



NEW

XTREME XPV

SUPERMILL'S

**Most Advanced Asymmetric
Design Yet!**

New Xtreme XPV Series carbide end mills
for Titanium and other difficult materials.
Engineered with variable index, variable helix
and progressive rake angles.

This new design has been tested and
proven to dampen harmonics, eliminate
vibration and stop chatter.

They produce a quieter and smoother
cut at increased speeds and feeds.
With the Xtreme XPV series you can
easily double your production with:

- Heavier Cuts (Less Passes)
- Shorter Cycle Times
- Greater tool life



XTREME XPV SERIES

4 Flute – Variable Index – Variable Helix – Progressive Rake Angles
Premium Extra Fine Grain Carbide – Advanced Multi-layered Nano Coating

SIZE	Shank	LOC	OAL	RADIUS	EDP#
1/8	1/8	1/4	1-1/2		XPV125S
1/8	1/8	1/4	1-1/2	.010	XPV125S-010
1/8	1/8	1/2	1-1/2		XPV125
1/8	1/8	1/2	1-1/2	.010	XPV125-010
3/16	3/16	3/8	1-1/2		XPV187S
3/16	3/16	3/8	1-1/2	.010	XPV187S-010
3/16	3/16	3/8	1-1/2	.015	XPV187S-015
3/16	3/16	3/8	1-1/2	.025	XPV187S-025
3/16	3/16	9/16	2		XPV187
3/16	3/16	9/16	2	.010	XPV187-010
3/16	3/16	9/16	2	.015	XPV187-015
3/16	3/16	9/16	2	.025	XPV187-025
1/4	1/4	1/2	2		XPV250S
1/4	1/4	1/2	2	.015	XPV250S-015
1/4	1/4	1/2	2	.030	XPV250S-030
1/4	1/4	1/2	2	.060	XPV250S-060
1/4	1/4	3/4	2-1/2		XPV250
1/4	1/4	3/4	2-1/2	.015	XPV250-015
1/4	1/4	3/4	2-1/2	.030	XPV250-030
1/4	1/4	3/4	2-1/2	.060	XPV250-060
1/4	1/4	1-1/8	3		XPV250L
1/4	1/4	1-1/8	3	.015	XPV250L-015
1/4	1/4	1-1/8	3	.030	XPV250L-030
1/4	1/4	1-1/8	3	.060	XPV250L-060
5/16	5/16	1/2	2		XPV312S
5/16	5/16	1/2	2	.015	XPV312S-015
5/16	5/16	1/2	2	.030	XPV312S-030
5/16	5/16	1/2	2	.060	XPV312S-060
5/16	5/16	13/16	2-1/2		XPV312
5/16	5/16	13/16	2-1/2	.015	XPV312-015
5/16	5/16	13/16	2-1/2	.030	XPV312-030
5/16	5/16	13/16	2-1/2	.060	XPV312-060
5/16	5/16	1-1/8	3		XPV312L
5/16	5/16	1-1/8	3	.015	XPV312L-015
5/16	5/16	1-1/8	3	.030	XPV312L-030
5/16	5/16	1-1/8	3	.060	XPV312L-060

SIZE	Shank	LOC	OAL	RADIUS	EDP#
3/8	3/8	1/2	2		XPV375S
3/8	3/8	1/2	2	.015	XPV375S-015
3/8	3/8	1/2	2	.030	XPV375S-030
3/8	3/8	1/2	2	.060	XPV375S-060
3/8	3/8	7/8	2-1/2		XPV375
3/8	3/8	7/8	2-1/2	.015	XPV375-015
3/8	3/8	7/8	2-1/2	.030	XPV375-030
3/8	3/8	7/8	2-1/2	.060	XPV375-060
3/8	3/8	1-1/8	3		XPV375L
3/8	3/8	1-1/8	3	.015	XPV375L-015
3/8	3/8	1-1/8	3	.030	XPV375L-030
3/8	3/8	1-1/8	3	.060	XPV375L-060
3/8	3/8	1-1/2	4		XPV375XL
3/8	3/8	1-1/2	4	.015	XPV375XL-015
3/8	3/8	1-1/2	4	.030	XPV375XL-030
3/8	3/8	1-1/2	4	.060	XPV375XL-060
1/2	1/2	5/8	2-1/2		XPV500S
1/2	1/2	5/8	2-1/2	.015	XPV500S-015
1/2	1/2	5/8	2-1/2	.030	XPV500S-030
1/2	1/2	5/8	2-1/2	.045	XPV500S-045
1/2	1/2	5/8	2-1/2	.060	XPV500S-060
1/2	1/2	5/8	2-1/2	.090	XPV500S-090
1/2	1/2	5/8	2-1/2	.125	XPV500S-125
1/2	1/2	1	3		XPV500
1/2	1/2	1	3	.015	XPV500-015
1/2	1/2	1	3	.030	XPV500-030
1/2	1/2	1	3	.045	XPV500-045
1/2	1/2	1	3	.060	XPV500-060
1/2	1/2	1	3	.090	XPV500-090
1/2	1/2	1	3	.125	XPV500-125
1/2	1/2	1-1/4	3		XPV500M
1/2	1/2	1-1/4	3	.015	XPV500M-015
1/2	1/2	1-1/4	3	.030	XPV500M-030
1/2	1/2	1-1/4	3	.045	XPV500M-045
1/2	1/2	1-1/4	3	.060	XPV500M-060
1/2	1/2	1-1/4	3	.090	XPV500M-090

XTREME XPV SERIES

4 Flute – Variable Index – Variable Helix – Progressive Rake Angles
Premium Extra Fine Grain Carbide – Advanced Multi-layered Nano Coating

SIZE	Shank	LOC	OAL	RADIUS	EDP#
1/2	1/2	1-1/4	3	.125	XPV500M-125
1/2	1/2	1-1/2	4		XPV500L
1/2	1/2	1-1/2	4	.015	XPV500L-015
1/2	1/2	1-1/2	4	.030	XPV500L-030
1/2	1/2	1-1/2	4	.045	XPV500L-045
1/2	1/2	1-1/2	4	.060	XPV500L-060
1/2	1/2	1-1/2	4	.090	XPV500L-090
1/2	1/2	1-1/2	4	.125	XPV500L-125
1/2	1/2	2	4		XPV500XL
1/2	1/2	2	4	.015	XPV500XL-015
1/2	1/2	2	4	.030	XPV500XL-030
1/2	1/2	2	4	.045	XPV500XL-045
1/2	1/2	2	4	.060	XPV500XL-060
1/2	1/2	2	4	.090	XPV500XL-090
1/2	1/2	2	4	.125	XPV500XL-125
1/2	1/2	3	6		XPV500XXL
1/2	1/2	3	6	.015	XPV500XXL-015
1/2	1/2	3	6	.030	XPV500XXL-030
1/2	1/2	3	6	.045	XPV500XXL-045
1/2	1/2	3	6	.060	XPV500XXL-060
1/2	1/2	3	6	.090	XPV500XXL-090
1/2	1/2	3	6	.125	XPV500XXL-125
5/8	5/8	3/4	3		XPV625S
5/8	5/8	3/4	3	.015	XPV625S-015
5/8	5/8	3/4	3	.030	XPV625S-030
5/8	5/8	3/4	3	.045	XPV625S-045
5/8	5/8	3/4	3	.060	XPV625S-060
5/8	5/8	3/4	3	.090	XPV625S-090
5/8	5/8	3/4	3	.125	XPV625S-125
5/8	5/8	1-1/4	3-1/2		XPV625
5/8	5/8	1-1/4	3-1/2	.015	XPV625-015
5/8	5/8	1-1/4	3-1/2	.030	XPV625-030
5/8	5/8	1-1/4	3-1/2	.045	XPV625-045
5/8	5/8	1-1/4	3-1/2	.060	XPV625-060
5/8	5/8	1-1/4	3-1/2	.090	XPV625-090
5/8	5/8	1-1/4	3-1/2	.125	XPV625-125

SIZE	Shank	LOC	OAL	RADIUS	EDP#
5/8	5/8	2-1/4	5		XPV625L
5/8	5/8	2-1/4	5	.015	XPV625L-015
5/8	5/8	2-1/4	5	.030	XPV625L-030
5/8	5/8	2-1/4	5	.045	XPV625L-045
5/8	5/8	2-1/4	5	.060	XPV625L-060
5/8	5/8	2-1/4	5	.090	XPV625L-090
5/8	5/8	2-1/4	5	.125	XPV625L-125
3/4	3/4	1	3		XPV750S
3/4	3/4	1	3	.015	XPV750S-015
3/4	3/4	1	3	.030	XPV750S-030
3/4	3/4	1	3	.045	XPV750S-045
3/4	3/4	1	3	.060	XPV750S-060
3/4	3/4	1	3	.090	XPV750S-090
3/4	3/4	1	3	.125	XPV750S-125
3/4	3/4	1-1/2	4		XPV750
3/4	3/4	1-1/2	4	.015	XPV750-015
3/4	3/4	1-1/2	4	.030	XPV750-030
3/4	3/4	1-1/2	4	.045	XPV750-045
3/4	3/4	1-1/2	4	.060	XPV750-060
3/4	3/4	1-1/2	4	.090	XPV750-090
3/4	3/4	1-1/2	4	.125	XPV750-125
3/4	3/4	2-1/4	5		XPV750L
3/4	3/4	2-1/4	5	.015	XPV750L-015
3/4	3/4	2-1/4	5	.030	XPV750L-030
3/4	3/4	2-1/4	5	.045	XPV750L-045
3/4	3/4	2-1/4	5	.060	XPV750L-060
3/4	3/4	2-1/4	5	.090	XPV750L-090
3/4	3/4	2-1/4	5	.125	XPV750L-125
3/4	3/4	3	6		XPV750XL
3/4	3/4'	3	6	.015	XPV750XL-015
3/4	3/4'	3	6	.030	XPV750XL-030
3/4	3/4'	3	6	.045	XPV750XL-045
3/4	3/4'	3	6	.060	XPV750XL-060
3/4	3/4'	3	6	.090	XPV750XL-090
3/4	3/4'	3	6	.125	XPV750XL-125
1	1	1-1/2	4		XPV1.0

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4 Flute – Variable Index – Variable Helix – Progressive Rake Angles
Premium Extra Fine Grain Carbide – Advanced Multi-layered Nano Coating

SIZE	Shank	LOC	OAL	RADIUS	EDP#
1	1	1-1/2	4	.015	XPV1.0-015
1	1	1-1/2	4	.030	XPV1.0-030
1	1	1-1/2	4	.045	XPV1.0-045
1	1	1-1/2	4	.060	XPV1.0-060
1	1	1-1/2	4	.090	XPV1.0-090
1	1	1-1/2	4	.125	XPV1.0-125
1	1	2-1/4	5		XPV1.0L
1	1	2-1/4	5	.015	XPV1.0L-015
1	1	2-1/4	5	.030	XPV1.0L-030
1	1	2-1/4	5	.045	XPV1.0L-045

SIZE	Shank	LOC	OAL	RADIUS	EDP#
1	1	2-1/4	5	.060	XPV1.0L-060
1	1	2-1/4	5	.090	XPV1.0L-090
1	1	2-1/4	5	.125	XPV1.0L-125
1	1	3	6		XPV1.0XL
1	1	3	6	.015	XPV1.0XL-015
1	1	3	6	.030	XPV1.0XL-030
1	1	3	6	.045	XPV1.0XL-045
1	1	3	6	.060	XPV1.0XL-060
1	1	3	6	.090	XPV1.0XL-090
1	1	3	6	.125	XPV1.0XL-125