015 in	0.045 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0075 in	1/8 in	Ball End	\$48.79
51741	Amana Tool	0.020 in	0.060 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.010 in	1/8 in	Ball End	\$38.44
51752	Amana Tool	0.020 in	0.060 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.010 in	1/8 in	Ball End	\$48.79
51742	Amana Tool	0.025 in	0.075 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0125 in	1/8 in	Ball End	\$35.18
51753	Amana Tool	0.025 in	0.075 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0125 in	1/8 in	Ball End	\$48.79
51743	Amana Tool	0.030 in	0.090 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0150 in	1/8 in	Ball End	\$35.18
51754	Amana Tool	0.030 in	0.090 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0150 in	1/8 in	Ball End	\$41.78

51744	Amana Tool	0.035 in	0.105 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0175 in	1/8 in	Ball End	\$32.18
51755	Amana Tool	0.035 in	0.105 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0175 in	1/8 in	Ball End	\$49.69
51745	Amana Tool	0.040 in	0.125 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0200 in	1/8 in	Ball End	\$32.18
51756	Amana Tool	0.040 in	0.125 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.200 in	1/8 in	Ball End	\$41.78
51746	Amana Tool	0.045 in	0.135 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0225 in	1/8 in	Ball End	\$32.18
51757	Amana Tool	0.045 in	0.135 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.225 in	1/8 in	Ball End	\$41.78
51747	Amana Tool	0.050 in	0.174 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0250 in	1/8 in	Ball End	\$30.38
51758	Amana Tool	0.050 in	0.174 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0250 in	1/8 in	Ball End	\$37.46

51748	Amana Tool	0.055 in	0.267 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0275 in	1/8 in	Ball End	\$30.38
51759	Amana Tool	0.055 in	0.267 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.275 in	1/8 in	Ball End	\$37.39
51749	Amana Tool	0.060 in	0.360 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.030 in	1/8 in	Ball End	\$30.38
51760	Amana Tool	23/32 in	0.360 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	4 3/4 in	0.030 in	1/8 in	Ball End	\$37.39
51660	Amana Tool	9/16 in	0.030 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	4 in	--	1/8 in	Square End	\$37.88
51719	Amana Tool	0.010 in	0.030 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$48.30
51661	Amana Tool	0.015 in	0.045 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$33.45
51720	Amana Tool	21/32 in	0.045 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	4 1/2 in	--	1/8 in	Square End	\$33.45

51662	Amana Tool	0.020 in	0.060 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$31.24
51721	Amana Tool	0.020 in	0.060 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$32.96
51663	Amana Tool	0.025 in	0.075 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$28.58
51722	Amana Tool	0.025 in	0.075 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$32.96
51664	Amana Tool	0.030 in	0.090 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$28.58
51723	Amana Tool	0.030 in	0.090 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$28.58
51665	Amana Tool	0.035 in	0.105 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$25.99
51724	Amana Tool	0.035 in	0.105 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$28.58

51666	Amana Tool	0.040 in	0.120 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$25.99
51725	Amana Tool	0.040 in	0.120 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$28.58
51667	Amana Tool	0.045 in	0.135 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$25.99
51726	Amana Tool	0.045 in	0.135 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$28.58
51668	Amana Tool	0.050 in	0.174 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$24.64
51727	Amana Tool	0.050 in	0.174 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$30.38
51669	Amana Tool	0.055 in	0.267 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$24.64
51728	Amana Tool	0.055 in	0.267 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$30.38

51679	Amana Tool	0.060 in	0.360 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$24.64
51729	Amana Tool	0.060 in	0.360 in	4	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	--	1/8 in	Square End	\$30.38
51739	Amana Tool	0.010 in	0.030 in	2	Warning: Due to the extremely small diameters involved, please exercise caution to the accurate calculations of all feed and speed rates.	1 1/2 in	0.0050 in	1/8 in	Ball End	\$47.44