

MULTI-V Drill Mill Multi-Function Tool



CUTTING TOOLS

Micrograin Solid Carbide

MULTI-V 90° Angle - Series 8090

Cutting Diameter (Inch)	Cutting Diameter (mm)	Overall Length (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Code	Cutting Diameter (Inch)	Cutting Diameter (mm)	Overall Length (Inch)	Flute Length (Inch)	Shank Diameter (Inch)	Code
0.157	4	2	0.315	0.197	540414	3/8	9.52	2-3/4	0.71	1/2	540421
3/16	4.76	2	0.375	1/4	540415	0.394	10	2-3/4	0.71	0.472	540422
0.197	5	2	0.395	0.236	540416	0.472	12	2-3/4	0.79	0.472	540423
0.236	6	2-3/8	0.475	0.315	540417	1/2	12.7	2-3/4	0.79	1/2	540424
1/4	6.35	2-3/8	0.475	5/16	540418	5/8	15.07	3-1/8	1	5/8	540425
5/16	7.93	2-3/4	0.63	3/8	540419	0.63	16	3-1/8	1.025	0.63	540426
0.315	8	2-3/4	0.63	0.394	540420	0.787	20	4	1.260	0.787	540427

Hard-X 90° Angle - Series 8090-H

Cutting Diameter (Inch)	Cutting Diameter (mm)	Overall Length (mm)	Flute Length (Inch)	Shank Diameter (Inch)	Code	Cutting Diameter (Inch)	Cutting Diameter (mm)	Overall Length (mm)	Flute Length (Inch)	Shank Diameter (Inch)	Code
0.02	0.5	1-1/2	0.04	0.118	314003	0.157	4	2	0.315	0.197	314045
0.024	0.6	1-1/2	0.047	0.118	314006	3/16	4.76	2	0.375	1/4	314048
0.028	0.7	1-1/2	0.055	0.118	314009	0.197	5	2	0.395	0.236	314051
0.031	0.8	1-1/2	0.063	0.118	314012	0.236	6	2-3/8	0.475	0.315	314054
0.035	0.9	1-1/2	0.071	0.118	314015	1/4	6.35	2-3/8	0.475	5/16	314057
0.039	1	1-1/2	0.08	0.118	314018	5/16	7.93	2-3/4	0.63	3/8	314060
0.047	1.2	1-1/2	0.095	0.118	314021	0.315	8	2-3/4	0.63	0.394	314063
0.055	1.4	1-1/2	0.11	0.118	314024	3/8	9.52	2-3/4	0.71	1/2	314066
0.059	1.5	1-1/2	0.12	0.118	314027	0.394	10	2-3/4	0.71	0.472	314069
0.063	1.6	1-1/2	0.125	0.118	314030	0.472	12	2-3/4	0.79	0.472	314072
0.071	1.8	1-1/2	0.14	0.118	314033	1/2	12.7	2-3/4	0.79	1/2	314075
0.078	2	1-1/2	0.16	0.118	314036	5/8	15.87	3-1/8	1	5/8	314078
0.098	2.5	1-1/2	0.195	0.118	314039	0.63	16	3-1/8	1.025	0.63	314081
0.118	3	2	0.24	0.157	314042	0.787	20	4	1.26	0.787	314084

MULTI-V 60° Angle - Series 8088

Cutting Diameter (Inch)	Cutting Diameter (mm)	Overall Length (mm)	Flute Length (mm)	Shank Diameter (mm)	Code	Cutting Diameter (Inch)	Cutting Diameter (mm)	Overall Length (mm)	Flute Length (mm)	Shank Diameter (mm)	Code
0.02	0.5	39	1	3	314087	0.197	5	50	10	6	314108
0.039	1	39	2	3	314090	0.236	6	60	12	8	314111
0.059	1.5	39	3	3	314093	0.315	8	70	16	10	314114
0.078	2	39	4	3	314096	0.394	10	70	18	12	314117
0.098	2.5	39	5	3	314099	0.472	12	70	20	12	314120
0.118	3	50	6	4	314102	0.63	16	80	26	16	314123
0.157	4	50	8	5	314105	0.787	20	100	32	20	314126

Hard-X 60° Angle - Series 8088-H

Cutting Diameter (Inch)	Cutting Diameter (mm)	Overall Length (mm)	Flute Length (mm)	Shank Diameter (mm)	Code	Cutting Diameter (Inch)	Cutting Diameter (mm)	Overall Length (mm)	Flute Length (mm)	Shank Diameter (mm)	Code
0.02	0.5	39	1	3	314129	0.197	5	50	10	6	314150
0.039	1	39	2	3	314132	0.236	6	60	12	8	314153
0.059	1.5	39	3	3	314135	0.315	8	70	16	10	314156
0.078	2	39	4	3	314138	0.394	10	70	18	12	314159
0.098	2.5	39	5	3	314141	0.472	12	70	20	12	314162
0.118	3	50	6	4	314144	0.63	16	80	26	16	314165
0.157	4	50	8	5	314147	0.787	20	100	32	20	314168