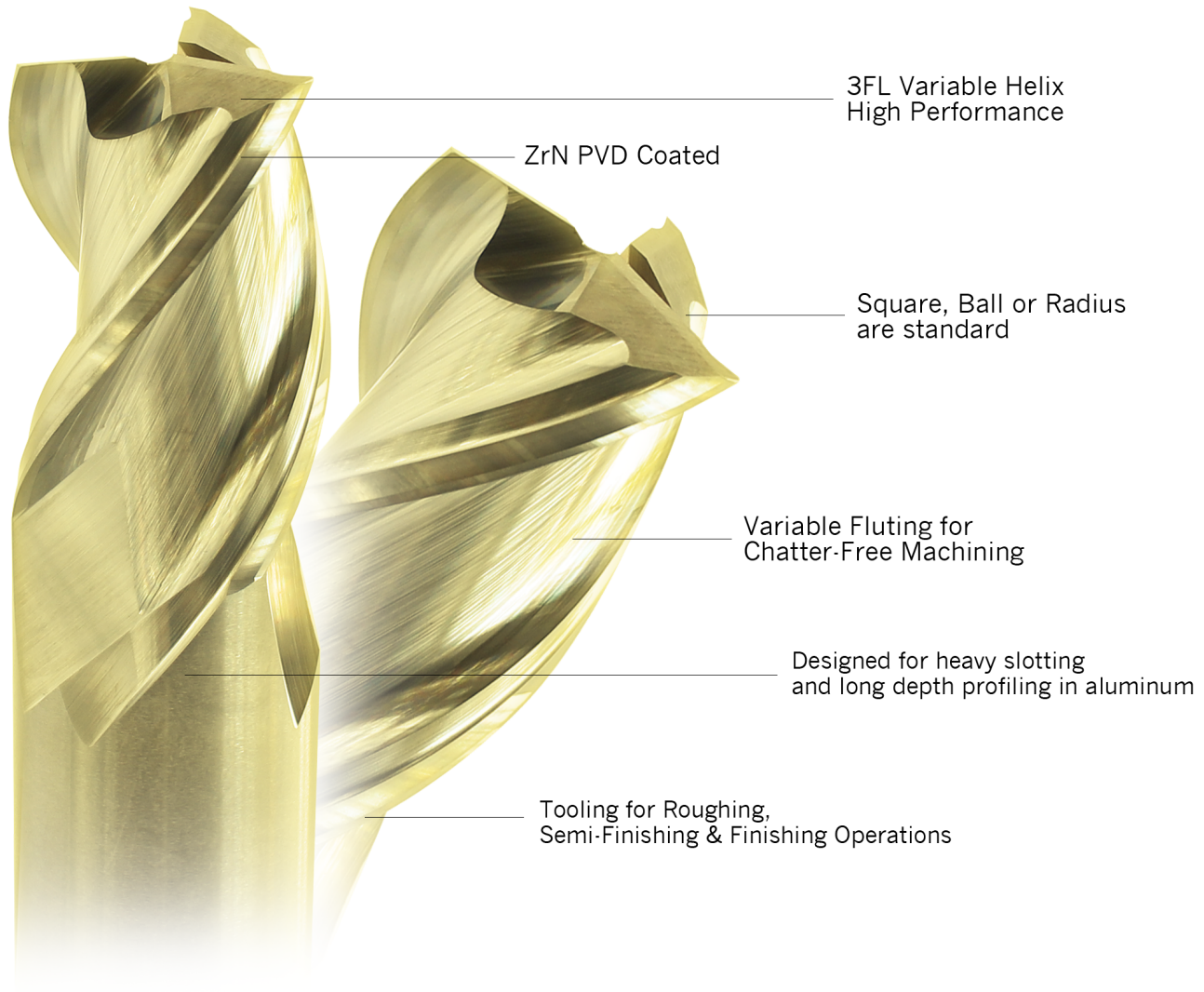




3FL Solid Carbide Variable Helix

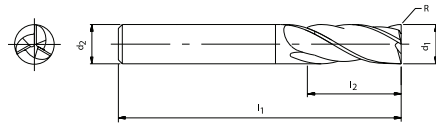
Effective in machining all non-ferrous materials
and ideal for aluminum applications



VMP-3 Powerful, Precise, and Reliable Tools

MP Tool's new VMP-3 (solid carbide three-flute variable-helix end mill) provides a powerful flute design that offers users substantial improvements in tool life, and it serves as a multi-functional tool. It's great for heavy profiling and slotting applications. By incorporating several new design features, VMP-3 helps diminish vibration, allowing faster feed rates and improved surface finishes. VMP design allows for roughing and finishing in both peripheral and slotting operations in all types of ferrous materials.

Solid Carbide End Mill 3 Flute Variable Helix ZrN Coated



Design Specs

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

Application:

Outstanding performance in Aluminum, Brass alloys and Non-Ferrous Metals

d_1 Diameter	d_2 Shank	L_2 LOC	L_1 OAL	Square EDP#	Coated Price	.015	.030	.060	.090	.125	Coated Price	Ball EDP#	Coated Price
3/16	3/16	9/16	2"	30000C	\$16.36	30002C	30004C				\$19.63	30012C	\$19.63
1/4	1/4	3/8	2"	30020C	\$19.67	30022C	30024C	30026C			\$23.60	30032C	\$23.60
1/4	1/4	3/4	2-1/2	30040C	\$22.25	30042C	30044C	30046C			\$26.70	30052C	\$26.70
1/4	1/4	1	3"	30060C	\$27.40	30062C	30064C	30066C			\$32.88	30072C	\$32.88
3/8	3/8	1/2	2"	30080C	\$28.74	30082C	30084C	30086C	30088C		\$34.49	30092C	\$34.49
3/8	3/8	1"	2-1/2	30100C	\$33.37	30102C	30104C	30106C	30108C		\$40.04	30112C	\$40.04
3/8	3/8	1-1/2	3-1/2	30120C	\$44.08	30122C	30124C	30126C	30128C		\$52.90	30132C	\$52.90
1/2	1/2	5/8	2-1/2	30140C	\$47.48	30142C	30144C	30146C	30148C	30150C	\$56.98	30152C	\$56.98
1/2	1/2	1-1/4	3"	30160C	\$52.84	30162C	30164C	30166C	30168C	30170C	\$63.41	30172C	\$63.41
1/2	1/2	1-5/8	4"	30180C	\$56.34	30182C	30184C	30186C	30188C	30190C	\$67.61	30192C	\$67.61
1/2	1/2	2"	4"	30200C	\$63.04	30202C	30204C	30206C	30208C	30210C	\$75.65	30212C	\$75.65
5/8	5/8	1-5/8	4"	30220C	\$99.50	30222C	30224C	30226C	30228C	30230C	\$119.40	30232C	\$119.40
3/4	3/4	1"	3"	30240C	\$116.68	30242C	30244C	30246C	30248C	30250C	\$140.02	30252C	\$140.02
3/4	3/4	1-5/8	4"	30260C	\$126.69	30262C	30264C	30266C	30268C	30270C	\$152.03	30272C	\$152.03
3/4	3/4	2-1/4"	5"	30280C	\$136.68	30282C	30284C	30286C	30288C	30290C	\$164.02	30292C	\$164.02
1"	1"	1-1/4	4"	30300C	\$203.11	30302C	30304C	30306C	30308C	30310C	\$243.73	30312C	\$243.73
1"	1"	2	5"	30320C	\$215.12	30322C	30324C	30326C	30328C	30330C	\$258.14	30332C	\$258.14
1"	1"	3-1/4	6"	30340C	\$227.11	30342C	30344C	30346C	30348C	30350C	\$272.53	30352C	\$272.53

*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	RAD	Radius EDP#	Coated Price
3/8	3/8	1/2	3"	1-1/8	.356	30500C	\$56.39	.030	30504C	\$61.39
3/8	3/8	1/2	4"	2-1/8	.356	30520C	\$77.33	.030	30524C	\$83.33
1/2	1/2	5/8	3"	1-3/8	.476	30540C	\$85.95	.030	30544C	\$90.95
1/2	1/2	5/8	4"	2-1/4	.476	30560C	\$119.32	.030	30564C	\$124.32
1/2	1/2	5/8	5"	3-3/8	.476	30580C	\$157.43	.030	30584C	\$162.43
1/2	1/2	5/8	6"	4-1/4	.476	30600C	\$189.36	.030	30604C	\$194.36
5/8	5/8	3/4	4"	1-5/8	.596	30620C	\$175.56	.030	30624C	\$180.56
3/4	3/4	1"	4"	2"	.716	30640C	\$212.12	.030	30644C	\$217.12
3/4	3/4	1"	6"	3-3/8	.716	30660C	\$243.02	.030	30664C	\$248.02
1"	1"	1-1/4	5"	2-5/8	.956	30680C	\$376.51	.030	30684C	\$381.51
1"	1"	1-1/4	6"	3-3/8	.956	30700C	\$494.14	.030	30704C	\$499.14
1"	1"	1-1/4	7"	4-3/8	.956	30720C	\$694.37	.030	30724C	\$699.37

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