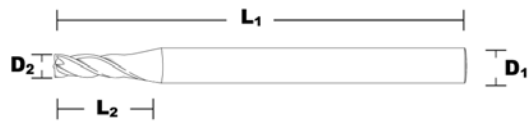


MINIATURE ENDMILLS-SOLID CARBIDE

MINIATURE ENDMILLS

CENTER CUTTING, 30° HELIX
1/8" Shank, 1-1/2" OAL



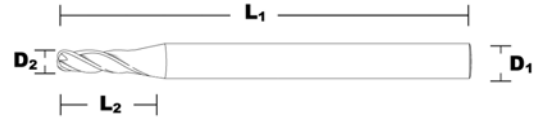
SQUARE END-2 & 4 FLUTE

- Manufactured from the highest quality carbide material with 10% cobalt
- Sinter Hipped- C2 grade, micrograin carbide
- Miniature and subminiature

Cutting Dia	LOC	2 Flute		4 Flute		Cutting Dia	LOC	2 Flute		4 Flute		Cutting Dia	LOC	2 Flute		4 Flute	
		Part Number	Part Number	Price Each	Part Number			Part Number	Price Each	Part Number	Part Number			Price Each	Part Number	Part Number	Price Each
.005	0.0150	MO-100010	MO-100410	\$25.45		.030	0.0900	MO-100110	MO-100510	\$10.91		.055	0.1650	MO-100210	MO-100610	\$5.91	
.006	0.0180	MO-200110	MO-205110	\$25.45		.031	0.0930	MO-200360	MO-205360	\$7.27		.056	0.1680	MO-200610	MO-205610	\$5.91	
.007	0.0210	MO-200120	MO-205120	\$25.45		.032	0.0960	MO-200370	MO-205370	\$7.27		.057	0.1710	MO-200620	MO-205620	\$5.91	
.008	0.0240	MO-200130	MO-205130	\$25.45		.033	0.0990	MO-200380	MO-205380	\$7.27		.058	0.1740	MO-200630	MO-205630	\$5.91	
.009	0.0270	MO-200140	MO-205140	\$25.45		.034	0.1020	MO-200390	MO-205390	\$7.27		.059	0.1770	MO-200640	MO-205640	\$5.91	
.010	0.0300	MO-100030	MO-100430	\$14.55		.035	0.1050	MO-100130	MO-100530	\$7.27		.060	0.1800	MO-100230	MO-100630	\$5.91	
.011	0.0330	MO-200160	MO-205160	\$14.55		.036	0.1080	MO-200410	MO-205410	\$7.27		.061	0.1830	MO-200660	MO-205660	\$5.91	
.012	0.0360	MO-200170	MO-205170	\$14.55		.037	0.1110	MO-200420	MO-205420	\$7.27		.062	0.1860	MO-200670	MO-205670	\$5.91	
.013	0.0390	MO-200180	MO-205180	\$14.55		.038	0.1140	MO-200430	MO-205430	\$7.27		.063	0.1890	MO-200680	MO-205680	\$5.91	
.014	0.0420	MO-200190	MO-205190	\$14.55		.039	0.1170	MO-200440	MO-205440	\$7.27		.064	0.1920	MO-200690	MO-205690	\$5.91	
.015	0.0450	MO-100050	MO-100450	\$14.55		.040	0.1200	MO-100150	MO-100550	\$7.27		.065	0.1950	MO-100250	MO-100650	\$5.91	
.016	0.0480	MO-200210	MO-205210	\$14.55		.041	0.1230	MO-200460	MO-205460	\$7.27		.070	0.2100	MO-100270	MO-100670	\$5.91	
.017	0.0510	MO-200220	MO-205220	\$14.55		.042	0.1260	MO-200470	MO-205470	\$7.27		.075	0.2250	MO-100290	MO-100690	\$5.91	
.018	0.0540	MO-200230	MO-205230	\$14.55		.043	0.1290	MO-200480	MO-205480	\$7.27		.080	0.2400	MO-100310	MO-100710	\$5.91	
.019	0.0570	MO-200240	MO-205240	\$14.55		.044	0.1320	MO-200490	MO-205490	\$7.27		.085	0.2550	MO-100330	MO-100730	\$5.91	
.020	0.0600	MO-100070	MO-100470	\$10.91		.045	0.1350	MO-100170	MO-100570	\$7.27		.090	0.2700	MO-100350	MO-100750	\$5.91	
.021	0.0630	MO-200260	MO-205260	\$10.91		.046	0.1380	MO-200510	MO-205510	\$7.27		.095	0.2850	MO-100370	MO-100770	\$5.91	
.022	0.0660	MO-200270	MO-205270	\$10.91		.047	0.1410	MO-200520	MO-205520	\$7.27		.100	0.3000	MO-100390	MO-100790	\$5.91	
.023	0.0690	MO-200280	MO-205280	\$10.91		.048	0.1440	MO-200530	MO-205530	\$7.27		.105	0.3150	MO-100401	MO-100801	\$5.91	
.024	0.0720	MO-200290	MO-205290	\$10.91		.049	0.1470	MO-200540	MO-205540	\$7.27		.110	0.3300	MO-100403	MO-100803	\$5.91	
.025	0.0750	MO-100090	MO-100490	\$10.91		.050	0.1500	MO-100190	MO-100590	\$5.91		.115	0.3450	MO-100406	MO-100805	\$5.91	
.026	0.0780	MO-200310	MO-205310	\$10.91		.051	0.1530	MO-200560	MO-205560	\$5.91		.120	0.3600	MO-100408	MO-100807	\$5.91	
.027	0.0810	MO-200320	MO-205320	\$10.91		.052	0.1560	MO-200570	MO-205570	\$5.91							
.028	0.0840	MO-200330	MO-205330	\$10.91		.053	0.1590	MO-200580	MO-205580	\$5.91							
.029	0.0870	MO-200340	MO-205340	\$10.91		.054	0.1620	MO-200590	MO-205590	\$5.91							

BALL END-2 & 4 FLUTE

- Manufactured from the highest quality carbide material with 10% cobalt
- Sinter Hipped- C2 grade, micro-grain carbide
- Miniature and subminiature



Cutting Dia	LOC	2 Flute		4 Flute		Cutting Dia	LOC	2 Flute		4 Flute		Cutting Dia	LOC	2 Flute		4 Flute	
		Part Number	Part Number	Price Each	Part Number			Part Number	Price Each	Part Number	Part Number			Price Each	Part Number	Part Number	Price Each
.010	0.0300	MO-320010	MO-340010	\$22.73		.035	0.1050	MO-320035	MO-340035	\$10.00		.060	0.1800	MO-320060	MO-340060	\$8.64	
.011	0.0330	MO-320011	MO-340011	\$22.73		.036	0.1080	MO-320036	MO-340036	\$10.00		.061	0.1830	MO-320061	MO-340061	\$8.64	
.012	0.0360	MO-320012	MO-340012	\$22.73		.037	0.1110	MO-320037	MO-340037	\$10.00		.062	0.1860	MO-320062	MO-340062	\$8.64	
.013	0.0390	MO-320013	MO-340013	\$22.73		.038	0.1140	MO-320038	MO-340038	\$10.00		.063	0.1890	MO-320063	MO-340063	\$8.64	
.014	0.0420	MO-320014	MO-340014	\$22.73		.039	0.1170	MO-320039	MO-340039	\$10.00		.064	0.1920	MO-320064	MO-340064	\$8.64	
.015	0.0450	MO-320015	MO-340015	\$22.73		.040	0.1200	MO-320040	MO-340040	\$10.00		.065	0.1950	MO-320065	MO-340065	\$8.64	
.016	0.0480	MO-320016	MO-340016	\$20.00		.041	0.1230	MO-320041	MO-340041	\$10.00		.070	0.2100	MO-320070	MO-340070	\$8.64	
.017	0.0510	MO-320017	MO-340017	\$20.00		.042	0.1260	MO-320042	MO-340042	\$10.00		.075	0.2250	MO-320075	MO-340075	\$8.64	
.018	0.0540	MO-320018	MO-340018	\$20.00		.043	0.1290	MO-320043	MO-340043	\$10.00		.080	0.2400	MO-320080	MO-340080	\$8.64	
.019	0.0570	MO-320019	MO-340019	\$20.00		.044	0.1320	MO-320044	MO-340044	\$10.00		.085	0.2550	MO-320085	MO-340085	\$8.64	
.020	0.0600	MO-320020	MO-340020	\$20.00		.045	0.1350	MO-320045	MO-340045	\$10.00		.090	0.2700	MO-320090	MO-340090	\$8.64	
.021	0.0630	MO-320021	MO-340021	\$20.00		.046	0.1380	MO-320046	MO-340046	\$10.00		.095	0.2850	MO-320100	MO-340095	\$8.64	
.022	0.0660	MO-320022	MO-340022	\$20.00		.047	0.1410	MO-320047	MO-340047	\$10.00		.100	0.3000	MO-320110	MO-340100	\$8.64	
.023	0.0690	MO-320023	MO-340023	\$20.00		.048	0.1440	MO-320048	MO-340048	\$10.00		.105	0.3150	MO-320105	MO-340105	\$8.64	
.024	0.0720	MO-320024	MO-340024	\$20.00		.049	0.1470	MO-320049	MO-340049	\$10.00		.110	0.3300	MO-320110	MO-340110	\$8.64	
.025	0.0750	MO-320025	MO-340025	\$15.45		.050	0.1500	MO-320050	MO-340050	\$10.00		.115	0.3450	MO-320115	MO-340115	\$8.64	
.026	0.0780	MO-320026	MO-340026	\$15.45		.051	0.1530	MO-320051	MO-340051	\$10.00		.120	0.3600	MO-320120	MO-340120	\$8.64	
.027	0.0810	MO-320027	MO-340027	\$15.45		.052	0.1560	MO-320052	MO-340052	\$10.00							
.028	0.0840	MO-320028	MO-340028	\$15.45		.053	0.1590	MO-320053	MO-340053	\$10.00							
.029	0.0870	MO-320029	MO-340029	\$15.45		.054	0.1620	MO-320054	MO-340054	\$10.00							
.030	0.0900	MO-320030	MO-340030	\$10.00		.055	0.1650	MO-320055	MO-340055	\$10.00							
.031	0.0930	MO-320031	MO-340031	\$10.00		.056	0.1680	MO-320056	MO-340056	\$10.00							
.032	0.0960	MO-320032	MO-340032	\$10.00		.057	0.1710	MO-320057	MO-340057	\$10.00							
.033	0.0990	MO-320033	MO-340033	\$10.00		.058	0.1740	MO-320058	MO-340058	\$10.00							
.034	0.1020	MO-320034	MO-340034	\$10.00		.059	0.1770	MO-320059	MO-340059	\$10.00							

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MINIATURE BALL END MILLS

2 Flute - Center Cutting - 30° Helix

MICRO 100

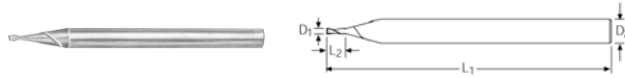


Cutter D1	Shank D2	OAL L1	Flute L2	Part Number	Price Each
0.010	1/8	1-1/2	0.030	MI-BMR0102	\$33.90
0.011			0.033	MI-BMR0112	\$30.75
0.012			0.036	MI-BMR0122	\$30.75
0.013			0.039	MI-BMR0132	\$26.10
0.014			0.042	MI-BMR0142	\$26.10
0.015	1/8	1-1/2	0.045	MI-BMR0152	\$20.65
0.016			0.048	MI-BMR0162	\$20.65
0.017			0.051	MI-BMR0172	\$20.65
0.018			0.054	MI-BMR0182	\$20.65
0.019			0.057	MI-BMR0192	\$20.65
0.020	1/8	1-1/2	0.060	MI-BMR0202	\$19.15
0.021			0.063	MI-BMR0212	\$19.15
0.022			0.066	MI-BMR0222	\$19.15
0.023			0.069	MI-BMR0232	\$19.15
0.024			0.072	MI-BMR0242	\$19.15
0.025	1/8	1-1/2	0.075	MI-BMR0252	\$19.15
0.026			0.078	MI-BMR0262	\$17.40
0.027			0.081	MI-BMR0272	\$17.40
0.028			0.084	MI-BMR0282	\$17.40
0.029			0.087	MI-BMR0292	\$17.40
0.030	0.090	MI-BMR0302	\$17.40		

MINIATURE END MILLS

2 Flute - Center Cutting - 30° Helix

MICRO 100



Cutter D1	Shank D2	OAL L1	Flute L2	Part Number	Price Each
0.010	1/8	1-1/2	0.03	MI-RME0102	\$29.50
0.011			0.033	MI-RME0112	\$26.70
0.012			0.036	MI-RME0122	\$26.70
0.013			0.039	MI-RME0132	\$22.70
0.014			0.042	MI-RME0142	\$22.70
0.015	1/8	1-1/2	0.045	MI-RME0152	\$18.00
0.016			0.048	MI-RME0162	\$18.00
0.017			0.051	MI-RME0172	\$18.00
0.018			0.054	MI-RME0182	\$18.00
0.019			0.057	MI-RME0192	\$18.00
0.020	1/8	1-1/2	0.060	MI-RME0202	\$16.60
0.021			0.063	MI-RME0212	\$16.60
0.022			0.066	MI-RME0222	\$16.60
0.023			0.069	MI-RME0232	\$16.60
0.024			0.072	MI-RME0242	\$16.60
0.025	1/8	1-1/2	0.075	MI-RME0252	\$16.60
0.026			0.078	MI-RME0262	\$14.05
0.027			0.081	MI-RME0272	\$14.05
0.028			0.084	MI-RME0282	\$14.05
0.029			0.087	MI-RME0292	\$14.05
0.030	0.090	MI-RME0302	\$14.05		

MINIATURE STUB BALL END MILLS

2 Flute - Center Cutting - 30° Helix

MICRO 100



Cutter D1	Shank D2	OAL L1	Flute L2	Part Number	Price Each
0.010	1/8	1-1/2	0.015	MI-BMS0102	\$32.45
0.011			0.016	MI-BMS0112	\$29.30
0.012			0.018	MI-BMS0122	\$29.30
0.013			0.019	MI-BMS0132	\$24.95
0.014			0.021	MI-BMS0142	\$24.95
0.015	1/8	1-1/2	0.022	MI-BMS0152	\$19.90
0.016			0.024	MI-BMS0162	\$19.90
0.017			0.025	MI-BMS0172	\$19.90
0.018			0.027	MI-BMS0182	\$19.90
0.019			0.028	MI-BMS0192	\$19.90
0.020	1/8	1-1/2	0.030	MI-BMS0202	\$18.25
0.021			0.031	MI-BMS0212	\$18.25
0.022			0.033	MI-BMS0222	\$18.25
0.023			0.034	MI-BMS0232	\$18.25
0.024			0.036	MI-BMS0242	\$16.70
0.025	1/8	1-1/2	0.037	MI-BMS0252	\$18.25
0.026			0.039	MI-BMS0262	\$16.65
0.027			0.040	MI-BMS0272	\$16.65
0.028			0.042	MI-BMS0282	\$16.65
0.029			0.043	MI-BMS0292	\$16.65
0.030	0.045	MI-BMS0302	\$16.65		

MINIATURE STUB END MILLS

2 Flute Center Cutting - 30° Helix

MICRO 100



Cutter D1	Shank D2	OAL L1	Flute L2	Part Number	Price Each
0.005	1/8	1-1/2	0.007	MI-SME0052	\$36.65
0.006			0.009	MI-SME0062	\$36.65
0.007			0.010	MI-SME0072	\$31.05
0.008			0.012	MI-SME0082	\$31.05
0.009			0.013	MI-SME0092	\$28.20
0.010	1/8	1-1/2	0.015	MI-SME0102	\$28.20
0.011			0.016	MI-SME0112	\$25.50
0.012			0.018	MI-SME0122	\$25.50
0.013			0.019	MI-SME0132	\$21.70
0.014			0.021	MI-SME0142	\$21.70
0.015	1/8	1-1/2	0.022	MI-SME0152	\$17.25
0.016			0.024	MI-SME0162	\$17.25
0.017			0.025	MI-SME0172	\$17.25
0.018			0.027	MI-SME0182	\$17.25
0.019			0.028	MI-SME0192	\$17.25
0.020	1/8	1-1/2	0.030	MI-SME0202	\$15.90
0.021			0.031	MI-SME0212	\$15.90
0.022			0.033	MI-SME0222	\$15.90
0.023			0.034	MI-SME0232	\$15.90
0.024			0.036	MI-SME0242	\$15.90
0.025	1/8	1-1/2	0.037	MI-SME0252	\$15.90
0.026			0.039	MI-SME0262	\$13.95
0.027			0.040	MI-SME0272	\$13.95
0.028			0.042	MI-SME0282	\$13.95
0.029			0.043	MI-SME0292	\$13.95
0.030	0.045	MI-SME0302	\$13.95		

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