

HIGH PERFORMANCE TOOL CATALOG

AEROSPACE • MEDICAL • DIE & MOLD • ENGINEERING



2016



MELIN HIGH PERFORMANCE CATALOG

- » Aluminum Alloys
- » Titanium Alloys
- » Stainless & Steel Alloys
- » Nickel & Cobalt Based Alloys
- » Hardened Material > 45 HRc
- » Graphite & Composite Materials



www.melintool.com

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Titanium & High Temp Alloys

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3 FLUTE • VARIABLE FLUTE - HP ROUGHING & FINISHING APPLICATIONS



- Geometry designed to reduce chatter, universal machining operations
- Unique titanium focused geometry and edge prep enables efficient cutting action
- Eccentric relief provides an exceptionally strong cutting edge
- Proprietary nACRo coating allows for higher SFM and is especially effective in extending tool life



SERIES: VXMG3T ✓ Check Stock Online

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	nACRo EDP	nACRo Price
.031 (1/32)	1/8	0.046		1-1/2	0.005	VXMG3T-.031-SF	H6917	31.98
.031 (1/32)	1/8	0.046	0.156	2-1/2	0.005	VXMG3T-.031-SF5	H6918	50.04
.031 (1/32)	1/8	0.046	0.250	2-1/2	0.005	VXMG3T-.031-SF8	H6919	51.23
.031 (1/32)	1/8	0.093		1-1/2	SQ	VXMG3T-.031-NR	H6920	31.38
.031 (1/32)	1/8	0.093		1-1/2	0.005	VXMG3T-.031-LF3	H6921	31.98
.031 (1/32)	1/8	0.156		2-1/2	0.005	VXMG3T-.031-LF5	H6922	39.70
.047 (3/64)	1/8	0.070		1-1/2	0.005	VXMG3T-.047-SF	H6923	31.98
.047 (3/64)	1/8	0.070	0.250	2-1/2	0.005	VXMG3T-.047-SF5	H6924	50.04
.047 (3/64)	1/8	0.070	0.375	2-1/2	0.005	VXMG3T-.047-SF8	H6925	51.23
.047 (3/64)	1/8	0.141		1-1/2	SQ	VXMG3T-.047-NR	H6926	31.38
.047 (3/64)	1/8	0.141		1-1/2	0.005	VXMG3T-.047-LF3	H6927	31.98
.047 (3/64)	1/8	0.250		2-1/2	0.005	VXMG3T-.047-LF5	H6928	39.70
.055	1/8	0.083		1-1/2	0.005	VXMG3T-.055-SF	H6929	31.98
.055	1/8	0.165		1-1/2	0.005	VXMG3T-.055-LF3	H6930	31.98
.055	1/8	0.275		1-1/2	0.005	VXMG3T-.055-LF5	H6931	39.70
.062 (1/16)	1/8	0.093		1-1/2	0.010	VXMG3T-.062-SF	H6932	29.95
.062 (1/16)	1/8	0.093	0.312	2-1/2	0.010	VXMG3T-.062-SF5	H6933	50.04
.062 (1/16)	1/8	0.093	0.500	2-1/2	0.010	VXMG3T-.062-SF8	H6934	51.23
.062 (1/16)	1/8	0.186		1-1/2	SQ	VXMG3T-.062-NR	H6935	29.36
.062 (1/16)	1/8	0.186		1-1/2	0.010	VXMG3T-.062-LF3	H6936	29.95
.062 (1/16)	1/8	0.312		2-1/2	0.010	VXMG3T-.062-LF5	H6937	38.16
.078 (5/64)	1/8	0.177		1-1/2	0.010	VXMG3T-.078-SF	H6938	29.95
.078 (5/64)	1/8	0.234		1-1/2	SQ	VXMG3T-.078-NR	H6939	29.36
.078 (5/64)	1/8	0.234		1-1/2	0.010	VXMG3T-.078-LF3	H6940	29.95
.093 (3/32)	1/8	0.140		1-1/2	0.010	VXMG3T-.093-SF	H6941	29.95
.093 (3/32)	1/8	0.140	0.500	2-1/2	0.010	VXMG3T-.093-SF5	H6942	50.04
.093 (3/32)	1/8	0.140	0.750	2-1/2	0.010	VXMG3T-.093-SF8	H6943	51.23
.093 (3/32)	1/8	0.279		1-1/2	SQ	VXMG3T-.093-NR	H6944	29.36
.093 (3/32)	1/8	0.279		1-1/2	0.010	VXMG3T-.093-LF3	H6945	29.95
.093 (3/32)	1/8	0.500		2-1/2	0.010	VXMG3T-.093-LF5	H6946	38.04

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3 FLUTE • VARIABLE FLUTE - HP ROUGHING & FINISHING APPLICATIONS



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SERIES: VXMGT-M-__ ✓ [Check Stock Online](#)

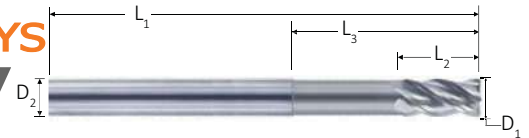
DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	PART NAME	nACRo EDP	nACRo Price
1.0mm	4mm	1.5mm		50mm	0.10mm	VXMGT-M1.0-SF	H6947	35.42
1.0mm	4mm	1.5mm	5mm	50mm	0.10mm	VXMGT-M1.0-SF5	H6948	52.78
1.0mm	4mm	1.5mm	8mm	50mm	0.10mm	VXMGT-M1.0-SF8	H6949	53.97
1.0mm	4mm	3.0mm		50mm	0.10mm	VXMGT-M1.0-LF3	H6950	35.42
1.5mm	4mm	2.2mm		50mm	0.20mm	VXMGT-M1.5-SF	H6951	33.40
1.5mm	4mm	2.2mm	7.5mm	50mm	0.20mm	VXMGT-M1.5-SF5	H6952	52.78
1.5mm	4mm	2.2mm	12mm	50mm	0.20mm	VXMGT-M1.5-SF8	H6953	54.20
1.5mm	4mm	4.5mm		50mm	0.20mm	VXMGT-M1.5-LF3	H6954	33.40
1.6mm	4mm	2.4mm		50mm	0.20mm	VXMGT-M1.6-SF	H2074	33.40
1.6mm	4mm	5.0mm		50mm	0.20mm	VXMGT-M1.6-LF3	H6915	33.40
2.0mm	4mm	3.0mm		50mm	0.20mm	VXMGT-M2.0-SF	H6955	33.40
2.0mm	4mm	3.0mm	10mm	50mm	0.20mm	VXMGT-M2.0-SF5	H6956	52.78
2.0mm	4mm	3.0mm	16mm	50mm	0.20mm	VXMGT-M2.0-SF8	H6957	53.97
2.0mm	4mm	6.0mm		50mm	0.20mm	VXMGT-M2.0-LF3	H6958	33.40
2.5mm	4mm	3.8mm		50mm	0.20mm	VXMGT-M2.5-SF	H6916	33.40
2.5mm	4mm	7.5mm		50mm	0.20mm	VXMGT-M2.5-LF3	H6959	33.40
3.0mm	4mm	4.5mm		50mm	0.20mm	VXMGT-M3.0-SF	H6960	33.40
3.0mm	4mm	4.5mm	15mm	50mm	0.20mm	VXMGT-M3.0-SF5	H6961	50.04
3.0mm	4mm	9.0mm		50mm	0.20mm	VXMGT-M3.0-LF3	H6962	33.40

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TITANIUM ALLOYS & HIGH TEMP ALLOYS

4 FLUTE • VARIABLE FLUTE - HP ROUGHING APPLICATIONS



- ▶ Geometry designed to reduce chatter, universal machining operations
- ▶ Unique titanium focused geometry and edge prep enables efficient cutting action
- ▶ Eccentric relief provides an exceptionally strong cutting edge
- ▶ Proprietary nACRo coating allows for higher SFM and is especially effective in extending tool life
- ▶ Excellent for heavy cuts, deep slotting and long axial depth profiling

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SERIES: VXMGT4T ✓ Check Stock Online

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1/16	1/8	1/8		1-1/2	SQ	std	VXMGT4T-402-NR	H6062	23.15
1/16	1/8	1/8		1-1/2	0.010	std	VXMGT4T-402-R010	H6063	23.91
3/32	1/8	3/16		1-1/2	SQ	std	VXMGT4T-403-NR	H6064	23.15
3/32	1/8	3/16		1-1/2	0.010	std	VXMGT4T-403-R010	H6065	23.91
1/8	1/8	3/16	3/8	2	0.015	ext neck	VXMGT4T-404-R015N1	H6066	25.67
1/8	1/8	3/16	7/8	2	0.015	ext neck	VXMGT4T-404-R015N2	H6067	25.67
1/8	1/8	3/16	no neck	2	0.015	no neck	VXMGT4T-404-R015NN	H6068	19.98
1/8	1/8	1/4		1-1/2	SQ	stub	VXMGT4T-404-R015S	H6069	18.71
1/8	1/8	1/4		1-1/2	0.015	stub	VXMGT4T-404-R015S1	H6070	18.71
1/8	1/8	3/8		1-1/2	0.015	std	VXMGT4T-404-R015S2	H6912	19.98
1/8	1/8	1/2		1-1/2	.011 X 45°	std	VXMGT4T-404	H6071	19.98
1/8	1/8	1/2		1-1/2	SQ	std	VXMGT4T-404-NR	H6072	19.98
1/8	1/8	1/2		1-1/2	0.015	std	VXMGT4T-404-R015	H6073	19.98
3/16	3/16	1/4		1-1/2	SQ	stub	VXMGT4T-606-NRS	H6074	21.59
3/16	3/16	1/4		1-1/2	0.015	stub	VXMGT4T-606-R015S	H6075	21.59
3/16	3/16	1/4	1/2	3	0.015	ext neck	VXMGT4T-606-R015N1	H6076	31.30
3/16	3/16	1/4	3/4	3	0.015	ext neck	VXMGT4T-606-R015N2	H6077	31.30
3/16	3/16	1/4	no neck	3	0.015	no neck	VXMGT4T-606-R015NN	H6079	28.62
3/16	3/16	5/8		2	SQ	std	VXMGT4T-606-NR	H6078	24.10
3/16	3/16	5/8		2	.011 X 45°	std	VXMGT4T-606	H6079	24.10
3/16	3/16	5/8		2	0.015	std	VXMGT4T-606-R015	14793	24.10
1/4	1/4	3/8		2	SQ	stub	VXMGT4T-808-NRS	H6080	26.92
1/4	1/4	3/8		2	0.015	stub	VXMGT4T-808-R015S	H6081	26.92
1/4	1/4	3/8		2	0.030	stub	VXMGT4T-808-R030S	H6082	26.92
1/4	1/4	3/8		2	0.060	stub	VXMGT4T-808-R060S	H7307	26.92
1/4	1/4	3/8	3/4	3	0.015	ext neck	VXMGT4T-808-R015N1	H6083	44.01
1/4	1/4	3/8	3/4	3	0.030	ext neck	VXMGT4T-808-R030N1	H6084	44.01
1/4	1/4	3/8	1-1/8	3	0.015	ext neck	VXMGT4T-808-R015N2	H6085	44.01
1/4	1/4	3/8	1-1/8	3	0.030	ext neck	VXMGT4T-808-R030N2	H6086	44.01
1/4	1/4	3/8	2-1/8	4	0.015	ext neck	VXMGT4T-808-R015N3	H6087	50.61
1/4	1/4	3/8	2-1/8	4	0.030	ext neck	VXMGT4T-808-R030N3	H6088	50.61
1/4	1/4	3/8	no neck	4	0.015	no neck	VXMGT4T-808-R015NN	H6089	40.44
1/4	1/4	3/8	no neck	4	0.030	no neck	VXMGT4T-808-R030NN	H6090	40.44
1/4	1/4	1/2		2	.011 X 45°	stub	VXMGT4T-808-S	H6091	26.92
1/4	1/4	3/4		2-1/2	SQ	std	VXMGT4T-808-NR	H6092	31.38
1/4	1/4	3/4		2-1/2	.011 X 45°	std	VXMGT4T-808	33719	31.38
1/4	1/4	3/4		2-1/2	0.015	std	VXMGT4T-808-R015	14718	31.38
1/4	1/4	3/4		2-1/2	0.030	std	VXMGT4T-808-R030	H6093	31.38
1/4	1/4	3/4		2-1/2	0.060	std	VXMGT4T-808-R060	H7308	31.38

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SERIES: VXMG4T **✓ Check Stock Online**

4 FLUTE • VARIABLE FLUTE - HP ROUGHING APPLICATIONS

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1/4	1/4	1-1/8		3	SQ	long	VXMG4T-808-NRL	H6094	36.66
1/4	1/4	1-1/8		3	0.015	long	VXMG4T-808-R015L	H6095	36.66
1/4	1/4	1-1/8		3	0.030	long	VXMG4T-808-R030L	H6096	36.66
5/16	5/16	1/2		2	SQ	stub	VXMG4T-1010-NRS	H6097	39.70
5/16	5/16	1/2		2	0.015	stub	VXMG4T-1010-R015S	H6098	39.70
5/16	5/16	1/2		2	0.030	stub	VXMG4T-1010-R030S	H6099	39.70
5/16	5/16	13/16		2-1/2	SQ	std	VXMG4T-1010-NR	H6101	41.30
5/16	5/16	13/16		2-1/2	.011 X 45°	std	VXMG4T-1010	H6100	41.30
5/16	5/16	13/16		2-1/2	0.015	std	VXMG4T-1010-R015	H6102	41.30
5/16	5/16	13/16		2-1/2	0.030	std	VXMG4T-1010-R030	H6103	41.30
5/16	5/16	1-1/8		3	SQ	long	VXMG4T-1010-NRL	H6104	47.62
5/16	5/16	1-1/8		3	0.015	long	VXMG4T-1010-R015L	H6105	47.62
5/16	5/16	1-1/8		3	0.030	long	VXMG4T-1010-R030L	H6106	47.62
3/8	3/8	1/2		2	SQ	stub	VXMG4T-1212-NRS	H6107	45.99
3/8	3/8	1/2		2	0.015	stub	VXMG4T-1212-R015S	H6108	45.99
3/8	3/8	1/2		2	0.030	stub	VXMG4T-1212-R030S	H6109	45.99
3/8	3/8	1/2		2	0.060	stub	VXMG4T-1212-R060S	H7309	45.99
3/8	3/8	1/2	1-1/8	3	0.015	ext neck	VXMG4T-1212-R015N1	H6110	62.09
3/8	3/8	1/2	1-1/8	3	0.030	ext neck	VXMG4T-1212-R030N1	H6111	62.09
3/8	3/8	1/2	2-1/8	4	0.015	ext neck	VXMG4T-1212-R015N2	H6112	71.38
3/8	3/8	1/2	2-1/8	4	0.030	ext neck	VXMG4T-1212-R030N2	H6113	71.38
3/8	3/8	1/2	3-1/8	6	0.015	ext neck	VXMG4T-1212-R015N3	H6114	88.92
3/8	3/8	1/2	3-1/8	6	0.030	ext neck	VXMG4T-1212-R030N3	H6115	88.92
3/8	3/8	1/2	no neck	6	0.015	no neck	VXMG4T-1212-R015NN	H6116	74.19
3/8	3/8	1/2	no neck	6	0.030	no neck	VXMG4T-1212-R030NN	H6117	74.19
3/8	3/8	5/8		2	.011 X 45°	stub	VXMG4T-1212-S	H6118	45.99
3/8	3/8	1		2-1/2	SQ	std	VXMG4T-1212-NR	H6120	48.83
3/8	3/8	1		2-1/2	.011 X 45°	std	VXMG4T-1212	H6119	48.83
3/8	3/8	1		2-1/2	0.015	std	VXMG4T-1212-R015	14782	48.83
3/8	3/8	1		2-1/2	0.030	std	VXMG4T-1212-R030	H6121	48.83
3/8	3/8	1		2-1/2	0.060	std	VXMG4T-1212-R060	H7310	48.83
3/8	3/8	1-1/8		3	SQ	long	VXMG4T-1212-NRL	H6122	58.27
3/8	3/8	1-1/8		3	0.015	long	VXMG4T-1212-R015L	H6123	58.27
3/8	3/8	1-1/8		3	0.030	long	VXMG4T-1212-R030L	H6124	58.27
7/16	7/16	1		2-3/4	0.015	std	VXMG4T-1414-R015	H6125	65.28
7/16	7/16	1		2-3/4	0.030	std	VXMG4T-1414-R030	H6126	65.28
1/2	1/2	5/8		2-1/2	SQ	stub	VXMG4T-1616-NRS	14719	71.58
1/2	1/2	5/8		2-1/2	.011 X 45°	stub	VXMG4T-1616-S	H6130	71.58
1/2	1/2	5/8		2-1/2	0.015	stub	VXMG4T-1616-R015S	H6127	71.58
1/2	1/2	5/8		2-1/2	0.030	stub	VXMG4T-1616-R030S	H6128	71.58
1/2	1/2	5/8		2-1/2	0.060	stub	VXMG4T-1616-R060S	H6129	71.58
1/2	1/2	5/8	1-1/2	4	0.015	ext neck	VXMG4T-1616-R015N1	H6131	130.52
1/2	1/2	5/8	1-1/2	4	0.030	ext neck	VXMG4T-1616-R030N1	H6132	130.52
1/2	1/2	5/8	1-1/2	4	0.060	ext neck	VXMG4T-1616-R060N1	H6133	130.52
1/2	1/2	5/8	2-1/4	4	0.015	ext neck	VXMG4T-1616-R015N2	H6134	130.52
1/2	1/2	5/8	2-1/4	4	0.030	ext neck	VXMG4T-1616-R030N2	H6135	130.52
1/2	1/2	5/8	2-1/4	4	0.060	ext neck	VXMG4T-1616-R060N2	H6136	130.52



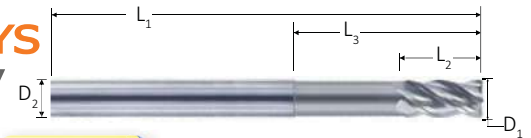
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TITANIUM ALLOYS & HIGH TEMP ALLOYS

4 FLUTE • VARIABLE FLUTE - HP ROUGHING APPLICATIONS

✓ **Check Stock Online**



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SERIES: VXMG4T



DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1/2	1/2	5/8	3-3/8	6	0.015	ext neck	VXMG4T-1616-R015N3	H6137	160.91
1/2	1/2	5/8	3-3/8	6	0.030	ext neck	VXMG4T-1616-R030N3	H6138	160.91
1/2	1/2	5/8	3-3/8	6	0.060	ext neck	VXMG4T-1616-R060N3	H6139	160.91
1/2	1/2	5/8	no neck	6	0.015	no neck	VXMG4T-1616-R015NN	H6140	130.38
1/2	1/2	5/8	no neck	6	0.030	no neck	VXMG4T-1616-R030NN	H6141	130.38
1/2	1/2	5/8	no neck	6	0.060	no neck	VXMG4T-1616-R060NN	H6142	130.38
1/2	1/2	1		3	SQ	std	VXMG4T-1616-NR	H6144	78.58
1/2	1/2	1		3	.011 X 45°	std	VXMG4T-1616	H6143	78.58
1/2	1/2	1		3	0.015	std	VXMG4T-1616-R015	H6145	78.58
1/2	1/2	1		3	0.030	std	VXMG4T-1616-R030	14790	78.58
1/2	1/2	1		3	0.060	std	VXMG4T-1616-R060	H6146	78.58
1/2	1/2	1		3	0.090	std	VXMG4T-1616-R090	H7311	78.58
1/2	1/2	1		3	0.120	std	VXMG4T-1616-R120	H7312	78.58
1/2	1/2	1-1/4		3	SQ	med	VXMG4T-1616-NRM	H6148	94.10
1/2	1/2	1-1/4		3	.011 X 45°	med	VXMG4T-1616-M	H6147	78.58
1/2	1/2	1-1/4		3	0.015	med	VXMG4T-1616-R015M	H6149	78.58
1/2	1/2	1-1/4		3	0.030	med	VXMG4T-1616-R030M	H6150	78.58
1/2	1/2	1-1/4		3	0.060	med	VXMG4T-1616-R060M	H6151	78.58
1/2	1/2	1-1/4		3	0.090	med	VXMG4T-1616-R090M	H7313	78.58
1/2	1/2	1-1/4		3	0.120	med	VXMG4T-1616-R120M	H6152	87.14
1/2	1/2	1-1/2		4	SQ	med/long	VXMG4T-1616-NRML	H6154	100.17
1/2	1/2	1-1/2		4	.011 X 45°	med/long	VXMG4T-1616-ML	H6153	100.17
1/2	1/2	1-1/2		4	0.030	med/long	VXMG4T-1616-R030ML	H6155	100.17
1/2	1/2	1-1/2		4	0.060	med/long	VXMG4T-1616-R060ML	H6156	100.17
1/2	1/2	2		4	0.000	long	VXMG4T-1616-NRL	H6157	100.17
1/2	1/2	2		4	0.015	long	VXMG4T-1616-R015L	H6158	100.17
1/2	1/2	2		4	0.030	long	VXMG4T-1616-R030L	H6159	100.17
1/2	1/2	2		4	0.060	long	VXMG4T-1616-R060L	H6160	100.17
1/2	1/2	2		4	0.120	long	VXMG4T-1616-R120L	H7369	108.73
5/8	5/8	3/4		3	SQ	stub	VXMG4T-2020-NRS	H6162	129.79
5/8	5/8	3/4		3	.022 X 45°	stub	VXMG4T-2020-S	H6161	129.79
5/8	5/8	3/4		3	0.030	stub	VXMG4T-2020-R030S	H6163	129.79
5/8	5/8	3/4		3	0.060	stub	VXMG4T-2020-R060S	H6164	129.79
5/8	5/8	3/4		3	0.090	stub	VXMG4T-2020-R090S	H6165	129.79
5/8	5/8	3/4	1-5/8	5	0.030	ext neck	VXMG4T-2020-R030N1	H6166	223.70
5/8	5/8	3/4	1-5/8	5	0.060	ext neck	VXMG4T-2020-R060N1	H6167	223.70
5/8	5/8	3/4	1-5/8	5	0.090	ext neck	VXMG4T-2020-R090N1	H6168	223.70
5/8	5/8	3/4	2-3/8	5	0.060	ext neck	VXMG4T-2020-R060N2	H6169	223.70
5/8	5/8	3/4	3-3/8	6	0.060	ext neck	VXMG4T-2020-R060N3	H6170	201.87
5/8	5/8	3/4	no neck	6	0.060	no neck	VXMG4T-2020-R060NN	H6171	201.87
5/8	5/8	1-1/4		3-1/2	SQ	std	VXMG4T-2020-NR	H6173	136.94
5/8	5/8	1-1/4		3-1/2	.022 X 45°	std	VXMG4T-2020	H6172	136.94
5/8	5/8	1-1/4		3-1/2	0.030	std	VXMG4T-2020-R030	14791	136.94
5/8	5/8	1-1/4		3-1/2	0.060	std	VXMG4T-2020-R060	H6174	136.94
5/8	5/8	1-1/4		3-1/2	0.090	std	VXMG4T-2020-R090	H6175	136.94
5/8	5/8	2-1/4		5	0.000	long	VXMG4T-2020-NRL	H6176	172.48
5/8	5/8	2-1/4		5	0.030	long	VXMG4T-2020-R030L	H6177	172.48
5/8	5/8	2-1/4		5	0.060	long	VXMG4T-2020-R060L	H6178	172.48

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SERIES: VXMGT-4T

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DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
5/8	5/8	3-1/4		6	0.030	xl	VXMG4T-2020-R030E	H6179	201.87
5/8	5/8	3-1/4		6	0.060	xl	VXMG4T-2020-R060E	H6180	201.87
3/4	3/4	7/8		3	SQ	stub	VXMG4T-2424-NRS	H6181	191.96
3/4	3/4	7/8		3	.022 X 45°	stub	VXMG4T-2424-S	H6186	191.96
3/4	3/4	7/8		3	0.030	stub	VXMG4T-2424-R030S	H6182	191.96
3/4	3/4	7/8		3	0.060	stub	VXMG4T-2424-R060S	H6183	191.96
3/4	3/4	7/8		3	0.090	stub	VXMG4T-2424-R090S	H6184	191.96
3/4	3/4	7/8		3	0.120	stub	VXMG4T-2424-R120S	H6185	206.08
3/4	3/4	7/8	2	5	0.030	ext neck	VXMG4T-2424-R030N1	H6187	261.94
3/4	3/4	7/8	2	5	0.060	ext neck	VXMG4T-2424-R060N1	H6188	261.94
3/4	3/4	7/8	2	5	0.090	ext neck	VXMG4T-2424-R090N1	H6189	261.94
3/4	3/4	7/8	2	5	0.120	ext neck	VXMG4T-2424-R120N1	H6190	261.94
3/4	3/4	7/8	2-1/2	5	0.030	ext neck	VXMG4T-2424-R030N2	H6191	261.94
3/4	3/4	7/8	2-1/2	5	0.060	ext neck	VXMG4T-2424-R060N2	H6192	261.94
3/4	3/4	7/8	2-1/2	5	0.090	ext neck	VXMG4T-2424-R090N2	H6193	261.94
3/4	3/4	7/8	2-1/2	5	0.120	ext neck	VXMG4T-2424-R120N2	H6194	261.94
3/4	3/4	7/8	3-3/8	6	0.030	ext neck	VXMG4T-2424-R030N3	H6195	284.97
3/4	3/4	7/8	3-3/8	6	0.060	ext neck	VXMG4T-2424-R060N3	H6196	284.97
3/4	3/4	7/8	3-3/8	6	0.090	ext neck	VXMG4T-2424-R090N3	H6197	284.97
3/4	3/4	7/8	3-3/8	6	0.120	ext neck	VXMG4T-2424-R120N3	H6198	284.97
3/4	3/4	7/8	no neck	6	0.030	no neck	VXMG4T-2424-R030NN	H6199	269.68
3/4	3/4	7/8	no neck	6	0.060	no neck	VXMG4T-2424-R060NN	H6200	269.68
3/4	3/4	7/8	no neck	6	0.090	no neck	VXMG4T-2424-R090NN	H6201	269.68
3/4	3/4	7/8	no neck	6	0.120	no neck	VXMG4T-2424-R120NN	H6202	269.68
3/4	3/4	1-1/2		4	SQ	std	VXMG4T-2424-NR	H6204	206.08
3/4	3/4	1-1/2		4	.022 X 45°	std	VXMG4T-2424	H6203	206.08
3/4	3/4	1-1/2		4	0.030	std	VXMG4T-2424-R030	H6205	206.08
3/4	3/4	1-1/2		4	0.060	std	VXMG4T-2424-R060	34931	206.08
3/4	3/4	1-1/2		4	0.090	std	VXMG4T-2424-R090	H6206	206.08
3/4	3/4	1-1/2		4	0.120	std	VXMG4T-2424-R120	H6207	206.08
3/4	3/4	2-1/4		5	SQ	long	VXMG4T-2424-NRL	H6208	244.69
3/4	3/4	2-1/4		5	0.030	long	VXMG4T-2424-R030L	H6209	244.69
3/4	3/4	2-1/4		5	0.060	long	VXMG4T-2424-R060L	H6210	244.69
3/4	3/4	2-1/4		5	0.090	long	VXMG4T-2424-R090L	H6211	244.69
3/4	3/4	2-1/4		5	0.120	long	VXMG4T-2424-R120L	H6212	244.69
3/4	3/4	3		6	SQ	xl	VXMG4T-2424-NRE	H6213	286.83
3/4	3/4	3		6	0.030	xl	VXMG4T-2424-R030E	H6214	286.83
3/4	3/4	3		6	0.060	xl	VXMG4T-2424-R060E	H6215	286.83
3/4	3/4	3		6	0.090	xl	VXMG4T-2424-R090E	H6216	286.83
3/4	3/4	3		6	0.120	xl	VXMG4T-2424-R120E	H6217	286.83
1	1	1-1/2		4	SQ	std	VXMG4T-3232-NR	H6219	315.10
1	1	1-1/2		4	.022 X 45°	std	VXMG4T-3232	H6218	315.10
1	1	1-1/2		4	0.030	std	VXMG4T-3232-R030	H6220	315.10
1	1	1-1/2		4	0.060	std	VXMG4T-3232-R060	H6221	315.10
1	1	1-1/2		4	0.090	std	VXMG4T-3232-R090	H6222	315.10
1	1	1-1/2		4	0.120	std	VXMG4T-3232-R120	H6223	315.10

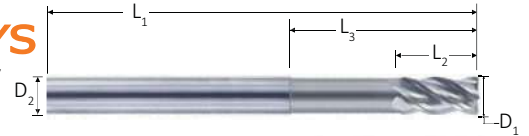


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SERIES: VXM4T

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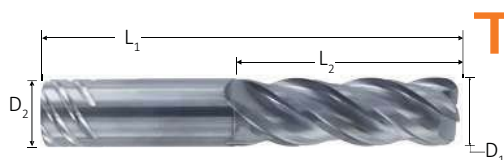


DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1	1	1-1/2	2-1/4	5	0.030	ext neck	VXMG4T-3232-R030N1	H6224	374.76
1	1	1-1/2	2-1/4	5	0.060	ext neck	VXMG4T-3232-R060N1	H6225	374.76
1	1	1-1/2	2-1/4	5	0.090	ext neck	VXMG4T-3232-R090N1	H6226	374.76
1	1	1-1/2	2-1/4	5	0.120	ext neck	VXMG4T-3232-R120N1	H6227	374.76
1	1	1-1/2	2-5/8	5	0.030	ext neck	VXMG4T-3232-R030N2	H6228	374.76
1	1	1-1/2	2-5/8	5	0.060	ext neck	VXMG4T-3232-R060N2	H6229	374.76
1	1	1-1/2	2-5/8	5	0.090	ext neck	VXMG4T-3232-R090N2	H6230	374.76
1	1	1-1/2	2-5/8	5	0.120	ext neck	VXMG4T-3232-R120N2	H6231	374.76
1	1	1-1/2	3-3/8	6	0.030	ext neck	VXMG4T-3232-R030N3	H6232	449.31
1	1	1-1/2	3-3/8	6	0.060	ext neck	VXMG4T-3232-R060N3	H6233	449.31
1	1	1-1/2	3-3/8	6	0.090	ext neck	VXMG4T-3232-R090N3	H6234	449.31
1	1	1-1/2	3-3/8	6	0.120	ext neck	VXMG4T-3232-R120N3	H6235	449.31
1	1	1-1/2	4-1/8	6	0.030	ext neck	VXMG4T-3232-R030N4	H6236	449.31
1	1	1-1/2	4-1/8	6	0.060	ext neck	VXMG4T-3232-R060N4	H6237	449.31
1	1	1-1/2	4-1/8	6	0.090	ext neck	VXMG4T-3232-R090N4	H6238	449.31
1	1	1-1/2	4-1/8	6	0.120	ext neck	VXMG4T-3232-R120N4	H6239	449.31
1	1	1-1/2	no neck	6	0.030	no neck	VXMG4T-3232-R030NN	H6240	419.95
1	1	1-1/2	no neck	6	0.060	no neck	VXMG4T-3232-R060NN	H6241	419.95
1	1	1-1/2	no neck	6	0.090	no neck	VXMG4T-3232-R090NN	H6242	419.95
1	1	1-1/2	no neck	6	0.120	no neck	VXMG4T-3232-R120NN	H6243	419.95
1	1	2-1/4		5	SQ	long	VXMG4T-3232-NRL	H6244	356.03
1	1	2-1/4		5	0.030	long	VXMG4T-3232-R030L	H6245	356.03
1	1	2-1/4		5	0.060	long	VXMG4T-3232-R060L	H6246	356.03
1	1	2-1/4		5	0.090	long	VXMG4T-3232-R090L	H6247	356.03
1	1	2-1/4		5	0.120	long	VXMG4T-3232-R120L	H6248	356.03
1	1	3		6	0.030	xl	VXMG4T-3232-R030E	H6249	458.54
1	1	3		6	0.060	xl	VXMG4T-3232-R060E	H6250	458.54
1	1	3		6	0.090	xl	VXMG4T-3232-R090E	H6251	458.54
1	1	3		6	0.120	xl	VXMG4T-3232-R120E	H6252	458.54

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- Geometry designed to reduce chatter, universal machining operations
- Unique titanium focused geometry and edge prep enables efficient cutting action
- Eccentric relief provides an exceptionally strong cutting edge
- Proprietary nACRo coating allows for higher SFM and is especially effective in extending tool life
- Excellent for heavy cuts, deep slotting and long axial depth profiling
- Haimer Safe Lock™ pull out protection on shank
- Stocked for immediate delivery

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SERIES: VXMGT-__-SL (SAFE LOCK SHANK)

DIA D ₁		LOC L ₂	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1/2	1/2	1	3	0.015	std	VXMGT-1616-R015-SL	H6862	99.22
1/2	1/2	1	3	0.030	std	VXMGT-1616-R030-SL	H6863	99.22
1/2	1/2	1	3	0.060	std	VXMGT-1616-R060-SL	H6864	99.22
1/2	1/2	2	4	0.015	long	VXMGT-1616-R015L-SL	H6865	123.19
1/2	1/2	2	4	0.030	long	VXMGT-1616-R030L-SL	H6866	123.19
1/2	1/2	2	4	0.060	long	VXMGT-1616-R060L-SL	H6867	123.19
5/8	5/8	1-1/4	3-1/2	0.030	std	VXMGT-2020-R030-SL	H6868	164.00
5/8	5/8	1-1/4	3-1/2	0.060	std	VXMGT-2020-R060-SL	H6869	164.00
5/8	5/8	1-1/4	3-1/2	0.090	std	VXMGT-2020-R090-SL	H6870	164.00
3/4	3/4	1-1/2	4	0.030	std	VXMGT-2424-R030-SL	H6871	240.75
3/4	3/4	1-1/2	4	0.060	std	VXMGT-2424-R060-SL	H6872	240.75
3/4	3/4	1-1/2	4	0.090	std	VXMGT-2424-R090-SL	H6873	240.75
3/4	3/4	1-1/2	4	0.120	std	VXMGT-2424-R120-SL	H6874	240.75
3/4	3/4	2-1/4	5	0.030	long	VXMGT-2424-R030L-SL	H6875	283.60
3/4	3/4	2-1/4	5	0.060	long	VXMGT-2424-R060L-SL	H6876	283.60
3/4	3/4	2-1/4	5	0.090	long	VXMGT-2424-R090L-SL	H6877	283.60
3/4	3/4	2-1/4	5	0.120	long	VXMGT-2424-R120L-SL	H6878	283.60
1	1	1-1/2	4	0.030	std	VXMGT-3232-R030-SL	H6879	361.77
1	1	1-1/2	4	0.060	std	VXMGT-3232-R060-SL	H6880	361.77
1	1	1-1/2	4	0.090	std	VXMGT-3232-R090-SL	H6881	361.77
1	1	1-1/2	4	0.120	std	VXMGT-3232-R120-SL	H6882	361.77
1	1	2-1/4	5	0.030	long	VXMGT-3232-R030L-SL	H6883	407.20
1	1	2-1/4	5	0.060	long	VXMGT-3232-R060L-SL	H6884	407.20
1	1	2-1/4	5	0.090	long	VXMGT-3232-R090L-SL	H6885	407.20
1	1	2-1/4	5	0.120	long	VXMGT-3232-R120L-SL	H6886	407.20



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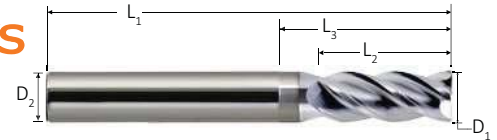
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- Excellent for heavy cuts, deep slotting and long axial depth profiling

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SERIES: VXMG4T-M_M_ ✓ Check Stock Online

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1.5mm	3mm	3mm		38mm	SQ	std	VXMG4T-M3M1.5-NR	H6253	23.15
1.5mm	3mm	3mm		38mm	0.25mm	std	VXMG4T-M3M1.5-R0.25	H6254	23.91
2mm	3mm	4mm		38mm	SQ	std	VXMG4T-M3M2-NR	H6255	23.15
2mm	3mm	4mm		38mm	0.25mm	std	VXMG4T-M3M2-R0.25	H6256	23.91
2.5mm	3mm	5mm		38mm	SQ	std	VXMG4T-M3M2.5-NR	H6257	23.15
2.5mm	3mm	5mm		38mm	0.25mm	std	VXMG4T-M3M2.5-R0.25	H6258	23.91
3mm	3mm	6mm		38mm	SQ	stub	VXMG4T-M3M3-NRS	H6259	18.71
3mm	3mm	6mm		38mm	0.25mm	stub	VXMG4T-M3M3-R0.25S	H6260	19.36
3mm	3mm	12mm		38mm	SQ	std	VXMG4T-M3M3-NR	H6261	19.98
3mm	3mm	12mm		38mm	0.25mm	std	VXMG4T-M3M3-R0.25	H6262	20.62
3mm	6mm	12mm		63mm	SQ	std	VXMG4T-M6M3-NR	H6263	34.35
3mm	6mm	12mm		63mm	0.25mm x 45°	std	VXMG4T-M6M3	H6264	34.35
3mm	6mm	12mm		63mm	0.25mm	std	VXMG4T-M6M3-R0.25	H6265	34.35
3mm	6mm	12mm		63mm	0.5mm	std	VXMG4T-M6M3-R0.5	H6266	34.35
4mm	4mm	14mm		51mm	SQ	std	VXMG4T-M4M4-NR	H6267	23.98
4mm	4mm	14mm		51mm	0.25mm x 45°	std	VXMG4T-M4M4	H6268	23.98
4mm	4mm	14mm		51mm	0.25mm	std	VXMG4T-M4M4-R0.25	H6269	23.98
4mm	6mm	14mm		63mm	0.25mm x 45°	std	VXMG4T-M6M4	H6270	34.35
4mm	6mm	14mm		63mm	0.25mm	std	VXMG4T-M6M4-R0.25	H6271	34.35
4mm	6mm	14mm		63mm	0.50mm	std	VXMG4T-M6M4-R0.50	H6272	34.35
5mm	5mm	20mm		51mm	SQ	std	VXMG4T-M5M5-NR	H6273	28.69
5mm	5mm	20mm		51mm	0.25mm x 45°	std	VXMG4T-M5M5	H6274	28.69
5mm	5mm	20mm		51mm	0.25mm	std	VXMG4T-M5M5-R0.25	H6275	27.57
5mm	5mm	20mm		51mm	0.5mm	std	VXMG4T-M5M5-R0.5	H6276	27.57
6mm	6mm	12mm	30mm	100mm	0.25mm	ext neck	VXMG4T-M6M6-R0.25N1	H6277	50.61
6mm	6mm	12mm	30mm	100mm	0.5mm	ext neck	VXMG4T-M6M6-R0.5N1	H6278	50.61
6mm	6mm	12mm	30mm	100mm	1.0mm	ext neck	VXMG4T-M6M6-R1.0N1	H6279	50.61
6mm	6mm	20mm		63mm	SQ	std	VXMG4T-M6M6-NR	H6280	34.34
6mm	6mm	20mm		63mm	0.25mm x 45°	std	VXMG4T-M6M6	H6281	34.34
6mm	6mm	20mm		63mm	0.25mm	std	VXMG4T-M6M6-R0.25	H6282	34.34
6mm	6mm	20mm		63mm	0.5mm	std	VXMG4T-M6M6-R0.5	H6283	34.34
6mm	6mm	20mm		63mm	1.0mm	std	VXMG4T-M6M6-R1.0	H6284	34.34
6mm	6mm	20mm	32mm	75mm	0.5mm	ext neck	VXMG4T-M6M6-R0.5N	H6285	39.11
6mm	6mm	24mm		75mm	0.5mm	long	VXMG4T-M6M6-R0.5L	H6286	39.11

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SERIES: VXMGT-M_M_ [✓ Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
8mm	8mm	16mm	40mm	100mm	0.5mm	ext neck	VXMG4T-M8M8-R0.5N1	H6287	63.11
8mm	8mm	16mm	40mm	100mm	1.0mm	ext neck	VXMG4T-M8M8-R1.0N1	H6288	63.11
8mm	8mm	16mm	40mm	100mm	2.0mm	ext neck	VXMG4T-M8M8-R2.0N1	H6289	63.11
8mm	8mm	20mm		63mm	SQ	std	VXMG4T-M8M8-NR	H6290	42.65
8mm	8mm	20mm		63mm	0.25mm x 45°	std	VXMG4T-M8M8	H6291	42.65
8mm	8mm	20mm		63mm	0.5mm	std	VXMG4T-M8M8-R0.5	H6292	42.65
8mm	8mm	20mm		63mm	1.0mm	std	VXMG4T-M8M8-R1.0	H6293	42.65
8mm	8mm	20mm		63mm	1.5mm	std	VXMG4T-M8M8-R1.5	H6294	42.65
8mm	8mm	20mm		63mm	2.0mm	std	VXMG4T-M8M8-R2.0	H6295	42.65
8mm	8mm	20mm	32mm	75mm	0.5mm	ext neck	VXMG4T-M8M8-R0.5N	H6296	48.59
8mm	8mm	32mm		75mm	0.5mm	long	VXMG4T-M8M8-R0.5L	H6297	48.59
10mm	10mm	20mm	50mm	127mm	0.5mm	ext neck	VXMG4T-M10M10-R0.5N2	12120	76.39
10mm	10mm	20mm	50mm	127mm	1.0mm	ext neck	VXMG4T-M10M10-R1.0N2	H6298	76.39
10mm	10mm	20mm	50mm	127mm	2.0mm	ext neck	VXMG4T-M10M10-R2.0N2	H6299	76.39
10mm	10mm	25mm		70mm	SQ	std	VXMG4T-M10M10-NR	H6300	58.00
10mm	10mm	25mm		70mm	0.25mm x 45°	std	VXMG4T-M10M10	H6301	58.00
10mm	10mm	25mm		70mm	0.5mm	std	VXMG4T-M10M10-R0.5	H6302	58.00
10mm	10mm	25mm		70mm	1.0mm	std	VXMG4T-M10M10-R1.0	H6303	58.00
10mm	10mm	25mm		70mm	1.5mm	std	VXMG4T-M10M10-R1.5	H6304	58.00
10mm	10mm	25mm		70mm	2.0mm	std	VXMG4T-M10M10-R2.0	H6305	58.00
10mm	10mm	25mm	50mm	100mm	0.5mm	ext neck	VXMG4T-M10M10-R0.5N	H6306	68.20
10mm	10mm	40mm		100mm	0.5mm	long	VXMG4T-M10M10-R0.5L	H6307	68.20
12mm	12mm	25mm		76mm	SQ	std	VXMG4T-M12M12-NR	H6308	80.03
12mm	12mm	25mm		76mm	0.25mm x 45°	std	VXMG4T-M12M12	H6309	80.03
12mm	12mm	25mm		76mm	0.5mm	std	VXMG4T-M12M12-R0.5	H6310	80.03
12mm	12mm	25mm		76mm	1.0mm	std	VXMG4T-M12M12-R1.0	H6311	80.03
12mm	12mm	25mm		76mm	1.5mm	std	VXMG4T-M12M12-R1.5	H6312	80.03
12mm	12mm	25mm		76mm	2.0mm	std	VXMG4T-M12M12-R2.0	H6313	80.03
12mm	12mm	25mm		76mm	3.0mm	std	VXMG4T-M12M12-R3.0	H6314	80.03
12mm	12mm	25mm	50mm	100mm	0.5mm	ext neck	VXMG4T-M12M12-R0.5N	H6315	101.56
12mm	12mm	25mm	60mm	150mm	0.5mm	ext neck	VXMG4T-M12M12-R0.5N1	H6316	158.61
12mm	12mm	25mm	60mm	150mm	1.0mm	ext neck	VXMG4T-M12M12-R1.0N1	H6317	158.61
12mm	12mm	25mm	60mm	150mm	2.0mm	ext neck	VXMG4T-M12M12-R2.0N1	H6318	158.61
12mm	12mm	25mm	60mm	150mm	3.0mm	ext neck	VXMG4T-M12M12-R3.0N1	H6319	158.61
12mm	12mm	48mm		100mm	0.5mm	long	VXMG4T-M12M12-R0.5L	H6320	101.56
14mm	14mm	32mm		89mm	0.5mm x 45°	std	VXMG4T-M14M14	H6321	133.39
14mm	14mm	32mm		89mm	0.5mm	std	VXMG4T-M14M14-R0.5	H6322	133.39
14mm	14mm	32mm		89mm	1.0mm	std	VXMG4T-M14M14-R1.0	H6323	133.39
14mm	14mm	32mm		89mm	2.0mm	std	VXMG4T-M14M14-R2.0	H6324	133.39
16mm	16mm	32mm		89mm	SQ	std	VXMG4T-M16M16-NR	H6325	144.25
16mm	16mm	32mm		89mm	0.5mm x 45°	std	VXMG4T-M16M16	H6326	144.25
16mm	16mm	32mm		89mm	0.5mm	std	VXMG4T-M16M16-R0.5	H6327	144.25
16mm	16mm	32mm		89mm	1.0mm	std	VXMG4T-M16M16-R1.0	H6328	144.25
16mm	16mm	32mm		89mm	1.5mm	std	VXMG4T-M16M16-R1.5	H6329	144.25
16mm	16mm	32mm		89mm	2.0mm	std	VXMG4T-M16M16-R2.0	H6330	144.25
16mm	16mm	32mm		89mm	3.0mm	std	VXMG4T-M16M16-R3.0	H6331	144.25

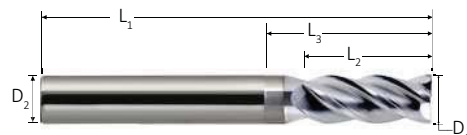
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SERIES: VXMG4T-M_M_

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DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
16mm	16mm	32mm	65mm	127mm	0.5mm	ext neck	VXMG4T-M16M16-R0.5N	H6332	179.79
16mm	16mm	32mm	80mm	150mm	0.5mm	ext neck	VXMG4T-M16M16-R0.5N1	H6333	210.66
16mm	16mm	32mm	80mm	150mm	1.0mm	ext neck	VXMG4T-M16M16-R1.0N1	H6334	210.66
16mm	16mm	32mm	80mm	150mm	2.0mm	ext neck	VXMG4T-M16M16-R2.0N1	H6335	210.66
16mm	16mm	32mm	80mm	150mm	3.0mm	ext neck	VXMG4T-M16M16-R3.0N1	H6336	210.66
16mm	16mm	48mm		127mm	0.5mm	long	VXMG4T-M16M16-R0.5L	H6337	179.79
18mm	18mm	38mm		100mm	0.5mm x 45°	std	VXMG4T-M18M18	H6338	211.24
18mm	18mm	38mm		100mm	0.5mm	std	VXMG4T-M18M18-R0.5	H6339	211.24
18mm	18mm	38mm		100mm	1.0mm	std	VXMG4T-M18M18-R1.0	H6340	211.24
18mm	18mm	38mm		100mm	2.0mm	std	VXMG4T-M18M18-R2.0	H6341	211.24
20mm	20mm	38mm		100mm	SQ	std	VXMG4T-M20M20-NR	H6342	243.99
20mm	20mm	38mm		100mm	0.5mm x 45°	std	VXMG4T-M20M20	H6343	243.99
20mm	20mm	38mm		100mm	0.5mm	std	VXMG4T-M20M20-R0.5	H6344	243.99
20mm	20mm	38mm		100mm	1.0mm	std	VXMG4T-M20M20-R1.0	H6345	243.99
20mm	20mm	38mm		100mm	1.5mm	std	VXMG4T-M20M20-R1.5	H6346	243.99
20mm	20mm	38mm		100mm	2.0mm	std	VXMG4T-M20M20-R2.0	H6347	243.99
20mm	20mm	38mm		100mm	3.0mm	std	VXMG4T-M20M20-R3.0	H6348	243.99
20mm	20mm	38mm	65mm	127mm	0.5mm	ext neck	VXMG4T-M20M20-R0.5N	H6349	282.60
20mm	20mm	38mm	100mm	150mm	0.5mm	ext neck	VXMG4T-M20M20-R0.5N1	H6350	312.04
20mm	20mm	38mm	100mm	150mm	1.0mm	ext neck	VXMG4T-M20M20-R1.0N1	H6351	312.04
20mm	20mm	38mm	100mm	150mm	3.0mm	ext neck	VXMG4T-M20M20-R3.0N1	H6352	312.04
20mm	20mm	60mm		127mm	0.5mm	long	VXMG4T-M20M20-R0.5L	H6353	282.60
25mm	25mm	38mm		100mm	0.5mm x 45°	std	VXMG4T-M25M25	H6354	339.25
25mm	25mm	38mm		100mm	0.5mm	std	VXMG4T-M25M25-R0.5	H6355	339.25
25mm	25mm	38mm		100mm	1.0mm	std	VXMG4T-M25M25-R1.0	H6356	339.25
25mm	25mm	38mm		100mm	2.0mm	std	VXMG4T-M25M25-R2.0	H6357	339.25

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- Geometry designed to reduce chatter, universal and Z-axis machining operations
- Unique titanium focused geometry and edge prep enables efficient cutting action
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SERIES: VXMG4T-__-B ✓ [Check Stock Online](#)

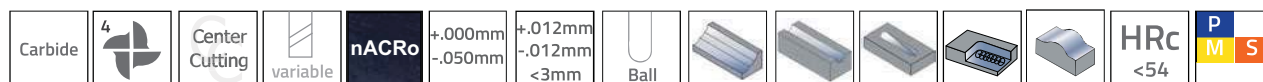
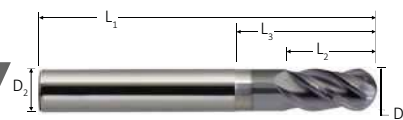
DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	LENGTH	PART NAME	nACRo EDP	nACRo Price
1/16	1/8	3/16		1-1/2	std	VXMG4T-402-B	14724	24.11
3/32	1/8	9/32		1-1/2	std	VXMG4T-403-B	H6358	24.11
1/8	1/8	3/16	3/8	2	ext neck	VXMG4T-404-N1B	H6359	28.79
1/8	1/8	1/4		1-1/2	stub	VXMG4T-404-SB	H6360	20.99
1/8	1/8	1/2		1-1/2	std	VXMG4T-404-B	H6361	22.40
3/16	3/16	1/4		1-1/2	stub	VXMG4T-606-SB	H6362	24.22
3/16	3/16	1/4	1/2	3	ext neck	VXMG4T-606-N1B	H6363	35.10
3/16	3/16	5/8		2	std	VXMG4T-606-B	H6364	27.02
1/4	1/4	3/8		2	stub	VXMG4T-808-SB	H6365	30.19
1/4	1/4	3/8	3/4	3	ext neck	VXMG4T-808-N1B	H6366	49.36
1/4	1/4	3/4		2-1/2	std	VXMG4T-808-B	14740	35.20
5/16	5/16	1/2		2	stub	VXMG4T-1010-SB	H6367	44.52
5/16	5/16	13/16		2-1/2	std	VXMG4T-1010-B	H6368	46.32
3/8	3/8	1/2		2	stub	VXMG4T-1212-SB	H6369	51.58
3/8	3/8	1/2	1-1/8	3	ext neck	VXMG4T-1212-N1B	H6370	69.64
3/8	3/8	1		2-1/2	std	VXMG4T-1212-B	H6371	54.77
1/2	1/2	5/8		2-1/2	stub	VXMG4T-1616-SB	H6372	80.28
1/2	1/2	5/8	1-1/2	4	ext neck	VXMG4T-1616-N1B	H6373	146.38
1/2	1/2	1		3	std	VXMG4T-1616-B	H6374	88.13
1/2	1/2	1	1-3/4	4	ext neck	VXMG4T-1616-N2B	H7314	146.38
5/8	5/8	3/4		3	stub	VXMG4T-2020-SB	H6375	145.56
5/8	5/8	3/4	1-5/8	5	ext neck	VXMG4T-2020-N1B	H6376	250.88
5/8	5/8	1-1/4		3-1/2	std	VXMG4T-2020-B	H6377	153.58
3/4	3/4	7/8		3	stub	VXMG4T-2424-SB	H6378	215.28
3/4	3/4	7/8	2	5	ext neck	VXMG4T-2424-N1B	H6379	293.76
3/4	3/4	1-1/2		4	std	VXMG4T-2424-B	H6380	231.12
1	1	1-1/2		4	std	VXMG4T-3232-B	H6381	353.39



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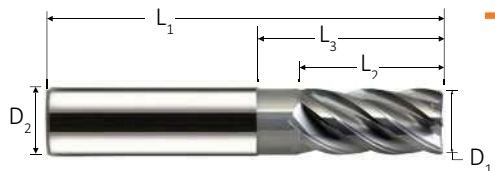


- Geometry designed to reduce chatter, universal and Z-axis machining operations
- Unique titanium focused geometry and edge prep enables efficient cutting action
- Eccentric relief provides an exceptionally strong cutting edge
- Proprietary nACRo coating allows for higher SFM and is especially effective in extending tool life
- Excellent for heavy cuts, deep slotting and long axial depth profiling

SERIES: VXMG4T-M_M_-B ✓ [Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	LENGTH	PART NAME	nACRo EDP	nACRo Price
2mm	3mm	4mm		38mm	std	VXMG4T-M3M2-B	H6382	24.11
3mm	3mm	12mm		38mm	std	VXMG4T-M3M3-B	14725	21.47
4mm	4mm	14mm		51mm	std	VXMG4T-M4M4-B	H6383	26.89
5mm	5mm	20mm		51mm	std	VXMG4T-M5M5-B	H6384	32.17
6mm	6mm	20mm		63mm	std	VXMG4T-M6M6-B	H6385	38.51
6mm	6mm	20mm	32mm	75mm	ext neck	VXMG4T-M6M6-NB	H6386	43.86
8mm	8mm	20mm		63mm	std	VXMG4T-M8M8-B	H6387	47.83
8mm	8mm	20mm	32mm	75mm	ext neck	VXMG4T-M8M8-NB	H6388	54.49
10mm	10mm	25mm		70mm	std	VXMG4T-M10M10-B	H6389	65.05
10mm	10mm	25mm	50mm	100mm	ext neck	VXMG4T-M10M10-NB	H6390	76.49
12mm	12mm	25mm		76mm	std	VXMG4T-M12M12-B	H6391	89.75
12mm	12mm	25mm	50mm	100mm	ext neck	VXMG4T-M12M12-NB	H6392	113.90
16mm	16mm	32mm		89mm	std	VXMG4T-M16M16-B	H6393	161.77
16mm	16mm	32mm	65mm	127mm	ext neck	VXMG4T-M16M16-NB	H6394	201.64
20mm	20mm	38mm		100mm	std	VXMG4T-M20M20-B	H6395	273.64
20mm	20mm	38mm	65mm	127mm	ext neck	VXMG4T-M20M20-NB	H6396	316.93

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- Geometry designed to reduce chatter, universal machining operations
- Unique titanium focused geometry and edge prep enables efficient cutting action
- Eccentric relief provides an exceptionally strong cutting edge
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- Excellent for heavy cuts, deep slotting and long axial depth profiling

SERIES: VXMGT5T ✓ [Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1/16	1/8	1/8		1-1/2	SQ	std	VXMGT5-402-NR	H6427	23.80
1/16	1/8	1/8		1-1/2	0.010	std	VXMGT5-402-R010	H6428	24.59
3/32	1/8	3/16		1-1/2	SQ	std	VXMGT5-403-NR	H6429	23.80
3/32	1/8	3/16		1-1/2	0.010	std	VXMGT5-403-R010	H6430	24.59
1/8	1/8	3/16	no neck	2	0.015	no neck	VXMGT5-404-R015NN	H6431	20.54
1/8	1/8	1/4		1-1/2	SQ	stub	VXMGT5-404-NRS	H6432	19.24
1/8	1/8	1/4		1-1/2	0.015	stub	VXMGT5-404-R015S	H6433	19.24
1/8	1/8	1/2	3/4	2	SQ	std	VXMGT5-404-NR	H6434	20.54
1/8	1/8	1/2	3/4	2	0.015	std	VXMGT5-404-R015	H6435	20.54
3/16	3/16	1/4		1-1/2	SQ	stub	VXMGT5-606-NRS	H6436	22.20
3/16	3/16	1/4		1-1/2	0.015	stub	VXMGT5-606-R015S	H6437	22.20
3/16	3/16	1/4	no neck	3	0.015	no neck	VXMGT5-606-R015NN	H6438	29.43
3/16	3/16	5/8	7/8	2	SQ	std	VXMGT5-606-NR	11882	24.77
3/16	3/16	5/8	7/8	2	0.015	std	VXMGT5-606-R015	14794	24.77
1/4	1/4	3/8		2	SQ	stub	VXMGT5-808-NRS	H6439	27.68
1/4	1/4	3/8		2	0.015	stub	VXMGT5-808-R015S	H6440	27.68
1/4	1/4	3/8		2	0.030	stub	VXMGT5-808-R030S	H6441	27.68
1/4	1/4	3/8		2	0.060	stub	VXMGT5-808-R060S	H7259	27.676
1/4	1/4	3/8	1-1/8	3	0.015	ext neck	VXMGT5-808-R015N2	H6442	45.24
1/4	1/4	3/8	1-1/8	3	0.030	ext neck	VXMGT5-808-R030N2	H6443	45.24
1/4	1/4	3/8	no neck	4	0.015	no neck	VXMGT5-808-R015NN	H6444	41.57
1/4	1/4	3/8	no neck	4	0.030	no neck	VXMGT5-808-R030NN	H6445	41.57
1/4	1/4	3/4	1	2-1/2	SQ	std	VXMGT5-808-NR	H6446	32.26
1/4	1/4	3/4	1	2-1/2	0.015	std	VXMGT5-808-R015	H6447	32.26
1/4	1/4	3/4	1	2-1/2	0.030	std	VXMGT5-808-R030	H6448	32.26
1/4	1/4	3/4	1	2-1/2	0.060	std	VXMGT5-808-R060	H7260	32.263
5/16	5/16	1/2		2	SQ	stub	VXMGT5-1010-NRS	H6449	40.81
5/16	5/16	1/2		2	0.015	stub	VXMGT5-1010-R015S	H6450	40.81
5/16	5/16	1/2		2	0.030	stub	VXMGT5-1010-R030S	H6451	40.81
5/16	5/16	13/16	1-1/16	2-1/2	SQ	std	VXMGT5-1010-NR	H6452	42.46
5/16	5/16	13/16	1-1/16	2-1/2	0.015	std	VXMGT5-1010-R015	H6453	42.46
5/16	5/16	13/16	1-1/16	2-1/2	0.030	std	VXMGT5-1010-R030	H6454	42.46
3/8	3/8	1/2		2	SQ	stub	VXMGT5-1212-NRS	H6455	47.28
3/8	3/8	1/2		2	0.015	stub	VXMGT5-1212-R015S	14722	47.28
3/8	3/8	1/2		2	0.030	stub	VXMGT5-1212-R030S	14153	47.28
3/8	3/8	1/2		2	0.060	stub	VXMGT5-1212-R060S	H7261	47.28
3/8	3/8	1/2	1-7/8	3	0.015	ext neck	VXMGT5-1212-R015N1	H6456	63.83
3/8	3/8	1/2	1-7/8	3	0.030	ext neck	VXMGT5-1212-R030N1	H6457	63.83

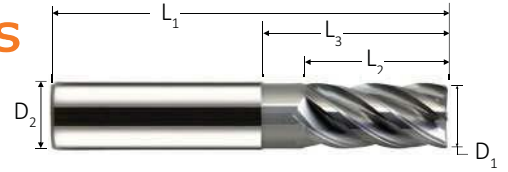


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TITANIUM ALLOYS & HIGH TEMP ALLOYS

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SERIES: VXMG5T

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
3/8	3/8	1/2	no neck	6	0.015	no neck	VXMG5T-1212-R015NN	H6458	76.27
3/8	3/8	1/2	no neck	6	0.030	no neck	VXMG5T-1212-R030NN	H6459	76.27
3/8	3/8	1		2-1/2	SQ	std	VXMG5T-1212-NR	H6460	50.20
3/8	3/8	1		2-1/2	0.015	std	VXMG5T-1212-R015	14717	50.20
3/8	3/8	1		2-1/2	0.030	std	VXMG5T-1212-R030	14716	50.20
3/8	3/8	1		2-1/2	0.060	std	VXMG5T-1212-R060	H7262	50.20
1/2	1/2	5/8		2-1/2	SQ	stub	VXMG5T-1616-NRS	H6461	73.59
1/2	1/2	5/8		2-1/2	0.015	stub	VXMG5T-1616-R015S	H6462	73.59
1/2	1/2	5/8		2-1/2	0.030	stub	VXMG5T-1616-R030S	H6463	73.59
1/2	1/2	5/8		2-1/2	0.060	stub	VXMG5T-1616-R060S	H6464	73.59
1/2	1/2	5/8		2-1/2	0.090	stub	VXMG5T-1616-R090S	H7263	73.59
1/2	1/2	5/8		2-1/2	0.120	stub	VXMG5T-1616-R120S	H7264	73.59
1/2	1/2	5/8	1-1/2	4	0.015	ext neck	VXMG5T-1616-R015N1	H6465	134.18
1/2	1/2	5/8	1-1/2	4	0.030	ext neck	VXMG5T-1616-R030N1	H6466	134.18
1/2	1/2	5/8	1-1/2	4	0.060	ext neck	VXMG5T-1616-R060N1	H6467	134.18
1/2	1/2	5/8	2-1/4	4	0.015	ext neck	VXMG5T-1616-R015N2	H6468	134.18
1/2	1/2	5/8	2-1/4	4	0.030	ext neck	VXMG5T-1616-R030N2	H6469	134.18
1/2	1/2	5/8	2-1/4	4	0.060	ext neck	VXMG5T-1616-R060N2	H6470	134.18
1/2	1/2	5/8	no neck	6	0.015	no neck	VXMG5T-1616-R015NN	H6471	134.04
1/2	1/2	5/8	no neck	6	0.030	no neck	VXMG5T-1616-R030NN	H6472	134.04
1/2	1/2	5/8	no neck	6	0.060	no neck	VXMG5T-1616-R060NN	H6473	134.04
1/2	1/2	1	1-1/4	3	SQ	std	VXMG5T-1616-NR	H6474	80.78
1/2	1/2	1	1-1/4	3	0.015	std	VXMG5T-1616-R015	H6475	80.78
1/2	1/2	1	1-1/4	3	0.030	std	VXMG5T-1616-R030	H6476	80.78
1/2	1/2	1	1-1/4	3	0.060	std	VXMG5T-1616-R060	H6477	80.78
1/2	1/2	1	1-1/4	3	0.090	std	VXMG5T-1616-R090	H7265	80.78
1/2	1/2	1	1-1/4	3	0.120	std	VXMG5T-1616-R120	H7266	80.78
1/2	1/2	1-1/4		3	SQ	med	VXMG5T-1616-NRM	H6478	80.78
1/2	1/2	1-1/4		3	0.015	med	VXMG5T-1616-R015M	H6479	80.78
1/2	1/2	1-1/4		3	0.030	med	VXMG5T-1616-R030M	14544	80.78
1/2	1/2	1-1/4		3	0.060	med	VXMG5T-1616-R060M	H6480	80.78
1/2	1/2	1-5/8		4	SQ	med/long	VXMG5T-1616-NRML	H6765	102.96
1/2	1/2	1-5/8		4	0.030	med/long	VXMG5T-1616-R030ML	H2059	102.96
1/2	1/2	1-5/8		4	0.060	med/long	VXMG5T-1616-R060ML	H6766	102.96
1/2	1/2	2		4	SQ	long	VXMG5T-1616-NRL	H6767	102.98
1/2	1/2	2		4	0.015	long	VXMG5T-1616-R015L	H6768	102.98
1/2	1/2	2		4	0.030	long	VXMG5T-1616-R030L	H2060	102.98
1/2	1/2	2		4	0.060	stub	VXMG5T-1616-R060L	H6769	102.98
5/8	5/8	3/4		3	SQ	stub	VXMG5T-2020-NRS	H6481	133.43
5/8	5/8	3/4		3	0.030	stub	VXMG5T-2020-R030S	H6482	133.43
5/8	5/8	3/4		3	0.060	stub	VXMG5T-2020-R060S	H6483	133.43
5/8	5/8	3/4		3	0.090	stub	VXMG5T-2020-R090S	H6484	133.43
5/8	5/8	3/4	1-5/8	4	0.030	ext neck	VXMG5T-2020-R030N1	H6485	229.98
5/8	5/8	3/4	1-5/8	4	0.060	ext neck	VXMG5T-2020-R060N1	H6486	229.98
5/8	5/8	3/4	1-5/8	4	0.090	ext neck	VXMG5T-2020-R090N1	H6487	229.98

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SERIES: VXMG5T ✓ **Check Stock Online**

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DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
5/8	5/8	3/4	2-3/8	5	0.060	ext neck	VXMG5T-2020-R060N2	14710	229.98
5/8	5/8	3/4	no neck	6	0.060	no neck	VXMG5T-2020-R060NN	H6488	207.53
5/8	5/8	1-1/4	1-1/2	3-1/2	SQ	std	VXMG5T-2020-NR	H6489	140.78
5/8	5/8	1-1/4	1-1/2	3-1/2	0.015	std	VXMG5T-2020-R015	14545	149.78
5/8	5/8	1-1/4	1-1/2	3-1/2	0.030	std	VXMG5T-2020-R030	14241	140.78
5/8	5/8	1-1/4	1-1/2	3-1/2	0.060	std	VXMG5T-2020-R060	H6490	140.78
5/8	5/8	1-1/4	1-1/2	3-1/2	0.090	std	VXMG5T-2020-R090	H6491	140.78
5/8	5/8	1-1/4	1-1/2	3-1/2	0.120	std	VXMG5T-2020-R120	H7267	140.78
3/4	3/4	1		3	SQ	stub	VXMG5T-2424-NRS	H6492	197.34
3/4	3/4	1		3	0.030	stub	VXMG5T-2424-R030S	H6493	197.34
3/4	3/4	1		3	0.060	stub	VXMG5T-2424-R060S	H6494	197.34
3/4	3/4	1		3	0.090	stub	VXMG5T-2424-R090S	H6495	197.34
3/4	3/4	1		3	0.120	stub	VXMG5T-2424-R120S	H6496	197.34
3/4	3/4	1	2	4	0.030	ext neck	VXMG5T-2424-R030N1	H6497	269.28
3/4	3/4	1	2	4	0.060	ext neck	VXMG5T-2424-R060N1	H6498	269.28
3/4	3/4	1	2	4	0.090	ext neck	VXMG5T-2424-R090N1	H6499	269.28
3/4	3/4	1	2	4	0.120	ext neck	VXMG5T-2424-R120N1	H6500	269.28
3/4	3/4	1	2-3/4	5	0.120	ext neck	VXMG5T-2424-R120N4	11074	269.28
3/4	3/4	1	3-3/8	6	0.030	ext neck	VXMG5T-2424-R030N3	H6501	292.96
3/4	3/4	1	3-3/8	6	0.060	ext neck	VXMG5T-2424-R060N3	H6502	292.96
3/4	3/4	1	3-3/8	6	0.090	ext neck	VXMG5T-2424-R090N3	H6503	292.96
3/4	3/4	1	3-3/8	6	0.120	ext neck	VXMG5T-2424-R120N3	14711	292.96
3/4	3/4	1	no neck	6	0.030	no neck	VXMG5T-2424-R030NN	H6504	277.24
3/4	3/4	1	no neck	6	0.060	no neck	VXMG5T-2424-R060NN	H6505	277.24
3/4	3/4	1	no neck	6	0.090	no neck	VXMG5T-2424-R090NN	H6506	277.24
3/4	3/4	1	no neck	6	0.120	no neck	VXMG5T-2424-R120NN	H6507	277.24
3/4	3/4	1-1/2	1-3/4	4	SQ	std	VXMG5T-2424-NR	H6508	211.86
3/4	3/4	1-1/2	1-3/4	4	0.015	std	VXMG5T-2424-R015	H6509	211.86
3/4	3/4	1-1/2	1-3/4	4	0.030	std	VXMG5T-2424-R030	14191	211.86
3/4	3/4	1-1/2	1-3/4	4	0.060	std	VXMG5T-2424-R060	H6510	211.86
3/4	3/4	1-1/2	1-3/4	4	0.090	std	VXMG5T-2424-R090	H6511	211.86
3/4	3/4	1-1/2	1-3/4	4	0.120	std	VXMG5T-2424-R120	H6512	211.86
3/4	3/4	2-1/4		5	SQ	long	VXMG5T-2424-NRL	H6770	251.55
3/4	3/4	2-1/4		5	0.030	long	VXMG5T-2424-R030L	H2062	251.55
3/4	3/4	2-1/4		5	0.060	long	VXMG5T-2424-R060L	H6771	251.55
3/4	3/4	2-1/4		5	0.090	long	VXMG5T-2424-R090L	H6772	251.55
3/4	3/4	2-1/4		5	0.120	long	VXMG5T-2424-R120L	H6773	251.55
1	1	1-1/2	1-3/4	4	SQ	std	VXMG5T-3232-NR	H6513	323.94
1	1	1-1/2	1-3/4	4	0.030	std	VXMG5T-3232-R030	H6514	323.94
1	1	1-1/2	1-3/4	4	0.060	std	VXMG5T-3232-R060	H6515	323.94
1	1	1-1/2	1-3/4	4	0.090	std	VXMG5T-3232-R090	H6516	323.94
1	1	1-1/2	1-3/4	4	0.120	std	VXMG5T-3232-R120	H6517	323.94
1	1	1-1/2	1-3/4	4	0.250	std	VXMG5T-3232-R250	H7268	323.94
1	1	1-1/2	2-1/4	5	0.030	ext neck	VXMG5T-3232-R030N1	H6518	385.26
1	1	1-1/2	2-1/4	5	0.060	ext neck	VXMG5T-3232-R060N1	H6519	385.26
1	1	1-1/2	2-1/4	5	0.090	ext neck	VXMG5T-3232-R090N1	H6520	385.26
1	1	1-1/2	2-1/4	5	0.120	ext neck	VXMG5T-3232-R120N1	14712	385.26

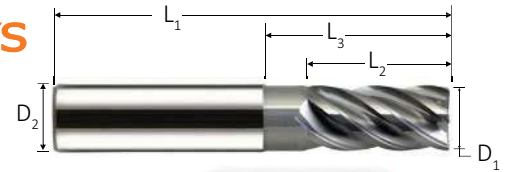
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TITANIUM ALLOYS & HIGH TEMP ALLOYS

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SERIES: VXMG5T

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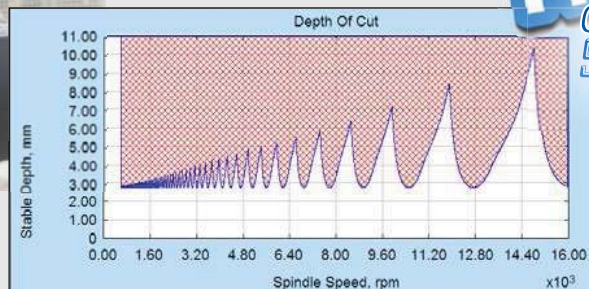


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1	1	1-1/2	3-3/8	6	0.030	ext neck	VXMG5T-3232-R030N3	H6521	461.91
1	1	1-1/2	3-3/8	6	0.060	ext neck	VXMG5T-3232-R060N3	H6522	461.91
1	1	1-1/2	3-3/8	6	0.090	ext neck	VXMG5T-3232-R090N3	H6523	461.91
1	1	1-1/2	3-3/8	6	0.120	ext neck	VXMG5T-3232-R120N3	H6524	461.91
1	1	1-1/2	no neck	6	0.030	no neck	VXMG5T-3232-R030NN	H6525	431.73
1	1	1-1/2	no neck	6	0.060	no neck	VXMG5T-3232-R060NN	H6526	431.73
1	1	1-1/2	no neck	6	0.090	no neck	VXMG5T-3232-R090NN	H6527	431.73
1	1	1-1/2	no neck	6	0.120	no neck	VXMG5T-3232-R120NN	H6528	431.73
1	1	2-1/4		5	SQ	long	VXMG5T-3232-NRL	H6774	366.01
1	1	2-1/4		5	0.030	long	VXMG5T-3232-R030L	H6775	366.01
1	1	2-1/4		5	0.060	long	VXMG5T-3232-R060L	H2063	366.01
1	1	2-1/4		5	0.090	long	VXMG5T-3232-R090L	H6776	366.01
1	1	2-1/4		5	0.120	long	VXMG5T-3232-R120L	H6777	366.01
1-1/4	1-1/4	2-1/4		5	0.030	std	VXMG5T-4040-R030	H7269	569.35
1-1/4	1-1/4	2-1/4		5	0.060	std	VXMG5T-4040-R060	H7270	569.35
1-1/4	1-1/4	2-1/4		5	0.120	std	VXMG5T-4040-R120	H7271	569.35

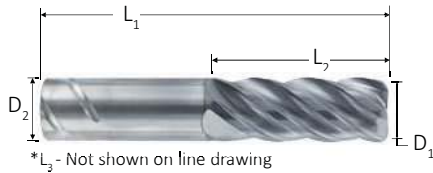
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- Geometry designed to reduce chatter, universal machining operations
- Unique titanium focused geometry and edge prep enables efficient cutting action
- Eccentric relief provides an exceptionally strong cutting edge
- Proprietary nACRo coating allows for higher SFM and is especially effective in extending tool life
- Excellent for heavy cuts, deep slotting and long axial depth profiling
- Haimer Safe Lock™ pull out protection on shank
- Stocked for immediate delivery

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SERIES: VXMGT-__-SL (SAFE LOCK SHANK)

DIA D ₁	SHK D ₂	LBS L ₃	LOC L ₂	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1/2	1/2		1	3	0.015	std	VXMGT-1616-R015-SL	H6887	101.67
1/2	1/2		1	3	0.030	std	VXMGT-1616-R030-SL	H6888	101.67
1/2	1/2		1	3	0.060	std	VXMGT-1616-R060-SL	H6889	101.67
1/2	1/2		2	4	0.015	long	VXMGT-1616-R015L-SL	H6890	126.31
1/2	1/2		2	4	0.030	long	VXMGT-1616-R030L-SL	H6891	126.31
1/2	1/2		2	4	0.060	long	VXMGT-1616-R060L-SL	H6892	126.31
5/8	5/8	1-1/2	1-1/4	3-1/2	0.030	std	VXMGT-2020-R030-SL	H6893	168.27
5/8	5/8	1-1/2	1-1/4	3-1/2	0.060	std	VXMGT-2020-R060-SL	H6894	168.26
5/8	5/8	1-1/2	1-1/4	3-1/2	0.090	std	VXMGT-2020-R090-SL	H6895	168.26
3/4	3/4	1-3/4	1-1/2	4	0.030	std	VXMGT-2424-R030-SL	H6896	247.16
3/4	3/4	1-3/4	1-1/2	4	0.060	std	VXMGT-2424-R060-SL	H6897	247.16
3/4	3/4	1-3/4	1-1/2	4	0.090	std	VXMGT-2424-R090-SL	H6898	247.16
3/4	3/4	1-3/4	1-1/2	4	0.120	std	VXMGT-2424-R120-SL	H6899	247.16
3/4	3/4		2-1/4	5	0.030	long	VXMGT-2424-R030L-SL	H6900	291.22
3/4	3/4		2-1/4	5	0.060	long	VXMGT-2424-R060L-SL	H6901	291.22
3/4	3/4		2-1/4	5	0.090	long	VXMGT-2424-R090L-SL	H6902	291.22
3/4	3/4		2-1/4	5	0.120	long	VXMGT-2424-R120L-SL	H6903	291.22
1	1		1-1/2	4	0.030	std	VXMGT-3232-R030-SL	H6904	371.57
1	1		1-1/2	4	0.060	std	VXMGT-3232-R060-SL	H6905	371.57
1	1		1-1/2	4	0.090	std	VXMGT-3232-R090-SL	H6906	371.57
1	1		1-1/2	4	0.120	std	VXMGT-3232-R120-SL	H6907	371.57
1	1		2-1/4	5	0.030	long	VXMGT-3232-R030L-SL	H6908	418.27
1	1		2-1/4	5	0.060	long	VXMGT-3232-R060L-SL	H6909	418.27
1	1		2-1/4	5	0.090	long	VXMGT-3232-R090L-SL	H6910	418.27
1	1		2-1/4	5	0.120	long	VXMGT-3232-R120L-SL	H6911	418.27

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This licensed system offers the pull out protection for your round shank tools!
The shanks have helical grooves ground into our shanks. Combined with the proper tool holding system, this technology prevents the tool from pulling out or spinning while undergoing extreme machining applications.

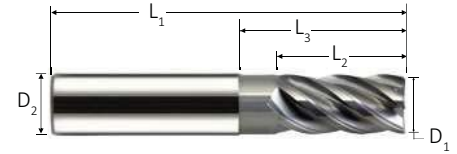
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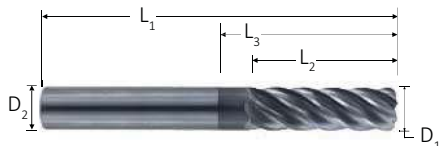


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- ▶ Excellent for heavy cuts, deep slotting and long axial depth profiling

▶ **SERIES: VXMGT-M_M_** ✓ **Check Stock Online**

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1.5mm	3mm	3mm		38mm	SQ	std	VXMGT-M3M1.5-NR	H6529	23.80
1.5mm	3mm	3mm		38mm	0.25mm	std	VXMGT-M3M1.5-R0.25	H6530	24.59
2mm	3mm	4mm		38mm	SQ	std	VXMGT-M3M2-NR	H6531	23.80
2mm	3mm	4mm		38mm	0.25mm	std	VXMGT-M3M2-R0.25	H6532	24.59
2.5mm	3mm	5mm		38mm	SQ	std	VXMGT-M3M2.5-NR	H6533	23.80
2.5mm	3mm	5mm		38mm	0.25mm	std	VXMGT-M3M2.5-R0.25	H6534	24.59
3mm	3mm	6mm		38mm	SQ	stub	VXMGT-M3M3-NRS	H6535	19.24
3mm	3mm	6mm		38mm	0.25mm	stub	VXMGT-M3M3-R0.25S	H6536	19.90
3mm	3mm	12mm		38mm	SQ	std	VXMGT-M3M3-NR	H6537	20.54
3mm	3mm	12mm		38mm	0.25mm	std	VXMGT-M3M3-R0.25	H6538	21.20
4mm	4mm	14mm	20mm	51mm	SQ	std	VXMGT-M4M4-NR	H6539	24.65
4mm	4mm	14mm	20mm	51mm	0.25mm	std	VXMGT-M4M4-R0.25	H6540	24.65
4mm	4mm	14mm	20mm	51mm	0.5mm	std	VXMGT-M4M4-R0.5	H6541	24.65
5mm	5mm	16mm	22mm	51mm	0.25mm	std	VXMGT-M5M5-R0.25	H6542	28.35
5mm	5mm	16mm	22mm	51mm	0.5mm	std	VXMGT-M5M5-R0.5	H6543	28.35
6mm	6mm	20mm	26mm	63mm	0.5mm	std	VXMGT-M6M6-R0.5	H6544	35.30
6mm	6mm	20mm	26mm	63mm	1.0mm	std	VXMGT-M6M6-R1.0	H6545	35.30
6mm	6mm	20mm	no neck	100mm	0.5mm	no neck	VXMGT-M6M6-NN	H6546	50.22
8mm	8mm	20mm	26mm	63mm	0.5mm	std	VXMGT-M8M8-R0.5	H6547	43.85
8mm	8mm	20mm	26mm	63mm	1.0mm	std	VXMGT-M8M8-R1.0	H6548	43.85
8mm	8mm	20mm	no neck	100mm	0.5mm	no neck	VXMGT-M8M8-NN	H6549	60.28
10mm	10mm	24mm	30mm	70mm	0.5mm	std	VXMGT-M10M10-R0.5	H6550	59.63
10mm	10mm	24mm	30mm	70mm	1.0mm	std	VXMGT-M10M10-R1.0	H6551	59.63
10mm	10mm	24mm	no neck	100mm	0.5mm	no neck	VXMGT-M10M10-NN	H6552	70.11
12mm	12mm	25mm	31mm	76mm	0.5mm	std	VXMGT-M12M12-R0.5	H6553	82.27
12mm	12mm	25mm	31mm	76mm	1.0mm	std	VXMGT-M12M12-R1.0	H6554	82.27
12mm	12mm	25mm	31mm	76mm	2.0mm	std	VXMGT-M12M12-R2.0	H6555	82.27
12mm	12mm	25mm	no neck	100mm	0.5mm	no neck	VXMGT-M12M12-NN	H6556	104.41
14mm	14mm	32mm	38mm	89mm	0.5mm	std	VXMGT-M14M14-R0.5	H6557	137.13
14mm	14mm	32mm	38mm	89mm	1.0mm	std	VXMGT-M14M14-R1.0	H6558	137.13
14mm	14mm	32mm	38mm	89mm	2.0mm	std	VXMGT-M14M14-R2.0	H6559	137.13
16mm	16mm	32mm	38mm	89mm	0.5mm	std	VXMGT-M16M16-R0.5	H6560	148.29
16mm	16mm	32mm	38mm	89mm	1.0mm	std	VXMGT-M16M16-R1.0	H6561	148.29
16mm	16mm	32mm	38mm	89mm	2.0mm	std	VXMGT-M16M16-R2.0	H6562	148.29
16mm	16mm	32mm	no neck	100mm	0.5mm	no neck	VXMGT-M16M16-NN	H6563	184.83
18mm	18mm	36mm	42mm	100mm	0.5mm	std	VXMGT-M18M18-R0.5	H6564	217.16
18mm	18mm	36mm	42mm	100mm	1.0mm	std	VXMGT-M18M18-R1.0	H6565	217.16
18mm	18mm	36mm	42mm	100mm	2.0mm	std	VXMGT-M18M18-R2.0	H6566	217.16
20mm	20mm	36mm	42mm	100mm	1.0mm	std	VXMGT-M20M20-R1.0	H6567	250.83
20mm	20mm	36mm	42mm	100mm	2.0mm	std	VXMGT-M20M20-R2.0	H6568	250.83
25mm	25mm	36mm	42mm	100mm	1.0mm	std	VXMGT-M25M25-R1.0	H6569	348.77
25mm	25mm	36mm	42mm	100mm	2.0mm	std	VXMGT-M25M25-R2.0	H6570	348.77

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TITANIUM ALLOYS & HIGH TEMP ALLOYS

6 FLUTE • VARIABLE FL- ROUGHING & FINISHING APPLICATIONS

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- Geometry designed to reduce chatter; universal machining operations
- Unique titanium focused geometry and edge prep enables efficient cutting action
- Eccentric relief provides an exceptionally strong cutting edge
- Proprietary nACRo coating allows for higher SFM and is especially effective in extending tool life
- Excellent for roughing & finishing applications

SERIES: VXMG6T ✓ [Check Stock Online](#)

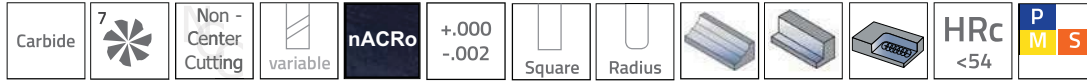
DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
3/8	3/8	1		3	SQ	std	VXMG6T-1212-NR	H7191	50.20
3/8	3/8	1		3	0.015	std	VXMG6T-1212-R015	H7192	50.20
3/8	3/8	1		3	0.030	std	VXMG6T-1212-R030	H7196	50.20
3/8	3/8	1		3	0.060	std	VXMG6T-1212-R060	H7193	50.20
3/8	3/8	1	1-7/8	4	0.015	ext neck	VXMG6T-1212-R015N1	H7194	63.83
3/8	3/8	1	1-7/8	4	0.030	ext neck	VXMG6T-1212-R030N1	H7195	63.83
1/2	1/2	1-1/4		3	SQ	std	VXMG6T-1616-NR	H7201	80.78
1/2	1/2	1-1/4		3	0.015	std	VXMG6T-1616-R015	H7197	80.78
1/2	1/2	1-1/4		3	0.030	std	VXMG6T-1616-R030	H7198	80.78
1/2	1/2	1-1/4		3	0.060	std	VXMG6T-1616-R060	H7199	80.78
1/2	1/2	1-1/4		3	0.120	std	VXMG6T-1616-R120	H7200	80.78
1/2	1/2	1-1/4	2-1/4	4	0.030	ext neck	VXMG6T-1616-R030N1	H7202	134.18
1/2	1/2	1-1/4	2-1/4	4	0.060	ext neck	VXMG6T-1616-R060N1	H7203	134.18
5/8	5/8	1-1/4		3-1/2	SQ	std	VXMG6T-2020-NR	H7206	140.78
5/8	5/8	1-1/4		3-1/2	0.030	std	VXMG6T-2020-R030	H7204	140.78
5/8	5/8	1-1/4		3-1/2	0.060	std	VXMG6T-2020-R060	H7205	140.78
5/8	5/8	1-1/4	2-1/4	4	0.030	ext neck	VXMG6T-2020-R030N1	H7207	229.98
5/8	5/8	1-1/4	2-1/4	4	0.060	ext neck	VXMG6T-2020-R060N1	H7208	229.98
3/4	3/4	1-5/8		4	SQ	std	VXMG6T-2424-NR	H7209	211.86
3/4	3/4	1-5/8		4	0.030	std	VXMG6T-2424-R030	H7210	211.86
3/4	3/4	1-5/8		4	0.060	std	VXMG6T-2424-R060	H7215	211.86
3/4	3/4	1-5/8		4	0.090	std	VXMG6T-2424-R090	H7211	211.86
3/4	3/4	1-5/8		4	0.120	std	VXMG6T-2424-R120	H7212	211.86
3/4	3/4	1-5/8	3	5	0.030	ext neck	VXMG6T-2424-R030N1	H7213	269.28
3/4	3/4	1-5/8	3	5	0.060	ext neck	VXMG6T-2424-R060N1	H7214	269.28
1	1	1-3/4		4-1/2	SQ	std	VXMG6T-3232-NR	H7220	333.75
1	1	1-3/4		4-1/2	0.030	std	VXMG6T-3232-R030	H7216	333.75
1	1	1-3/4		4-1/2	0.060	std	VXMG6T-3232-R060	H7217	333.75
1	1	1-3/4		4-1/2	0.120	std	VXMG6T-3232-R120	H7218	333.75
1	1	1-3/4		4-1/2	0.250	std	VXMG6T-3232-R250	H7219	333.75
1	1	1-3/4	3-1/4	5-1/2	0.030	ext neck	VXMG6T-3232-R030N1	H7221	375.90
1	1	1-3/4	3-1/4	5-1/2	0.060	ext neck	VXMG6T-3232-R060N1	H7222	375.90
1-1/4	1-1/4	2-1/4		5	SQ	std	VXMG6T-4040-NR	H7225	569.35
1-1/4	1-1/4	2-1/4		5	0.030	std	VXMG6T-4040-R030	H7223	569.35
1-1/4	1-1/4	2-1/4		5	0.120	std	VXMG6T-4040-R120	H7224	569.35

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TITANIUM ALLOYS & HIGH TEMP ALLOYS

7 FLUTE • VARIABLE FL - LIGHT TO MEDIUM FINISHING APPLICATIONS



- Geometry designed to reduce chatter, utilizing maximum metal removal rates
- Unique titanium focused geometry and edge prep enables efficient cutting action
- Additional flutes provide over 40% higher metal removal rates over 4 & 5 flute tools
- Extreme metal removal rates delivered at full flute length & 15% x D radial depth
- Excellent for high feed machining processes

SERIES: VXM7-__-NACRO ✓ Check Stock Online

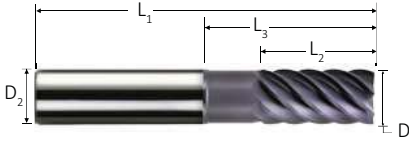
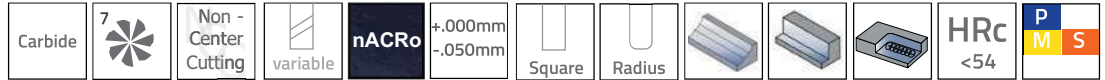
DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
1/8	1/8	3/16		1-1/2	SQ	stub	VXM7-404-NRS-NACRO	H6614	20.98
1/8	1/8	3/16		1-1/2	0.010	stub	VXM7-404-R010S-NACRO	H6615	20.98
1/8	1/8	3/8		1-1/2	SQ	std	VXM7-404-NR-NACRO	H6616	22.40
1/8	1/8	3/8		1-1/2	0.010	std	VXM7-404-R010-NACRO	H6617	22.40
3/16	3/16	9/32		1-1/2	SQ	stub	VXM7-606-NRS-NACRO	34720	24.22
3/16	3/16	9/32		1-1/2	0.010	stub	VXM7-606-R010S-NACRO	H6618	24.22
3/16	3/16	9/16		2	SQ	std	VXM7-606-NR-NACRO	H6619	27.02
3/16	3/16	9/16		2	0.010	std	VXM7-606-R010-NACRO	H6620	27.02
1/4	1/4	3/8		2	SQ	stub	VXM7-808-NRS-NACRO	32241	30.19
1/4	1/4	3/8		2	0.015	stub	VXM7-808-R015S-NACRO	32242	30.19
1/4	1/4	3/8	2-1/8	4	0.015	ext neck	VXM7-808-R015N3-NACRO	32246	56.76
1/4	1/4	3/8	no neck	4	0.015	no neck	VXM7-808-R015NN-NACRO	32247	45.35
1/4	1/4	3/4	1	2-1/2	SQ	std	VXM7-808-NR-NACRO	32244	35.20
1/4	1/4	3/4	1	2-1/2	0.015	std	VXM7-808-R015-NACRO	32245	35.20
3/8	3/8	1/2		2	SQ	stub	VXM7-1212-NRS-NACRO	32248	51.58
3/8	3/8	1/2		2	0.015	stub	VXM7-1212-R015S-NACRO	32249	51.58
3/8	3/8	1/2	1-1/8	3	0.015	ext neck	VXM7-1212-R015N1-NACRO	32252	69.64
3/8	3/8	1/2	2-1/8	4	0.015	ext neck	VXM7-1212-R015N2-NACRO	32253	80.05
3/8	3/8	1		2-1/2	SQ	std	VXM7-1212-NR-NACRO	32250	54.77
3/8	3/8	1		2-1/2	0.015	std	VXM7-1212-R015-NACRO	32251	54.77
1/2	1/2	5/8		2-1/2	SQ	stub	VXM7-1616-NRS-NACRO	32254	80.28
1/2	1/2	5/8		2-1/2	0.015	stub	VXM7-1616-R015S-NACRO	32255	80.28
1/2	1/2	5/8	1-1/2	4	0.015	ext neck	VXM7-1616-R015N1-NACRO	32260	146.38
1/2	1/2	5/8	2-1/4	4	0.015	ext neck	VXM7-1616-R015N2-NACRO	32261	146.38
1/2	1/2	1	1-1/4	3	SQ	std	VXM7-1616-NR-NACRO	32256	88.13
1/2	1/2	1	1-1/4	3	0.015	std	VXM7-1616-R015-NACRO	31805	88.13
1/2	1/2	1	1-1/4	3	0.030	std	VXM7-1616-R030-NACRO	31797	88.13
1/2	1/2	1-1/4		3	SQ	med	VXM7-1616-NRM-NACRO	32257	88.13
1/2	1/2	1-1/4		3	0.015	med	VXM7-1616-R015M-NACRO	32258	88.13
1/2	1/2	1-1/4		3	0.030	med	VXM7-1616-R030M-NACRO	32259	88.13
5/8	5/8	3/4		3	SQ	stub	VXM7-2020-NRS-NACRO	32262	145.56
5/8	5/8	3/4		3	0.030	stub	VXM7-2020-R030S-NACRO	32263	145.56
5/8	5/8	3/4	1-5/8	5	0.030	ext neck	VXM7-2020-R030N1-NACRO	32267	250.88
5/8	5/8	1-1/4	1-1/2	3-1/2	SQ	std	VXM7-2020-NR-NACRO	32264	153.58
5/8	5/8	1-1/4	1-1/2	3-1/2	0.030	std	VXM7-2020-R030-NACRO	32265	153.58
3/4	3/4	7/8		3	SQ	stub	VXM7-2424-NRS-NACRO	32269	215.28
3/4	3/4	7/8		3	0.030	stub	VXM7-2424-R030S-NACRO	32271	215.28
3/4	3/4	7/8	2	5	0.030	ext neck	VXM7-2424-R030N1-NACRO	32277	293.76
3/4	3/4	1-1/2	1-3/4	4	SQ	std	VXM7-2424-NR-NACRO	32273	231.12
3/4	3/4	1-1/2	1-3/4	4	0.030	std	VXM7-2424-R030-NACRO	32275	231.12
1	1	1-1/2	1-3/4	4	SQ	std	VXM7-3232-NR-NACRO	32283	353.39
1	1	1-1/2	1-3/4	4	0.030	std	VXM7-3232-R030-NACRO	32287	353.39

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TITANIUM ALLOYS & HIGH TEMP ALLOYS

7 FLUTE • VARIABLE FL - LIGHT TO MEDIUM FINISHING APPLICATIONS

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- ▶ Geometry designed to reduce chatter, utilizing maximum metal removal rates
- ▶ Unique titanium focused geometry and edge prep enables efficient cutting action
- ▶ Additional flutes provide over 40% higher metal removal rates over 4 & 5 flute tools
- ▶ Extreme metal removal rates delivered at full flute length & 15% x D radial depth
- ▶ Excellent for high feed machining processes



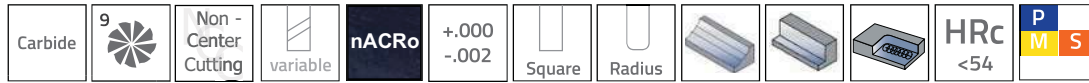
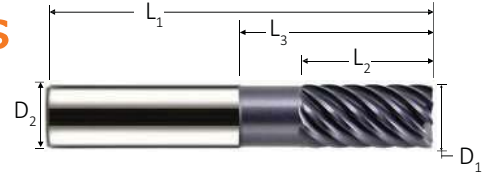
SERIES: VXMg7-M_M_-NACRO [✓ Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
3mm	3mm	6mm		38mm	SQ	stub	VXMg7-M3M3-NRS-NACRO	H6621	20.99
3mm	3mm	6mm		38mm	0.25mm	stub	VXMg7-M3M3-R0.25S-NACRO	H6622	21.71
3mm	3mm	12mm		38mm	SQ	std	VXMg7-M3M3-NR-NACRO	H6623	22.40
3mm	3mm	12mm		38mm	0.25mm	std	VXMg7-M3M3-R0.25-NACRO	H6624	23.12
4mm	4mm	12mm		51mm	SQ	std	VXMg7-M4M4-NR-NACRO	H6625	26.89
4mm	4mm	12mm		51mm	0.25mm	std	VXMg7-M4M4-R0.25-NACRO	H6626	26.89
6mm	6mm	20mm	26mm	63mm	SQ	std	VXMg7-M6M6-NR-NACRO	35169	38.51
6mm	6mm	20mm	26mm	63mm	0.5mm	std	VXMg7-M6M6-R0.5-NACRO	35120	38.51
6mm	6mm	20mm	no neck	100mm	0.5mm	no neck	VXMg7-M6M6-NN-NACRO	35121	54.78
8mm	8mm	20mm	26mm	63mm	SQ	std	VXMg7-M8M8-NR-NACRO	35171	47.83
8mm	8mm	20mm	26mm	63mm	0.5mm	std	VXMg7-M8M8-R0.5-NACRO	35122	47.83
8mm	8mm	20mm	26mm	63mm	1.0mm	std	VXMg7-M8M8-R1.0-NACRO	H6627	47.83
8mm	8mm	20mm	no neck	100mm	0.5mm	no neck	VXMg7-M8M8-NN-NACRO	35123	65.76
10mm	10mm	24mm	30mm	70mm	SQ	std	VXMg7-M10M10-NR-NACRO	35173	65.05
10mm	10mm	24mm	30mm	70mm	0.5mm	std	VXMg7-M10M10-R0.5-NACRO	35124	65.05
10mm	10mm	24mm	30mm	70mm	1.0mm	std	VXMg7-M10M10-R1.0-NACRO	H6628	65.05
10mm	10mm	24mm	30mm	70mm	2.0mm	std	VXMg7-M10M10-R2.0-NACRO	H6659	65.05
10mm	10mm	24mm	no neck	100mm	0.5mm	no neck	VXMg7-M10M10-NN-NACRO	35125	76.49
12mm	12mm	25mm	31mm	76mm	SQ	std	VXMg7-M12M12-NR-NACRO	35175	89.75
12mm	12mm	25mm	31mm	76mm	0.5mm	std	VXMg7-M12M12-R0.5-NACRO	35126	89.75
12mm	12mm	25mm	31mm	76mm	1.0mm	std	VXMg7-M12M12-R1.0-NACRO	35605	89.75
12mm	12mm	25mm	31mm	76mm	2.0mm	std	VXMg7-M12M12-R2.0-NACRO	H6629	89.75
12mm	12mm	25mm	no neck	100mm	0.5mm	no neck	VXMg7-M12M12-NN-NACRO	35127	113.90
14mm	14mm	32mm	38mm	89mm	SQ	std	VXMg7-M14M14-NR-NACRO	35177	149.59
14mm	14mm	32mm	38mm	89mm	0.5mm	std	VXMg7-M14M14-R0.5-NACRO	35128	149.59
14mm	14mm	32mm	38mm	89mm	1.0mm	std	VXMg7-M14M14-R1.0-NACRO	H6630	149.59
16mm	16mm	32mm	38mm	89mm	SQ	std	VXMg7-M16M16-NR-NACRO	35179	161.77
16mm	16mm	32mm	38mm	89mm	0.5mm	std	VXMg7-M16M16-R0.5-NACRO	35129	161.77
16mm	16mm	32mm	38mm	89mm	1.0mm	std	VXMg7-M16M16-R1.0-NACRO	H6631	161.77
16mm	16mm	32mm	38mm	89mm	2.0mm	std	VXMg7-M16M16-R2.0-NACRO	H6632	161.77
16mm	16mm	32mm	no neck	100mm	0.5mm	no neck	VXMg7-M16M16-NN-NACRO	35130	201.64
18mm	18mm	36mm	42mm	100mm	SQ	std	VXMg7-M18M18-NR-NACRO	35181	236.90
18mm	18mm	36mm	42mm	100mm	0.5mm	std	VXMg7-M18M18-R0.5-NACRO	35131	236.90
18mm	18mm	36mm	42mm	100mm	1.0mm	std	VXMg7-M18M18-R1.0-NACRO	H6633	236.90
20mm	20mm	36mm	42mm	100mm	SQ	std	VXMg7-M20M20-NR-NACRO	35183	273.64
20mm	20mm	36mm	42mm	100mm	0.5mm	std	VXMg7-M20M20-R0.5-NACRO	H6634	273.64
20mm	20mm	36mm	42mm	100mm	1.0mm	std	VXMg7-M20M20-R1.0-NACRO	35132	273.64
20mm	20mm	36mm	42mm	100mm	2.0mm	std	VXMg7-M20M20-R2.0-NACRO	H6635	273.64
20mm	20mm	36mm	42mm	100mm	3.0mm	std	VXMg7-M20M20-R3.0-NACRO	H6636	273.64
25mm	25mm	36mm	42mm	100mm	SQ	std	VXMg7-M25M25-NR-NACRO	35185	380.47
25mm	25mm	36mm	42mm	100mm	0.5mm	std	VXMg7-M25M25-R0.5-NACRO	H6637	380.47
25mm	25mm	36mm	42mm	100mm	1.0mm	std	VXMg7-M25M25-R1.0-NACRO	35133	380.47
25mm	25mm	36mm	42mm	100mm	3.0mm	std	VXMg7-M25M25-R3.0-NACRO	H6638	380.47

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TITANIUM ALLOYS & HIGH TEMP ALLOYS

9 FLUTE • VARIABLE FL - FINE-FINISHING APPLICATIONS



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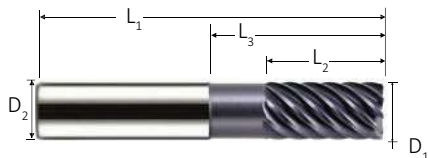


- Designed to deliver outstanding surface finishes, utilizing maximum metal removal rates
- Unique titanium focused geometry and edge prep enables efficient cutting action
- Extreme metal removal rates delivered at full flute length & 5% x D radial depth
- Proprietary nACRo coating allows for higher SFM and is especially effective in extending tool life
- Ideal for finishing tight tolerance walls

SERIES: VXMg9-__-NACRO ✓ [Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
3/16	3/16	9/32		1-1/2	SQ	stub	VXMg9-606-NRS-NACRO	H6639	26.24
3/16	3/16	9/32		1-1/2	0.010	stub	VXMg9-606-R010S-NACRO	H6640	26.24
3/16	3/16	9/16		2	SQ	std	VXMg9-606-NR-NACRO	H6641	29.28
3/16	3/16	9/16		2	0.010	std	VXMg9-606-R010-NACRO	H6642	29.29
1/4	1/4	3/8		2	SQ	stub	VXMg9-808-NRS-NACRO	32288	32.71
1/4	1/4	3/8		2	0.015	stub	VXMg9-808-R015S-NACRO	32289	32.71
1/4	1/4	3/8	2-1/8	4	0.015	ext neck	VXMg9-808-R015N3-NACRO	32302	61.49
1/4	1/4	3/8	no neck	4	0.015	no neck	VXMg9-808-R015NN-NACRO	32303	49.13
1/4	1/4	3/4	1	2-1/2	SQ	std	VXMg9-808-NR-NACRO	32290	38.13
1/4	1/4	3/4	1	2-1/2	0.015	std	VXMg9-808-R015-NACRO	32291	38.13
3/8	3/8	1/2		2	SQ	stub	VXMg9-1212-NRS-NACRO	32304	55.87
3/8	3/8	1/2		2	0.015	stub	VXMg9-1212-R015S-NACRO	32305	55.87
3/8	3/8	1/2	1-1/8	3	0.015	ext neck	VXMg9-1212-R015N1-NACRO	32317	75.44
3/8	3/8	1/2	2-1/8	4	0.015	ext neck	VXMg9-1212-R015N2-NACRO	32325	86.72
3/8	3/8	1		2-1/2	SQ	std	VXMg9-1212-NR-NACRO	32315	59.33
3/8	3/8	1		2-1/2	0.015	std	VXMg9-1212-R015-NACRO	32316	59.33
1/2	1/2	5/8		2-1/2	SQ	stub	VXMg9-1616-NRS-NACRO	32327	86.97
1/2	1/2	5/8		2-1/2	0.015	stub	VXMg9-1616-R015S-NACRO	32328	86.97
1/2	1/2	5/8	1-1/2	4	0.015	ext neck	VXMg9-1616-R015N1-NACRO	32377	158.57
1/2	1/2	5/8	2-1/4	4	0.015	ext neck	VXMg9-1616-R015N2-NACRO	32405	158.57
1/2	1/2	1	1-1/4	3	SQ	std	VXMg9-1616-NR-NACRO	32329	95.47
1/2	1/2	1	1-1/4	3	0.015	std	VXMg9-1616-R015-NACRO	31801	95.47
1/2	1/2	1	1-1/4	3	0.030	std	VXMg9-1616-R030-NACRO	31799	95.47
1/2	1/2	1-1/4		3	SQ	med	VXMg9-1616-NRM-NACRO	32330	95.47
1/2	1/2	1-1/4		3	0.015	med	VXMg9-1616-R015M-NACRO	32373	95.47
1/2	1/2	1-1/4		3	0.030	med	VXMg9-1616-R030M-NACRO	32376	95.47
5/8	5/8	3/4		3	SQ	stub	VXMg9-2020-NRS-NACRO	32406	157.69
5/8	5/8	3/4		3	0.030	stub	VXMg9-2020-R030S-NACRO	32407	157.69
5/8	5/8	3/4	1-5/8	5	0.030	ext neck	VXMg9-2020-R030N1-NACRO	32410	271.79
5/8	5/8	1-1/4	1-1/2	3-1/2	SQ	std	VXMg9-2020-NR-NACRO	32408	166.37
5/8	5/8	1-1/4	1-1/2	3-1/2	0.030	std	VXMg9-2020-R030-NACRO	32409	166.37
3/4	3/4	7/8		3	SQ	stub	VXMg9-2424-NRS-NACRO	32411	233.22
3/4	3/4	7/8		3	0.030	stub	VXMg9-2424-R030S-NACRO	32412	233.22
3/4	3/4	7/8	2	5	0.030	ext neck	VXMg9-2424-R030N1-NACRO	32415	318.24
3/4	3/4	1-1/2	1-3/4	4	SQ	std	VXMg9-2424-NR-NACRO	32413	250.38
3/4	3/4	1-1/2	1-3/4	4	0.030	std	VXMg9-2424-R030-NACRO	32414	250.38
1	1	1-1/2	1-3/4	4	SQ	std	VXMg9-3232-NR-NACRO	32416	382.84
1	1	1-1/2	1-3/4	4	0.030	std	VXMg9-3232-R030-NACRO	32417	382.84

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TITANIUM ALLOYS & HIGH TEMP ALLOYS

9 FLUTE • VARIABLE FL - FINE-FINISHING APPLICATIONS

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- Designed to deliver outstanding surface finishes, utilizing maximum metal removal rates
- Unique titanium focused geometry and edge prep enables efficient cutting action
- Extreme metal removal rates delivered at full flute length & 5% x D radial depth
- Proprietary nACRo coating allows for higher SFM and is especially effective in extending tool life
- Ideal for finishing tight tolerance walls



SERIES: VXM9-M_M_-NACRO [✓ Check Stock Online](#)

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACRo EDP	nACRo Price
4mm	4mm	12mm		51mm	SQ	std	VXM9-M4M4-NR-NACRO	H6643	29.14
4mm	4mm	12mm		51mm	0.25mm	std	VXM9-M4M4-R0.25-NACRO	H6644	29.14
6mm	6mm	20mm	26mm	63mm	SQ	std	VXM9-M6M6-NR-NACRO	35151	41.72
6mm	6mm	20mm	26mm	63mm	0.5mm	std	VXM9-M6M6-R0.5-NACRO	35134	41.72
6mm	6mm	20mm	no neck	100mm	0.5mm	no neck	VXM9-M6M6-NN-NACRO	35135	59.35
8mm	8mm	20mm	26mm	63mm	SQ	std	VXM9-M8M8-NR-NACRO	35153	51.82
8mm	8mm	20mm	26mm	63mm	0.5mm	std	VXM9-M8M8-R0.5-NACRO	35136	51.82
8mm	8mm	20mm	26mm	63mm	1.0mm	std	VXM9-M8M8-R1.0-NACRO	H6645	51.82
8mm	8mm	20mm	no neck	100mm	0.5mm	no neck	VXM9-M8M8-NN-NACRO	35137	71.24
10mm	10mm	24mm	30mm	70mm	SQ	std	VXM9-M10M10-NR-NACRO	35155	70.47
10mm	10mm	24mm	30mm	70mm	0.5mm	std	VXM9-M10M10-R0.5-NACRO	35138	70.47
10mm	10mm	24mm	30mm	70mm	1.0mm	std	VXM9-M10M10-R1.0-NACRO	H6646	70.47
10mm	10mm	24mm	no neck	100mm	0.5mm	no neck	VXM9-M10M10-NN-NACRO	35139	82.86
12mm	12mm	25mm	31mm	76mm	SQ	std	VXM9-M12M12-NR-NACRO	35157	97.23
12mm	12mm	25mm	31mm	76mm	0.5mm	std	VXM9-M12M12-R0.5-NACRO	35140	97.23
12mm	12mm	25mm	31mm	76mm	1.0mm	std	VXM9-M12M12-R1.0-NACRO	H6647	97.23
12mm	12mm	25mm	31mm	76mm	2.0mm	std	VXM9-M12M12-R2.0-NACRO	H6648	97.23
12mm	12mm	25mm	no neck	100mm	0.5mm	no neck	VXM9-M12M12-NN-NACRO	35141	123.40
14mm	14mm	32mm	38mm	89mm	SQ	std	VXM9-M14M14-NR-NACRO	35159	162.06
14mm	14mm	32mm	38mm	89mm	0.5mm	std	VXM9-M14M14-R0.5-NACRO	35142	162.06
14mm	14mm	32mm	38mm	89mm	1.0mm	std	VXM9-M14M14-R1.0-NACRO	H6649	162.06
16mm	16mm	32mm	38mm	89mm	SQ	std	VXM9-M16M16-NR-NACRO	35161	175.25
16mm	16mm	32mm	38mm	89mm	0.5mm	std	VXM9-M16M16-R0.5-NACRO	35143	175.25
16mm	16mm	32mm	38mm	89mm	1.0mm	std	VXM9-M16M16-R1.0-NACRO	H6650	175.25
16mm	16mm	32mm	38mm	89mm	2.0mm	std	VXM9-M16M16-R2.0-NACRO	H6651	175.25
16mm	16mm	32mm	no neck	100mm	0.5mm	no neck	VXM9-M16M16-NN-NACRO	35144	218.44
18mm	18mm	36mm	42mm	100mm	SQ	std	VXM9-M18M18-NR-NACRO	35163	256.65
18mm	18mm	36mm	42mm	100mm	0.5mm	std	VXM9-M18M18-R0.5-NACRO	35145	256.65
18mm	18mm	36mm	42mm	100mm	1.0mm	std	VXM9-M18M18-R1.0-NACRO	H6652	256.65
20mm	20mm	36mm	42mm	100mm	SQ	std	VXM9-M20M20-NR-NACRO	35165	296.44
20mm	20mm	36mm	42mm	100mm	0.5mm	std	VXM9-M20M20-R0.5-NACRO	H6653	296.44
20mm	20mm	36mm	42mm	100mm	1.0mm	std	VXM9-M20M20-R1.0-NACRO	35147	296.44
20mm	20mm	36mm	42mm	100mm	2.0mm	std	VXM9-M20M20-R2.0-NACRO	H6654	296.44
20mm	20mm	36mm	42mm	100mm	3.0mm	std	VXM9-M20M20-R3.0-NACRO	H6655	296.44
25mm	25mm	36mm	42mm	100mm	SQ	std	VXM9-M25M25-NR-NACRO	35167	412.18
25mm	25mm	36mm	42mm	100mm	0.5mm	std	VXM9-M25M25-R0.5-NACRO	H6656	412.18
25mm	25mm	36mm	42mm	100mm	1.0mm	std	VXM9-M25M25-R1.0-NACRO	35149	412.18
25mm	25mm	36mm	42mm	100mm	3.0mm	std	VXM9-M25M25-R3.0-NACRO	H6657	412.18

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10 FLUTE • VARIABLE FL - ULTRA FINE-FINISHING APPLICATION



- Designed to deliver best possible surface finish, at highest metal removal rates
- Proprietary nACo coating provides extended tool life over conventional coatings
- Ideal for finishing tight tolerance walls
- Excellent for high feed machining processes

SERIES: VXMGI0

DIA D ₁	SHK D ₂	LOC L ₂	LBS L ₃	OAL L ₁	CORNER	LENGTH	PART NAME	nACo EDP
3/16	3/16	9/32	-	1-1/2	0.000	stub	VXMGI0-606-NRS	HHHHH
3/16	3/16	9/32	-	1-1/2	0.010	stub	VXMGI0-606-R010S	HHHHH
3/16	3/16	9/16	-	2	0.000	std	VXMGI0-606-NR	HHHHH
3/16	3/16	9/16	-	2	0.010	std	VXMGI0-606-R010	HHHHH
1/4	1/4	3/8	-	2	0.000	stub	VXMGI0-808-NRS	HHHHH
1/4	1/4	3/8	-	2	0.015	stub	VXMGI0-808-R015S	HHHHH
1/4	1/4	3/8	2-1/8	4	0.015	ext neck	VXMGI0-808-R015N3	HHHHH
1/4	1/4	3/8	no neck	4	0.015	no neck	VXMGI0-808-R015NN	HHHHH
1/4	1/4	3/4	-	2-1/2	0.000	std	VXMGI0-808-NR	HHHHH
1/4	1/4	3/4	-	2-1/2	0.015	std	VXMGI0-808-R015	HHHHH
3/8	3/8	1/2	-	2	0.000	stub	VXMGI0-1212-NRS	HHHHH
3/8	3/8	1/2	-	2	0.015	stub	VXMGI0-1212-R015S	HHHHH
3/8	3/8	1/2	1-1/8	3	0.015	ext neck	VXMGI0-1212-R015N1	HHHHH
3/8	3/8	1/2	2-1/8	4	0.015	ext neck	VXMGI0-1212-R015N2	HHHHH
3/8	3/8	1	-	2-1/2	0.000	std	VXMGI0-1212-NR	HHHHH
3/8	3/8	1	-	2-1/2	0.015	std	VXMGI0-1212-R015	HHHHH
1/2	1/2	5/8	-	2-1/2	0.000	stub	VXMGI0-1616-NRS	HHHHH
1/2	1/2	5/8	-	2-1/2	0.015	stub	VXMGI0-1616-R015S	HHHHH
1/2	1/2	5/8	1-1/2	4	0.015	ext neck	VXMGI0-1616-R015N1	HHHHH
1/2	1/2	5/8	2-1/4	4	0.015	ext neck	VXMGI0-1616-R015N2	HHHHH
1/2	1/2	1	1-1/4	3	0.000	std	VXMGI0-1616-NR	HHHHH
1/2	1/2	1	1-1/4	3	0.015	std	VXMGI0-1616-R015	HHHHH
1/2	1/2	1	1-1/4	3	0.030	std	VXMGI0-1616-R030	HHHHH
1/2	1/2	1-1/4	-	3	0.000	med	VXMGI0-1616-NRM	HHHHH
1/2	1/2	1-1/4	-	3	0.015	med	VXMGI0-1616-R015M	HHHHH
1/2	1/2	1-1/4	-	3	0.030	med	VXMGI0-1616-R030M	HHHHH

10+ FLUTE ■ VARIABLE FLUTE SQUARE & RADIUS

Special end mills with 10 or more flutes are available with specific geometries. These best suited for particular workpiece material and machining operations.

Contact Customer Service Today with your Requests!

PHONE: 1-800-521-1078 or 216-362-4200

FAX: 1-800-521-1558 or 216-362-4230

Less is More

**Less Vibration,
Less Machining Time,
More Productivity!**

VXMG Family of Variable Flute End Mills are available in 4-, 5-, 6-, 7-, 9- & 10+ -flute styles. These high performance carbide end mills are ideal for:

- Maximizing metal removal rates
- **Titanium, Stainless Steels & all ferrous materials** up to 50 HRC
- Roughing, semi-finishing and finishing applications

The unique combination of variable helix angles and unequal flute division enables chatter-less machining and the use of heavier feed rates for:

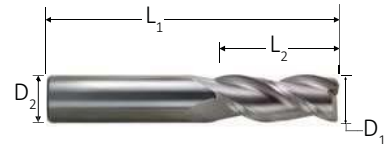
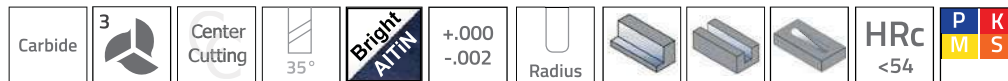
- **4- & 5-Flute Tools** - Designed for heavy-slotting & long depth profiling
- **6-Flute Tools** - Designed for roughing and finishing applications
- **7-Flute Tools** - Designed for semi-finishing & medium depth profiling
- **9-Flute Tools** - Ideal for fine finish and profiling
- **10+-Flute Tools** - Ideal for ULTRA fine finish & profiling

Our special nACo nanocomposite PVD coating provides maximum tool life for end mills in a wide range of sizes, lengths, neck styles and corner radius. That's why you can depend on Melin for tooling that matches your specific applications

For enhanced performance in **Titanium & Nickel based alloys**, try our "T" series with nACRo coating. (page 8)

TITANIUM ALLOYS & HIGH TEMP ALLOYS

3 FLUTE • 35° FOR STAINLESS STEEL



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Additional coatings available upon request

- ▶ Unique geometry and higher helix maximizes heat & wear resistance
- ▶ Outstanding performance in single pass slotting applications
- ▶ Cost effective for use on older, NC machines on short run production

SERIES: EMG35 ✓ [Check Stock Online](#)



DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	LENGTH	PART NAME	BRIGHT EDP	ALTIN EDP	BRIGHT Price	ALTIN Price
1/8	1/8	1/4	1-1/2	.008-.010	stub	EMGS35-404	17658	57658	17.02	20.30
1/8	1/8	1/2	1-1/2	.008-.010	std	EMG35-404	16709	56709	17.02	20.30
5/32	3/16	5/16	2	.008-.010	stub	EMGS35-605	17659	57659	22.75	27.10
5/32	3/16	9/16	2	.008-.010	std	EMG35-605	17722	57722	22.75	25.96
3/16	3/16	5/16	2	.008-.010	stub	EMGS35-606	17660	57660	21.62	25.70
3/16	3/16	9/16	2	.008-.010	std	EMG35-606	17723	57723	21.62	25.70
7/32	1/4	3/8	2	.015-.020	stub	EMGS35-807	17661	57661	26.20	31.20
7/32	1/4	3/4	2-1/2	.015-.020	std	EMG35-807	17724	57724	27.14	32.30
1/4	1/4	3/8	2	.015-.020	stub	EMGS35-808	17662	57662	24.73	29.40
1/4	1/4	3/4	2-1/2	.015-.020	std	EMG35-808	16702	56702	25.66	30.50
5/16	5/16	7/16	2	.015-.020	stub	EMGS35-1010	17664	57664	31.49	37.50
5/16	5/16	13/16	2-1/2	.015-.020	std	EMG35-1010	17727	57727	33.16	39.50
3/8	3/8	1/2	2	.015-.020	stub	EMGS35-1212	17666	57666	36.78	43.80
3/8	3/8	1	2-1/2	.015-.020	std	EMG35-1212	17729	57729	37.69	44.80
7/16	7/16	9/16	2-1/2	.015-.020	stub	EMGS35-1414	17667	57667	47.64	56.69
7/16	7/16	1	2-3/4	.015-.020	std	EMG35-1414	17730	57730	49.42	58.80
1/2	1/2	5/8	2-1/2	.030-.035	stub	EMGS35-1616	17668	57668	59.55	70.90
1/2	1/2	1-1/4	3	.030-.035	std	EMG35-1616	16708	56708	61.22	72.90
5/8	5/8	3/4	3	.030-.035	stub	EMGS35-2020	17669	57669	109.24	130.00
5/8	5/8	1-5/8	3-1/2	.030-.035	std	EMG35-2020	17732	57732	114.10	135.80
3/4	3/4	1	3	.030-.035	stub	EMGS35-2424	17670	57670	155.10	184.60
3/4	3/4	1-5/8	4	.030-.035	std	EMG35-2424	17733	57733	170.86	203.30

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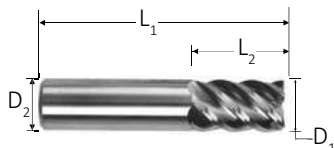
3 FLUTE • 35° FOR STAINLESS STEEL

SERIES: EMG35-M_M_ ✓ [Check Stock Online](#)



DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	PART NAME	BRIGHT EDP	ALTIN EDP	BRIGHT Price	ALTIN Price
3mm	3mm	12mm	38mm	0.23mm	EMG35-M3M3	13394	53394	10.95	13.05
4mm	4mm	14mm	51mm	0.23mm	EMG35-M4M4	13395	53395	15.79	18.39
5mm	5mm	20mm	51mm	0.23mm	EMG35-M5M5	13396	53396	17.99	21.09
6mm	6mm	20mm	63mm	0.45mm	EMG35-M6M6	13397	53397	20.14	23.24
8mm	8mm	20mm	63mm	0.45mm	EMG35-M8M8	13398	53398	24.44	29.29
10mm	10mm	25mm	70mm	0.45mm	EMG35-M10M10	13399	53399	39.79	47.42
12mm	12mm	25mm	76mm	0.45mm	EMG35-M12M12	13400	53400	50.26	58.16
14mm	14mm	32mm	89mm	0.82mm	EMG35-M14M14	13401	53401	88.57	98.77
16mm	16mm	32mm	89mm	0.82mm	EMG35-M16M16	13402	53402	96.65	112.80
20mm	20mm	38mm	100mm	0.82mm	EMG35-M20M20	13404	53404	183.41	209.06

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TITANIUM ALLOYS & HIGH TEMP ALLOYS

5 FLUTE • 45° FOR STAINLESS STEELS/NICKEL BASED ALLOYS

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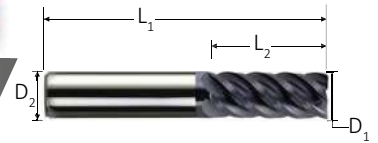
- Unique geometry and higher helix maximizes resistance to heat and wear
- Outstanding performance in heavy profiling applications
- Cost effective for use on short run production

SERIES: GMG ✓ **Check Stock Online**

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	LENGTH	PART NAME	BRIGHT EDP	AlTiN EDP	BRIGHT Price	AlTiN Price
1/16	1/8	3/16	1-1/2	SQ	std	GMG-402	14707	54707	16.96	31.29
3/32	1/8	9/32	1-1/2	SQ	std	GMG-403	14708	54708	16.96	29.91
1/8	1/8	1/4	1-1/2	SQ	stub	GMGS-404	17698	57698	12.28	14.60
1/8	1/8	1/4	1-1/2	0.010	stub	GMGS-404-R010	10232	50232	13.82	15.92
1/8	1/8	1/2	1-1/2	SQ	std	GMG-404	15942	55942	12.44	14.80
1/8	1/8	1/2	1-1/2	0.010	std	GMG-404-R010	11350	51350	14.00	16.10
5/32	3/16	5/16	2	SQ	stub	GMGS-605	17699	57699	17.40	20.70
5/32	3/16	9/16	2	SQ	std	GMG-605	15943	55943	17.67	21.00
3/16	3/16	5/16	2	SQ	stub	GMGS-606	17700	57700	17.18	20.50
3/16	3/16	9/16	2	SQ	std	GMG-606	15944	55944	17.50	20.80
3/16	3/16	9/16	2	0.010	std	GMG-606-R010	11571	51571	19.69	22.29
7/32	1/4	3/8	2	SQ	stub	GMGS-807	17701	57701	21.11	25.10
7/32	1/4	3/4	2-1/2	SQ	std	GMG-807	15945	55945	22.22	26.40
1/4	1/4	3/8	2	SQ	stub	GMGS-808	17702	57702	19.51	23.20
1/4	1/4	3/8	2	.015	stub	GMGS-808-R015	11648	51648	21.95	26.05
1/4	1/4	3/4	2-1/2	SQ	std	GMG-808	15946	55946	21.88	26.00
1/4	1/4	3/4	2-1/2	0.015	std	GMG-808-R015	11704	51704	24.62	27.72
1/4	1/4	1-1/2	4	SQ	xl	GMG-808-E	15947	55947	35.64	42.40
5/16	5/16	7/16	2	SQ	stub	GMGS-1010	17703	57703	24.51	29.20
5/16	5/16	13/16	2-1/2	SQ	std	GMG-1010	15948	55948	27.15	32.30
5/16	5/16	13/16	2-1/2	0.015	std	GMG-1010-R015	11705	51705	30.54	35.02
3/8	3/8	1/2	2	SQ	stub	GMGS-1212	17704	57704	29.32	34.90
3/8	3/8	1/2	2	0.015	stub	GMGS-1212-R015	11706	51706	32.99	37.84
3/8	3/8	1/2	2	0.030	stub	GMGS-1212-R030	11707	51707	32.99	37.84
3/8	3/8	1	2-1/2	SQ	std	GMG-1212	15949	55949	34.14	40.60
3/8	3/8	1	2-1/2	0.015	std	GMG-1212-R015	11708	51708	38.41	43.26
3/8	3/8	1	2-1/2	0.015	std	GMG-1212-R030	11710	51710	38.41	43.26
3/8	3/8	1-3/4	4	SQ	xl	GMG-1212-E	15950	55950	56.22	66.90
13/32	7/16	9/16	2-1/2	SQ	stub	GMGS-1413	10739	50739	53.17	63.30
7/16	7/16	9/16	2-1/2	SQ	stub	GMGS-1414	17705	57705	38.62	46.00
7/16	7/16	1	2-3/4	SQ	std	GMG-1414	15951	55951	46.17	55.00
1/2	1/2	5/8	2-1/2	SQ	stub	GMGS-1616	17706	57706	46.02	54.80
1/2	1/2	5/8	2-1/2	0.030	stub	GMGS-1616-R030	11711	51711	51.77	59.67
1/2	1/2	5/8	2-1/2	0.060	stub	GMGS-1616-R060	11716	51716	51.77	59.67
1/2	1/2	1-1/4	3	SQ	std	GMG-1616	15952	55952	55.58	66.20
1/2	1/2	1-1/4	3	0.030	std	GMG-1616-R030	11978	51978	62.53	70.43
1/2	1/2	1-1/4	3	0.060	std	GMG-1616-R060	11781	51781	62.53	70.43
1/2	1/2	2	4	SQ	std	GMG-1616-M	11886	51886	71.61	82.14
1/2	1/2	2	4	0.030	std	GMG-1616-R030M	15241	55241	80.56	91.09
1/2	1/2	3	6	SQ	xl	GMG-1616-E	15953	55953	114.80	136.60
9/16	9/16	1-1/2	3-1/2	SQ	std	GMG-1818	15954	55954	88.31	105.10
5/8	5/8	3/4	3	SQ	stub	GMGS-2020	17707	57707	94.20	112.10
5/8	5/8	3/4	3	0.030	stub	GMGS-2020-R030	15243	55243	105.98	117.43



TITANIUM ALLOYS & HIGH TEMP AL

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5 FLUTE • 45° FOR STAINLESS STEELS/NICKEL BASED ALLOYS

✓ **Check Stock Online**

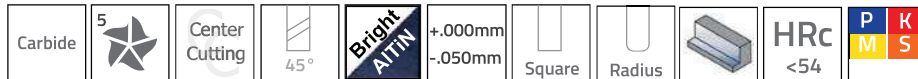
SERIES: GMG



DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	LENGTH	PART NAME	BRIGHT EDP	AITiN EDP	BRIGHT Price	ALTIN Price
5/8	5/8	3/4	3	0.060	stub	GMGS-2020-R060	15245	55245	105.98	117.43
5/8	5/8	1-5/8	3-1/2	SQ	std	GMG-2020	15955	55955	99.22	118.10
5/8	5/8	1-5/8	3-1/2	0.030	std	GMG-2020-R030	15247	55247	111.62	123.07
5/8	5/8	1-5/8	3-1/2	0.060	std	GMG-2020-R060	H6836	H6837	111.62	123.07
5/8	5/8	3	6	SQ	xl	GMG-2020-E	11203	51203	155.42	184.94
3/4	3/4	1	3	SQ	stub	GMGS-2424	17708	57708	128.10	152.40
3/4	3/4	1	3	0.030	stub	GMGS-2424-R030	15249	55249	144.11	160.26
3/4	3/4	1	3	.060	stub	GMGS-2424-R060	15253	55253	144.11	160.26
3/4	3/4	1-5/8	4	SQ	std	GMG-2424	15956	55956	146.06	173.80
3/4	3/4	1-5/8	4	0.030	std	GMG-2424-R030	15257	55257	164.32	180.47
3/4	3/4	1-5/8	4	0.060	std	GMG-2424-R060	15259	55259	164.32	180.47
3/4	3/4	3	6	SQ	xl	GMG-2424-E	15957	55957	246.14	292.90
1	1	1-1/4	3	SQ	stub	GMGS-3232	17709	57709	204.65	243.50
1	1	1-1/2	4	SQ	std	GMG-3232	15958	55958	250.34	297.90
1	1	1-1/2	4	0.030	std	GMG-3232-R030	15261	55261	281.63	313.23
1	1	1-1/2	4	0.060	std	GMG-3232-R060	15263	55263	281.63	313.23
1	1	3	6	SQ	xl	GMG-3232-E	15959	55959	403.83	480.60
1-1/4	1-1/4	2	4-1/2	SQ	std	GMG-4040	15265	55265	439.48	479.13
1-1/4	1-1/4	2	4-1/2	0.030	std	GMG-4040-R030	10000	50000	493.79	533.44
1-1/4	1-1/4	2	4-1/2	0.060	std	GMG-4040-R060	H6816	H6817	493.79	533.44

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5 FLUTE • 45° FOR STAINLESS STEELS/NICKEL BASED ALLOYS

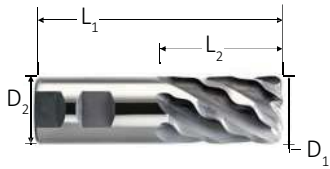


SERIES: GMG-M_M_ ✓ **Check Stock Online**



DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	LENGTH	PART NAME	BRIGHT EDP	AITiN EDP	BRIGHT Price	ALTIN Price
3mm	3mm	12mm	38mm	SQ	std	GMG-M3M3	13405	53405	10.95	13.58
4mm	4mm	14mm	51mm	SQ	std	GMG-M4M4	13406	53406	15.79	18.50
5mm	5mm	20mm	51mm	SQ	std	GMG-M5M5	13407	53407	17.99	20.80
6mm	6mm	20mm	63mm	SQ	std	GMG-M6M6	13408	53408	20.14	25.00
6mm	6mm	20mm	63mm	0.5mm	std	GMG-M6M6-R0.5	H6818	H6827	22.66	
6mm	6mm	25mm	75mm	SQ	med	GMG-M6M6-M	H6819	H6828	24.98	
8mm	8mm	20mm	63mm	SQ	std	GMG-M8M8	13409	53409	24.44	30.30
8mm	8mm	20mm	63mm	0.5mm	std	GMG-M8M8-R0.5	H6820	H6829	27.50	
8mm	8mm	25mm	75mm	SQ	med	GMG-M8M8-M	H6821	H6830	30.12	
10mm	10mm	25mm	70mm	SQ	std	GMG-M10M10	13410	53410	39.79	48.20
10mm	10mm	25mm	70mm	0.5mm	std	GMG-M10M10-R0.5	H6822	H6831	44.76	
10mm	10mm	38mm	100mm	SQ	long	GMG-M10M10-L	H6823	H6832	58.84	
12mm	12mm	25mm	76mm	SQ	std	GMG-M12M12	13411	53411	50.26	58.80
12mm	12mm	25mm	76mm	1.0mm	std	GMG-M12M12-R1.0	H6824	H6833	56.54	
12mm	12mm	50mm	100mm	SQ	long	GMG-M12M12-L	H6825	H6834	69.13	
16mm	16mm	32mm	89mm	SQ	std	GMG-M16M16	13413	53413	96.65	96.65
16mm	16mm	32mm	89mm	1.0mm	std	GMG-M16M16-R1.0	H6826	H6835	108.73	
20mm	20mm	38mm	100mm	SQ	std	GMG-M20M20	13415	53415	183.41	209.06

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TITANIUM ALLOYS & HIGH TEMP ALLOYS

4 OR 6 FLUTE • COBALT AEROCUT ROUGHING END MILL

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HSSCo
M42



Center
Cutting



Bright
nACRo

+0.003
-0.003



HRc
<48

M S

Additional coatings available upon request

- Designed for high volume removal of Titanium Alloys
- Unique sinusoidal wave along flute provides ideal chip evacuation
- Enables heavy cuts at high feed rates while eliminating chip nesting
- Outstanding performance on large Gantry-style machines

SERIES: CCAC ✓ Check Stock Online

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	LENGTH	FL	PART NAME	Bright EDP	nACRo EDP	BRIGHT Price	ALTIN Price
3/4	3/4	1-5/8	3-7/8	.022 x 45°	std	4	CCAC4-2424	13124	33124	68.00	81.96
3/4	3/4	1-5/8	3-7/8	0.060	std	4	CCAC4-2424-R060	14327	34327	74.00	87.96
3/4	3/4	1-5/8	3-7/8	0.090	std	4	CCAC4-2424-R090	14328	34328	74.00	87.96
3/4	3/4	1-5/8	3-7/8	0.120	std	4	CCAC4-2424-R120	14329	34329	74.00	87.96
3/4	3/4	3	5-1/4	.022 x 45°	long	4	CCAC4-2424-L	13125	33125	96.00	113.45
3/4	3/4	3	5-1/4	0.060	long	4	CCAC4-2424-R060L	14331	34331	105.00	122.45
3/4	3/4	3	5-1/4	0.090	long	4	CCAC4-2424-R090L	14332	34332	105.00	122.45
3/4	3/4	3	5-1/4	0.120	long	4	CCAC4-2424-R120L	14333	34333	105.00	122.45
1	1	2	4-1/2	.022 x 45°	std	4	CCAC4-3232	13126	33126	98.00	128.32
1	1	2	4-1/2	0.060	std	4	CCAC4-3232-R060	14340	34340	108.00	138.32
1	1	2	4-1/2	0.090	std	4	CCAC4-3232-R090	14341	34341	108.00	138.32
1	1	2	4-1/2	0.120	std	4	CCAC4-3232-R120	13127	33127	108.00	138.32
1	1	2	4-1/2	0.250	std	4	CCAC4-3232-R250	14342	34342	108.00	138.32
1	1	2	4-1/2	.022 x 45°	std	6	CCAC6-3232	14343	34343	98.00	128.32
1	1	2	4-1/2	0.060	std	6	CCAC6-3232-R060	14345	34345	108.00	138.32
1	1	2	4-1/2	0.090	std	6	CCAC6-3232-R090	14346	34346	108.00	138.32
1	1	2	4-1/2	0.120	std	6	CCAC6-3232-R120	14347	34347	108.00	138.32
1	1	2	4-1/2	0.250	std	6	CCAC6-3232-R250	14348	34348	108.00	138.32
1	1	3	5-1/2	.022 x 45°	med	4	CCAC4-3232-M	13128	33128	135.00	172.05
1	1	3	5-1/2	0.060	med	4	CCAC4-3232-R060M	14350	34350	148.00	185.05
1	1	3	5-1/2	0.090	med	4	CCAC4-3232-R090M	14351	34351	148.00	185.05
1	1	3	5-1/2	0.120	med	4	CCAC4-3232-R120M	14352	34352	148.00	185.05
1	1	3	5-1/2	.022 x 45°	med	6	CCAC6-3232-M	14353	34353	135.00	172.05
1	1	3	5-1/2	0.060	med	6	CCAC6-3232-R060M	14355	34355	148.00	185.05
1	1	3	5-1/2	0.090	med	6	CCAC6-3232-R090M	14356	34356	148.00	185.05
1	1	3	5-1/2	0.120	med	6	CCAC6-3232-R120M	14357	34357	148.00	185.05
1	1	3	5-1/2	0.250	med	6	CCAC6-3232-R250M	14358	34358	148.00	185.05
1	1	4	6-1/2	.022 x 45°	long	4	CCAC4-3232-L	13129	33129	145.00	188.79
1	1	4	6-1/2	0.060	long	4	CCAC4-3232-R060L	14360	34360	145.00	201.79
1	1	4	6-1/2	0.090	long	4	CCAC4-3232-R090L	14361	34361	145.00	201.79
1	1	4	6-1/2	0.120	long	4	CCAC4-3232-R120L	13132	33132	158.00	201.79
1	1	4	6-1/2	0.250	long	4	CCAC4-3232-R250L	14362	34362	158.00	201.79
1	1	4	6-1/2	.022 x 45°	long	6	CCAC6-3232-L	14363	34363	135.00	188.79
1	1	4	6-1/2	0.060	long	6	CCAC6-3232-R060L	14365	34365	158.00	201.79
1	1	4	6-1/2	0.090	long	6	CCAC6-3232-R090L	14366	34366	158.00	201.79
1	1	4	6-1/2	0.120	long	6	CCAC6-3232-R120L	14367	34367	158.00	201.79
1	1	4	6-1/2	0.250	long	6	CCAC6-3232-R250L	14368	34368	158.00	201.79

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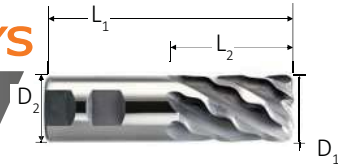
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TITANIUM ALLOYS & HIGH TEMP ALLOYS

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4 OR 6 FLUTE • COBALT AEROCUT ROUGHING END MILL



✓ **Check Stock Online**

SERIES: CCAC



DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	LENGTH	FL	PART NAME	Bright EDP	nACRo EDP	BRIGHT Price	ALTIN Price
1-1/4	1-1/4	2	4-1/2	.022 x 45°	std	4	CCAC4-4040	13133	33133	148.00	186.06
1-1/4	1-1/4	2	4-1/2	0.060	std	4	CCAC4-4040-R060	14382	34382	163.00	201.06
1-1/4	1-1/4	2	4-1/2	0.090	std	4	CCAC4-4040-R090	14383	34383	163.00	201.06
1-1/4	1-1/4	2	4-1/2	0.120	std	4	CCAC4-4040-R120	13134	33134	163.00	201.06
1-1/4	1-1/4	2	4-1/2	0.190	std	4	CCAC4-4040-R190	14384	34384	163.00	201.06
1-1/4	1-1/4	2	4-1/2	0.250	std	4	CCAC4-4040-R250	14385	34385	163.00	201.06
1-1/4	1-1/4	2	4-1/2	.022 x 45°	std	6	CCAC6-4040	13135	33135	148.00	186.06
1-1/4	1-1/4	2	4-1/2	0.060	std	6	CCAC6-4040-R060	14387	34387	163.00	201.06
1-1/4	1-1/4	2	4-1/2	0.090	std	6	CCAC6-4040-R090	14388	34388	163.00	201.06
1-1/4	1-1/4	2	4-1/2	0.120	std	6	CCAC6-4040-R120	13304	33304	163.00	201.06
1-1/4	1-1/4	2	4-1/2	0.190	std	6	CCAC6-4040-R190	14389	34389	163.00	201.06
1-1/4	1-1/4	2	4-1/2	0.250	std	6	CCAC6-4040-R250	14390	34390	163.00	201.06
1-1/4	1-1/4	3	5-1/2	.022 x 45°	med	4	CCAC4-4040-M	13337	33337	180.00	226.51
1-1/4	1-1/4	3	5-1/2	0.060	med	4	CCAC4-4040-R060M	14392	34392	195.00	241.51
1-1/4	1-1/4	3	5-1/2	0.090	med	4	CCAC4-4040-R090M	14393	34393	195.00	241.51
1-1/4	1-1/4	3	5-1/2	0.120	med	4	CCAC4-4040-R120M	14394	34394	195.00	241.51
1-1/4	1-1/4	3	5-1/2	0.190	med	4	CCAC4-4040-R190M	14395	34395	195.00	241.51
1-1/4	1-1/4	3	5-1/2	0.250	med	4	CCAC4-4040-R250M	14396	34396	195.00	241.51
1-1/4	1-1/4	3	5-1/2	.022 x 45°	med	6	CCAC6-4040-M	13338	33338	180.00	226.51
1-1/4	1-1/4	3	5-1/2	0.060	med	6	CCAC6-4040-R060M	14398	34398	195.00	241.51
1-1/4	1-1/4	3	5-1/2	0.090	med	6	CCAC6-4040-R090M	14399	34399	195.00	241.51
1-1/4	1-1/4	3	5-1/2	0.120	med	6	CCAC6-4040-R120M	13339	33339	195.00	241.51
1-1/4	1-1/4	3	5-1/2	0.190	med	6	CCAC6-4040-R190M	14400	34400	195.00	241.51
1-1/4	1-1/4	3	5-1/2	0.250	med	6	CCAC6-4040-R250M	14401	34401	195.00	241.51
1-1/4	1-1/4	4	6-1/2	.022 x 45°	long	4	CCAC4-4040-L	14402	34402	205.00	259.97
1-1/4	1-1/4	4	6-1/2	0.060	long	4	CCAC4-4040-R060L	14404	34404	225.00	279.97
1-1/4	1-1/4	4	6-1/2	0.090	long	4	CCAC4-4040-R090L	14405	34405	225.00	279.97
1-1/4	1-1/4	4	6-1/2	0.120	long	4	CCAC4-4040-R120L	14406	34406	225.00	279.97
1-1/4	1-1/4	4	6-1/2	0.190	long	4	CCAC4-4040-R190L	14407	34407	225.00	279.97
1-1/4	1-1/4	4	6-1/2	0.250	long	4	CCAC4-4040-R250L	14408	34408	225.00	279.97
1-1/4	1-1/4	4	6-1/2	.022 x 45°	long	6	CCAC6-4040-L	13340	33340	205.00	259.97
1-1/4	1-1/4	4	6-1/2	0.060	long	6	CCAC6-4040-R060L	14423	34423	225.00	279.97
1-1/4	1-1/4	4	6-1/2	0.090	long	6	CCAC6-4040-R090L	14424	34424	225.00	279.97
1-1/4	1-1/4	4	6-1/2	0.120	long	6	CCAC6-4040-R120L	13341	33341	225.00	279.97
1-1/4	1-1/4	4	6-1/2	0.190	long	6	CCAC6-4040-R190L	14425	34425	225.00	279.97
1-1/4	1-1/4	4	6-1/2	0.250	long	6	CCAC6-4040-R250L	14426	34426	225.00	279.97
1-1/4	1-1/4	6	8-1/2	.022 x 45°	xl	6	CCAC6-4040-E	14434	34434	280.00	343.43
1-1/4	1-1/4	6	8-1/2	0.060	xl	6	CCAC6-4040-R060E	14436	34436	305.00	368.43
1-1/4	1-1/4	6	8-1/2	0.090	xl	6	CCAC6-4040-R090E	14437	34437	305.00	368.43
1-1/4	1-1/4	6	8-1/2	0.120	xl	6	CCAC6-4040-R120E	14438	34438	305.00	368.43
1-1/4	1-1/4	6	8-1/2	0.190	xl	6	CCAC6-4040-R190E	14439	34439	305.00	368.43
1-1/4	1-1/4	6	8-1/2	0.250	xl	6	CCAC6-4040-R250E	14440	34440	305.00	368.43
1-1/2	1-1/4	2	4-1/2	.040 x 45°	std	6	CCAC6-4048	14448	34448	180.00	230.31
1-1/2	1-1/4	2	4-1/2	0.060	std	6	CCAC6-4048-R060	14568	34568	195.00	245.31
1-1/2	1-1/4	2	4-1/2	0.090	std	6	CCAC6-4048-R090	14569	34569	195.00	245.31
1-1/2	1-1/4	2	4-1/2	0.120	std	6	CCAC6-4048-R120	14570	34570	195.00	245.31

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SERIES: CCAC

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4 OR 6 FLUTE • COBALT AEROCUT ROUGHING END MILL

DIA D ₁	SHK D ₂	LOC L ₂	OAL L ₁	CORNER	LENGTH	FL	PART NAME	Bright EDP	nACRo EDP	BRIGHT Price	ALTIN Price
1-1/2	1-1/4	2	4-1/2	0.190	std	6	CCAC6-4048-R190	14571	34571	195.00	245.31
1-1/2	1-1/4	2	4-1/2	0.250	std	6	CCAC6-4048-R250	14572	34572	195.00	245.31
1-1/2	1-1/4	3	5-1/2	.040 x 45°	med	6	CCAC6-4048-M	14580	34580	255.00	316.49
1-1/2	1-1/4	3	5-1/2	0.060	med	6	CCAC6-4048-R060M	14582	34582	275.00	336.49
1-1/2	1-1/4	3	5-1/2	0.090	med	6	CCAC6-4048-R090M	14583	34583	275.00	336.49
1-1/2	1-1/4	3	5-1/2	0.120	med	6	CCAC6-4048-R120M	14584	34584	275.00	336.49
1-1/2	1-1/4	3	5-1/2	0.190	med	6	CCAC6-4048-R190M	14585	34585	275.00	336.49
1-1/2	1-1/4	3	5-1/2	0.250	med	6	CCAC6-4048-R250M	14586	34586	275.00	336.49
1-1/2	1-1/4	4	6-1/2	.040 x 45°	long	6	CCAC6-4048-L	14596	34596	295.00	367.67
1-1/2	1-1/4	4	6-1/2	0.060	long	6	CCAC6-4048-R060L	14598	34598	320.00	392.67
1-1/2	1-1/4	4	6-1/2	0.090	long	6	CCAC6-4048-R090L	14599	34599	320.00	392.67
1-1/2	1-1/4	4	6-1/2	0.120	long	6	CCAC6-4048-R120L	14600	34600	320.00	392.67
1-1/2	1-1/4	4	6-1/2	0.190	long	6	CCAC6-4048-R190L	14601	34601	320.00	392.67
1-1/2	1-1/4	4	6-1/2	0.250	long	6	CCAC6-4048-R250L	14602	34602	320.00	392.67
1-1/2	1-1/4	6	8-1/2	.040 x 45°	xl	6	CCAC6-4048-E	14610	34610	395.00	478.85
1-1/2	1-1/4	6	8-1/2	0.060	xl	6	CCAC6-4048-R060E	14612	34612	430.00	513.85
1-1/2	1-1/4	6	8-1/2	0.090	xl	6	CCAC6-4048-R090E	14613	34613	430.00	513.85
1-1/2	1-1/4	6	8-1/2	0.120	xl	6	CCAC6-4048-R120E	14614	34614	430.00	513.85
2	2	2	5-3/4	.040 x 45°	std	6	CCAC6-6464	13718	33718	341.55	419.81
2	2	2	5-3/4	0.060	std	6	CCAC6-6464-R060	14645	34645	369.55	447.81
2	2	2	5-3/4	0.090	std	6	CCAC6-6464-R090	14646	34646	369.55	447.81
2	2	2	5-3/4	0.120	std	6	CCAC6-6464-R120	15187	35187	369.55	447.81
2	2	3	6-3/4	.040 x 45°	med	6	CCAC6-6464-M	13342	33342	375.00	459.78
2	2	3	6-3/4	0.060	med	6	CCAC6-6464-R060M	14625	34625	405.00	489.78
2	2	3	6-3/4	0.090	med	6	CCAC6-6464-R090M	14626	34626	405.00	489.78
2	2	3	6-3/4	0.120	med	6	CCAC6-6464-R120M	14627	34627	405.00	489.78
2	2	3	6-3/4	0.190	med	6	CCAC6-6464-R190M	14628	34628	405.00	489.78
2	2	3	6-3/4	0.250	med	6	CCAC6-6464-R250M	14629	34629	405.00	489.78
2	2	4	7-3/4	.040 x 45°	long	6	CCAC6-6464-L	13343	33343	398.00	489.29
2	2	4	7-3/4	0.060	long	6	CCAC6-6464-R060L	14639	34639	428.00	519.3
2	2	4	7-3/4	0.090	long	6	CCAC6-6464-R090L	14640	34640	428.00	519.3
2	2	4	7-3/4	0.120	long	6	CCAC6-6464-R120L	14641	34641	428.00	519.3
2	2	4	7-3/4	0.190	long	6	CCAC6-6464-R190L	14642	34642	428.00	519.3
2	2	4	7-3/4	0.250	long	6	CCAC6-6464-R250L	14643	34643	428.00	519.3
2	2	6	9-3/4	.040 x 45°	xl	6	CCAC6-6464-E	13344	33344	470.00	574.35
2	2	6	9-3/4	0.060	xl	6	CCAC6-6464-R060E	14652	34652	510.00	614.35
2	2	6	9-3/4	0.090	xl	6	CCAC6-6464-R090E	14653	34653	510.00	614.35
2	2	6	9-3/4	0.120	xl	6	CCAC6-6464-R120E	14654	34654	510.00	614.35
2	2	6	9-3/4	0.190	xl	6	CCAC6-6464-R190E	14655	34655	510.00	614.35
2	2	6	9-3/4	0.250	xl	6	CCAC6-6464-R250E	14656	34656	510.00	614.35
2	2	8	11-3/4	.040 x 45°	xx-long	6	CCAC6-6464-EE	14657	34657	580.00	697.39
2	2	8	11-3/4	0.060	xx-long	6	CCAC6-6464-R060EE	14659	34659	635.00	752.39
2	2	8	11-3/4	0.090	xx-long	6	CCAC6-6464-R090EE	14660	34660	635.00	752.39
2	2	8	11-3/4	0.120	xx-long	6	CCAC6-6464-R120EE	14661	34661	635.00	752.39
2	2	8	11-3/4	0.190	xx-long	6	CCAC6-6464-R190EE	14662	34662	635.00	752.39

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COMBINATION SHANK can be requested on any of our large diameter CCAC cutters. Call customer service for pricing, lead time, and availability. 216.362.4200

