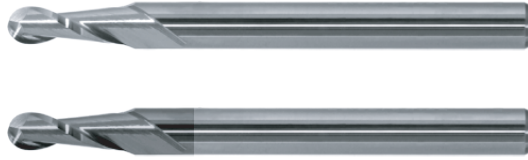


Tool Series 503:**Miniature Carbide End Mills - Regular Length - 30° Helix - Ball Nose - 2 Flutes!**

Uncoated Tool Number	Coated Tool Number	Cutting Diameter	Shank Diameter	Overall Length	Flute Length	Flutes
503-20050	503-20050-A	0.005	1/8	1-1/2	0.015	2
503-20060	503-20060-A	0.006	1/8	1-1/2	0.018	2
503-20070	503-20070-A	0.007	1/8	1-1/2	0.021	2
503-20080	503-20080-A	0.008	1/8	1-1/2	0.024	2
503-20090	503-20090-A	0.009	1/8	1-1/2	0.027	2
503-20100	503-20100-A	0.010	1/8	1-1/2	0.030	2
503-20110	503-20110-A	0.011	1/8	1-1/2	0.033	2
503-20120	503-20120-A	0.012	1/8	1-1/2	0.036	2
503-20130	503-20130-A	0.013	1/8	1-1/2	0.039	2
503-20140	503-20140-A	0.014	1/8	1-1/2	0.042	2
503-20150	503-20150-A	0.015	1/8	1-1/2	0.045	2
503-20160	503-20160-A	0.016	1/8	1-1/2	0.048	2
503-20170	503-20170-A	0.017	1/8	1-1/2	0.051	2
503-20180	503-20180-A	0.018	1/8	1-1/2	0.054	2
503-20190	503-20190-A	0.019	1/8	1-1/2	0.057	2
503-20200	503-20200-A	0.020	1/8	1-1/2	0.060	2
503-20210	503-20210-A	0.021	1/8	1-1/2	0.063	2
503-20220	503-20220-A	0.022	1/8	1-1/2	0.066	2
503-20230	503-20230-A	0.023	1/8	1-1/2	0.069	2
503-20240	503-20240-A	0.024	1/8	1-1/2	0.072	2
503-20250	503-20250-A	0.025	1/8	1-1/2	0.075	2
503-20260	503-20260-A	0.026	1/8	1-1/2	0.078	2
503-20270	503-20270-A	0.027	1/8	1-1/2	0.081	2
503-20280	503-20280-A	0.028	1/8	1-1/2	0.084	2
503-20290	503-20290-A	0.029	1/8	1-1/2	0.087	2
503-20300	503-20300-A	0.030	1/8	1-1/2	0.090	2
503-20310	503-20310-A	0.031	1/8	1-1/2	0.093	2
503-20320	503-20320-A	0.032	1/8	1-1/2	0.096	2

(Cutting diameters 0.033" to 0.061" are continued on the next page)

These tools are engineered and manufactured to BEST CARBIDE specifications.
All specifications are subject to change without prior notice.

... simply the best choice for advanced carbide cutting tools!

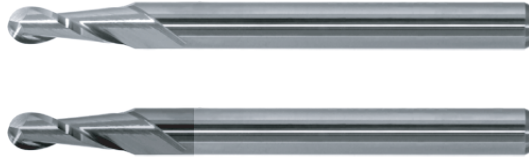
Tool Series 503:**Miniature Carbide End Mills - Regular Length - 30° Helix - Ball Nose - 2 Flutes!**

Uncoated Tool Number	Coated Tool Number	Cutting Diameter	Shank Diameter	Overall Length	Flute Length	Flutes
503-20330	503-20330-A	0.033	1/8	1-1/2	0.099	2
503-20340	503-20340-A	0.034	1/8	1-1/2	0.102	2
503-20350	503-20350-A	0.035	1/8	1-1/2	0.105	2
503-20360	503-20360-A	0.036	1/8	1-1/2	0.108	2
503-20370	503-20370-A	0.037	1/8	1-1/2	0.111	2
503-20380	503-20380-A	0.038	1/8	1-1/2	0.114	2
503-20390	503-20390-A	0.039	1/8	1-1/2	0.117	2
503-20400	503-20400-A	0.040	1/8	1-1/2	0.120	2
503-20410	503-20410-A	0.041	1/8	1-1/2	0.123	2
503-20420	503-20420-A	0.042	1/8	1-1/2	0.126	2
503-20430	503-20430-A	0.043	1/8	1-1/2	0.129	2
503-20440	503-20440-A	0.044	1/8	1-1/2	0.132	2
503-20450	503-20450-A	0.045	1/8	1-1/2	0.135	2
503-20460	503-20460-A	0.046	1/8	1-1/2	0.138	2
503-20470	503-20470-A	0.047	1/8	1-1/2	0.141	2
503-20480	503-20480-A	0.048	1/8	1-1/2	0.144	2
503-20490	503-20490-A	0.049	1/8	1-1/2	0.147	2
503-20500	503-20500-A	0.050	1/8	1-1/2	0.150	2
503-20510	503-20510-A	0.051	1/8	1-1/2	0.153	2
503-20520	503-20520-A	0.052	1/8	1-1/2	0.156	2
503-20530	503-20530-A	0.053	1/8	1-1/2	0.159	2
503-20540	503-20540-A	0.054	1/8	1-1/2	0.162	2
503-20550	503-20550-A	0.055	1/8	1-1/2	0.165	2
503-20560	503-20560-A	0.056	1/8	1-1/2	0.168	2
503-20570	503-20570-A	0.057	1/8	1-1/2	0.171	2
503-20580	503-20580-A	0.058	1/8	1-1/2	0.174	2
503-20590	503-20590-A	0.059	1/8	1-1/2	0.177	2
503-20600	503-20600-A	0.060	1/8	1-1/2	0.180	2
503-20610	503-20610-A	0.061	1/8	1-1/2	0.183	2

(Cutting diameters 0.062" to 0.090" are continued on the next page)

These tools are engineered and manufactured to BEST CARBIDE specifications.
All specifications are subject to change without prior notice.

... simply the best choice for advanced carbide cutting tools!

Tool Series 503:**Miniature Carbide End Mills - Regular Length - 30° Helix - Ball Nose - 2 Flutes!**

Uncoated Tool Number	Coated Tool Number	Cutting Diameter	Shank Diameter	Overall Length	Flute Length	Flutes
503-20620	503-20620-A	0.062	1/8	1-1/2	0.186	2
503-20630	503-20630-A	0.063	1/8	1-1/2	0.189	2
503-20640	503-20640-A	0.064	1/8	1-1/2	0.192	2
503-20650	503-20650-A	0.065	1/8	1-1/2	0.195	2
503-20660	503-20660-A	0.066	1/8	1-1/2	0.198	2
503-20670	503-20670-A	0.067	1/8	1-1/2	0.201	2
503-20680	503-20680-A	0.068	1/8	1-1/2	0.204	2
503-20690	503-20690-A	0.069	1/8	1-1/2	0.207	2
503-20700	401-20700-A	0.070	1/8	1-1/2	0.210	2
503-20710	503-20710-A	0.071	1/8	1-1/2	0.213	2
503-20720	503-20720-A	0.072	1/8	1-1/2	0.216	2
503-20730	503-20730-A	0.073	1/8	1-1/2	0.219	2
503-20740	503-20740-A	0.074	1/8	1-1/2	0.222	2
503-20750	503-20750-A	0.075	1/8	1-1/2	0.225	2
503-20760	503-20760-A	0.076	1/8	1-1/2	0.228	2
503-20770	503-20770-A	0.077	1/8	1-1/2	0.231	2
503-20780	503-20780-A	0.078	1/8	1-1/2	0.234	2
503-20790	503-20790-A	0.079	1/8	1-1/2	0.237	2
503-20800	503-20800-A	0.080	1/8	1-1/2	0.240	2
503-20810	503-20810-A	0.081	1/8	1-1/2	0.243	2
503-20820	503-20820-A	0.082	1/8	1-1/2	0.246	2
503-20830	503-20830-A	0.083	1/8	1-1/2	0.249	2
503-20840	503-20840-A	0.084	1/8	1-1/2	0.252	2
503-20850	503-20850-A	0.085	1/8	1-1/2	0.255	2
503-20860	503-20860-A	0.086	1/8	1-1/2	0.258	2
503-20870	503-20870-A	0.087	1/8	1-1/2	0.261	2
503-20880	503-20880-A	0.088	1/8	1-1/2	0.264	2
503-20890	503-20890-A	0.089	1/8	1-1/2	0.267	2
503-20900	503-20900-A	0.090	1/8	1-1/2	0.270	2

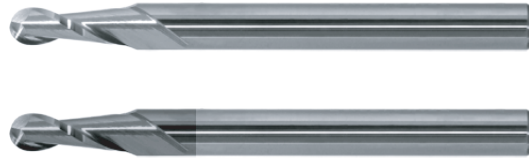
(Cutting diameters 0.091" to 0.120" are continued on the next page)

These tools are engineered and manufactured to BEST CARBIDE specifications.
All specifications are subject to change without prior notice.

... simply the best choice for advanced carbide cutting tools!

Tool Series 503:

Miniature Carbide End Mills - Regular Length - 30° Helix - Ball Nose - 2 Flutes!



Uncoated Tool Number	Coated Tool Number	Cutting Diameter	Shank Diameter	Overall Length	Flute Length	Flutes
503-20910	503-20910-A	0.091	1/8	1-1/2	0.273	2
503-20920	503-20920-A	0.092	1/8	1-1/2	0.276	2
503-20930	503-20930-A	0.093	1/8	1-1/2	0.279	2
503-20940	503-20940-A	0.094	1/8	1-1/2	0.282	2
503-20950	503-20950-A	0.095	1/8	1-1/2	0.285	2
503-20960	503-20960-A	0.096	1/8	1-1/2	0.288	2
503-20970	503-20970-A	0.097	1/8	1-1/2	0.291	2
503-20980	503-20980-A	0.098	1/8	1-1/2	0.294	2
503-20990	503-20990-A	0.099	1/8	1-1/2	0.297	2
503-21000	503-21000-A	0.100	1/8	1-1/2	0.300	2
503-21010	503-21010-A	0.101	1/8	1-1/2	0.303	2
503-21020	503-21020-A	0.102	1/8	1-1/2	0.306	2
503-21030	503-21030-A	0.103	1/8	1-1/2	0.309	2
503-21040	503-21040-A	0.104	1/8	1-1/2	0.312	2
503-21050	503-21050-A	0.105	1/8	1-1/2	0.315	2
503-21060	503-21060-A	0.106	1/8	1-1/2	0.318	2
503-21070	503-21070-A	0.107	1/8	1-1/2	0.321	2
503-21080	503-21080-A	0.108	1/8	1-1/2	0.324	2
503-21090	503-21090-A	0.109	1/8	1-1/2	0.327	2
503-21100	503-21100-A	0.110	1/8	1-1/2	0.330	2
503-21110	503-21110-A	0.111	1/8	1-1/2	0.333	2
503-21120	503-21120-A	0.112	1/8	1-1/2	0.336	2
503-21130	503-21130-A	0.113	1/8	1-1/2	0.339	2
503-21140	503-21140-A	0.114	1/8	1-1/2	0.341	2
503-21150	503-21150-A	0.115	1/8	1-1/2	0.345	2
503-21160	503-21160-A	0.116	1/8	1-1/2	0.348	2
503-21170	503-21170-A	0.117	1/8	1-1/2	0.351	2
503-21180	503-21180-A	0.118	1/8	1-1/2	0.354	2
503-21190	503-21190-A	0.119	1/8	1-1/2	0.357	2
503-21200	503-21200-A	0.120	1/8	1-1/2	0.360	2

These tools are engineered and manufactured to BEST CARBIDE specifications.
All specifications are subject to change without prior notice.

... simply the best choice for advanced carbide cutting tools!