

NEW

XTREME XPVS

SUPERMILL'S Most Advanced Asymmetric Design Yet!

New Xtreme XPVS Series carbide end mills for Steel, Steel Alloys, Stainless Steels and Hardened Steels. 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-XPVS series you can easily double your production with:

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



XTREME XPVS 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		XPVS125S
1/8	1/8	1/4	1-1/2	.010	XPVS125S-010
1/8	1/8	1/2	1-1/2		XPVS125
1/8	1/8	1/2	1-1/2	.010	XPVS125-010
3/16	3/16	3/8	1-1/2		XPVS187S
3/16	3/16	3/8	1-1/2	.010	XPVS187S-010
3/16	3/16	3/8	1-1/2	.015	XPVS187S-015
3/16	3/16	3/8	1-1/2	.025	XPVS187S-025
3/16	3/16	9/16	2		XPVS187
3/16	3/16	9/16	2	.010	XPVS187-010
3/16	3/16	9/16	2	.015	XPVS187-015
3/16	3/16	9/16	2	.025	XPVS187-025
1/4	1/4	1/2	2		XPVS250S
1/4	1/4	1/2	2	.015	XPVS250S-015
1/4	1/4	1/2	2	.030	XPVS250S-030
1/4	1/4	1/2	2	.060	XPVS250S-060
1/4	1/4	3/4	2-1/2		XPVS250
1/4	1/4	3/4	2-1/2	.015	XPVS250-015
1/4	1/4	3/4	2-1/2	.030	XPVS250-030
1/4	1/4	3/4	2-1/2	.060	XPVS250-060
1/4	1/4	1-1/8	3		XPVS250L
1/4	1/4	1-1/8	3	.015	XPVS250L-015
1/4	1/4	1-1/8	3	.030	XPVS250L-030
1/4	1/4	1-1/8	3	.060	XPVS250L-060
5/16	5/16	1/2	2		XPVS312S
5/16	5/16	1/2	2	.015	XPVS312S-015
5/16	5/16	1/2	2	.030	XPVS312S-030
5/16	5/16	1/2	2	.060	XPVS312S-060
5/16	5/16	13/16	2-1/2		XPVS312
5/16	5/16	13/16	2-1/2	.015	XPVS312-015
5/16	5/16	13/16	2-1/2	.030	XPVS312-030
5/16	5/16	13/16	2-1/2	.060	XPVS312-060
5/16	5/16	1-1/8	3		XPVS312L
5/16	5/16	1-1/8	3	.015	XPVS312L-015
5/16	5/16	1-1/8	3	.030	XPVS312L-030
5/16	5/16	1-1/8	3	.060	XPVS312L-060

SIZE	Shank	LOC	OAL	RADIUS	EDP#
3/8	3/8	1/2	2		XPVS375S
3/8	3/8	1/2	2	.015	XPVS375S-015
3/8	3/8	1/2	2	.030	XPVS375S-030
3/8	3/8	1/2	2	.060	XPVS375S-060
3/8	3/8	7/8	2-1/2		XPVS375
3/8	3/8	7/8	2-1/2	.015	XPVS375-015
3/8	3/8	7/8	2-1/2	.030	XPVS375-030
3/8	3/8	7/8	2-1/2	.060	XPVS375-060
3/8	3/8	1-1/8	3		XPVS375L
3/8	3/8	1-1/8	3	.015	XPVS375L-015
3/8	3/8	1-1/8	3	.030	XPVS375L-030
3/8	3/8	1-1/8	3	.060	XPVS375L-060
3/8	3/8	1-1/2	4		XPVS375XL
3/8	3/8	1-1/2	4	.015	XPVS375XL-015
3/8	3/8	1-1/2	4	.030	XPVS375XL-030
3/8	3/8	1-1/2	4	.060	XPVS375XL-060
1/2	1/2	5/8	2-1/2		XPVS500S
1/2	1/2	5/8	2-1/2	.015	XPVS500S-015
1/2	1/2	5/8	2-1/2	.030	XPVS500S-030
1/2	1/2	5/8	2-1/2	.045	XPVS500S-045
1/2	1/2	5/8	2-1/2	.060	XPVS500S-060
1/2	1/2	5/8	2-1/2	.090	XPVS500S-090
1/2	1/2	5/8	2-1/2	.125	XPVS500S-125
1/2	1/2	1	3		XPVS500
1/2	1/2	1	3	.015	XPVS500-015
1/2	1/2	1	3	.030	XPVS500-030
1/2	1/2	1	3	.045	XPVS500-045
1/2	1/2	1	3	.060	XPVS500-060
1/2	1/2	1	3	.090	XPVS500-090
1/2	1/2	1	3	.125	XPVS500-125
1/2	1/2	1-1/4	3		XPVS500M
1/2	1/2	1-1/4	3	.015	XPVS500M-015
1/2	1/2	1-1/4	3	.030	XPVS500M-030
1/2	1/2	1-1/4	3	.045	XPVS500M-045
1/2	1/2	1-1/4	3	.060	XPVS500M-060
1/2	1/2	1-1/4	3	.090	XPVS500M-090

XTREME XPVS 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	XPVS500M-125
1/2	1/2	1-1/2	4		XPVS500L
1/2	1/2	1-1/2	4	.015	XPVS500L-015
1/2	1/2	1-1/2	4	.030	XPVS500L-030
1/2	1/2	1-1/2	4	.045	XPVS500L-045
1/2	1/2	1-1/2	4	.060	XPVS500L-060
1/2	1/2	1-1/2	4	.090	XPVS500L-090
1/2	1/2	1-1/2	4	.125	XPVS500L-125
1/2	1/2	2	4		XPVS500XL
1/2	1/2	2	4	.015	XPVS500XL-015
1/2	1/2	2	4	.030	XPVS500XL-030
1/2	1/2	2	4	.045	XPVS500XL-045
1/2	1/2	2	4	.060	XPVS500XL-060
1/2	1/2	2	4	.090	XPVS500XL-090
1/2	1/2	2	4	.125	XPVS500XL-125
1/2	1/2	3	6		XPVS500XXL
1/2	1/2	3	6	.015	XPVS500XXL-015
1/2	1/2	3	6	.030	XPVS500XXL-030
1/2	1/2	3	6	.045	XPVS500XXL-045
1/2	1/2	3	6	.060	XPVS500XXL-060
1/2	1/2	3	6	.090	XPVS500XXL-090
1/2	1/2	3	6	.125	XPVS500XXL-125
5/8	5/8	3/4	3		XPVS625S
5/8	5/8	3/4	3	.015	XPVS625S-015
5/8	5/8	3/4	3	.030	XPVS625S-030
5/8	5/8	3/4	3	.045	XPVS625S-045
5/8	5/8	3/4	3	.060	XPVS625S-060
5/8	5/8	3/4	3	.090	XPVS625S-090
5/8	5/8	3/4	3	.125	XPVS625S-125
5/8	5/8	1-1/4	3-1/2		XPVS625
5/8	5/8	1-1/4	3-1/2	.015	XPVS625-015
5/8	5/8	1-1/4	3-1/2	.030	XPVS625-030
5/8	5/8	1-1/4	3-1/2	.045	XPVS625-045
5/8	5/8	1-1/4	3-1/2	.060	XPVS625-060
5/8	5/8	1-1/4	3-1/2	.090	XPVS625-090
5/8	5/8	1-1/4	3-1/2	.125	XPVS625-125

SIZE	Shank	LOC	OAL	RADIUS	EDP#
5/8	5/8	2-1/4	5		XPVS625L
5/8	5/8	2-1/4	5	.015	XPVS625L-015
5/8	5/8	2-1/4	5	.030	XPVS625L-030
5/8	5/8	2-1/4	5	.045	XPVS625L-045
5/8	5/8	2-1/4	5	.060	XPVS625L-060
5/8	5/8	2-1/4	5	.090	XPVS625L-090
5/8	5/8	2-1/4	5	.125	XPVS625L-125
3/4	3/4	1	3		XPVS750S
3/4	3/4	1	3	.015	XPVS750S-015
3/4	3/4	1	3	.030	XPVS750S-030
3/4	3/4	1	3	.045	XPVS750S-045
3/4	3/4	1	3	.060	XPVS750S-060
3/4	3/4	1	3	.090	XPVS750S-090
3/4	3/4	1	3	.125	XPVS750S-125
3/4	3/4	1-1/2	4		XPVS750
3/4	3/4	1-1/2	4	.015	XPVS750-015
3/4	3/4	1-1/2	4	.030	XPVS750-030
3/4	3/4	1-1/2	4	.045	XPVS750-045
3/4	3/4	1-1/2	4	.060	XPVS750-060
3/4	3/4	1-1/2	4	.090	XPVS750-090
3/4	3/4	1-1/2	4	.125	XPVS750-125
3/4	3/4	2-1/4	5		XPVS750L
3/4	3/4	2-1/4	5	.015	XPVS750L-015
3/4	3/4	2-1/4	5	.030	XPVS750L-030
3/4	3/4	2-1/4	5	.045	XPVS750L-045
3/4	3/4	2-1/4	5	.060	XPVS750L-060
3/4	3/4	2-1/4	5	.090	XPVS750L-090
3/4	3/4	2-1/4	5	.125	XPVS750L-125
3/4	3/4	3	6		XPVS750XL
3/4	3/4	3	6	.015	XPVS750XL-015
3/4	3/4	3	6	.030	XPVS750XL-030
3/4	3/4	3	6	.045	XPVS750XL-045
3/4	3/4	3	6	.060	XPVS750XL-060
3/4	3/4	3	6	.090	XPVS750XL-090
3/4	3/4	3	6	.125	XPVS750XL-125
1	1	1-1/2	4		XPVS1.0

XTREME XPVS 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	1	1-1/2	4	.015	XPVS1.0-015
1	1	1-1/2	4	.030	XPVS1.0-030
1	1	1-1/2	4	.045	XPVS1.0-045
1	1	1-1/2	4	.060	XPVS1.0-060
1	1	1-1/2	4	.090	XPVS1.0-090
1	1	1-1/2	4	.125	XPVS 1.0-125
1	1	2-1/4	5		XPVS1.0L
1	1	2-1/4	5	.015	XPVS1.0L-015
1	1	2-1/4	5	.030	XPVS1.0L-030
1	1	2-1/4	5	.045	XPVS1.0L-045

SIZE	Shank	LOC	OAL	RADIUS	EDP#
1	1	2-1/4	5	.060	XPVS1.0L-060
1	1	2-1/4	5	.090	XPVS1.0L-090
1	1	2-1/4	5	.125	XPVS1.0L-125
1	1	3	6		XPVS1.0XL
1	1	3	6	.015	XPVS1.0XL-015
1	1	3	6	.030	XPVS1.0XL-030
1	1	3	6	.045	XPVS1.0XL-045
1	1	3	6	.060	XPVS1.0XL-060
1	1	3	6	.090	XPVS1.0XL-090
1	1	3	6	.125	XPVS1.0XL-125