

Ceramic inserts available.  
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# CARBIDE INSERTS



## TPMA-NV TRIANGLE— POSITIVE RAKE 60° V-THREAD

Insert Number	I.C.	Thickness	Hole Size	Price Each		
				C-2	C-5 & C-6	TiN Coated
TPMA-32NV	3/8	.125	.150	9.08	9.56	10.80
TPMA-43NV	1/2	.188	.203	10.56	11.08	12.14



## TNMA-NV TRIANGLE— NEUTRAL RAKE 60° V-THREAD

Insert Number	I.C.	Thickness	Hole Size	Price Each		
				C-2	C-5 & C-6	TiN Coated
TNMA-32NV	3/8	.125	.150	7.86	8.10	9.33
TNMA-43NV	1/2	.188	.203	9.46	9.92	11.36



## TPMC-NV TRIANGLE— POSITIVE RAKE 60° V-THREAD

Insert Number	I.C.	Thickness	Hole Size	Price Each		
				C-2	C-5 & C-6	TiN Coated
TPMC-32NV	3/8	.125	.150	9.08	9.56	10.80
TPMC-43NV	1/2	.188	.203	10.56	11.08	12.14



## TNMC-NV TRIANGLE— NEUTRAL RAKE 60° V-THREAD

Insert Number	I.C.	Thickness	Hole Size	Price Each		
				C-2	C-5 & C-6	TiN Coated
TNMC-32NV	3/8	.125	.150	7.86	8.10	9.33
TNMC-43NV	1/2	.188	.203	9.42	9.92	11.36



## SPG SQUARE — POSITIVE RAKE GROUND ALL OVER

Insert Number	I.C.	Thickness	Radius	Price Each		
				C-2	C-5 & C-6	TiN Coated
SPG-321	3/8	1/8	1/64	4.10	4.30	4.99
SPG-322	3/8	1/8	1/32	4.10	4.30	4.99
SPG-323	3/8	1/8	3/64	4.10	4.30	4.99
SPG-420	1/2	1/8	0	4.75	5.12	5.80
SPG-421	1/2	1/8	1/64	4.75	5.12	5.80
SPG-422	1/2	1/8	1/32	4.75	5.12	5.80
SPG-423	1/2	1/8	3/64	4.75	5.12	5.80
SPG-424	1/2	1/8	1/16	4.75	5.12	5.80
SPG-432	1/2	3/16	1/32	5.47	6.16	7.54
SPG-433	1/2	3/16	3/64	5.47	6.16	7.54
SPG-632	3/4	3/16	1/32	7.93	8.75	10.30
SPG-633	3/4	3/16	3/64	7.93	8.75	10.30
SPG-634	3/4	3/16	1/16	7.93	8.75	10.30



## SNG SQUARE — NEGATIVE RAKE GROUND ALL OVER

Insert Number	I.C.	Thickness	Radius	Price Each		
				C-2	C-5 & C-6	TiN Coated
SNG-321	3/8	1/8	1/64	2.99	3.29	3.85
SNG-322	3/8	1/8	1/32	2.99	3.29	3.85
SNG-323	3/8	1/8	3/64	2.99	3.29	3.85
SNG-332	1/8	3/16	1/32	—	3.86	4.60
SNG-422	1/2	1/8	1/32	3.80	4.08	4.71
SNG-423	1/2	1/8	3/64	3.80	4.08	4.71
SNG-424	1/2	1/8	1/16	3.80	4.08	4.71
SNG-432	1/2	3/16	1/32	4.60	4.99	5.75
SNG-433	1/2	3/16	3/64	4.60	4.99	5.75
SNG-434	1/2	3/16	1/16	4.60	4.99	5.75
SNG-632	3/4	3/16	1/32	7.20	8.25	9.46
SNG-633	3/4	3/16	3/64	7.20	8.25	9.46
SNG-634	3/4	3/16	1/16	7.20	8.25	9.46



## SPU SQUARE — POSITIVE RAKE GROUND TOP AND BOTTOM

Insert Number	I.C.	Thickness	Radius	Price Each		
				C-2	C-5 & C-6	TiN Coated
SPU-322	3/8	1/8	1/32	2.68	3.20	3.75
SPU-421	1/2	1/8	1/64	3.80	4.13	4.75
SPU-422	1/2	1/8	1/32	3.80	4.13	4.75
SPU-423	1/2	1/8	3/64	3.80	4.13	4.75
SPU-632	3/4	3/16	1/32	7.20	7.99	9.25
SPU-633	3/4	3/16	3/64	7.20	7.99	9.25
SPU-634	3/4	3/16	1/16	7.20	7.99	9.25



## SNU SQUARE — NEGATIVE RAKE GROUND TOP AND BOTTOM

Insert Number	I.C.	Thickness	Radius	Price Each		
				C-2	C-5 & C-6	TiN Coated
SNU-322	3/8	1/8	1/32	1.81	1.97	2.72
SNU-422	1/2	1/8	1/32	2.50	2.83	3.40
SNU-423	1/2	1/8	3/64	2.50	2.83	3.40
SNU-424	1/2	1/8	1/16	2.50	2.83	3.40
SNU-432	1/2	3/16	1/32	3.08	3.60	4.15
SNU-433	1/2	3/16	3/64	3.08	3.60	4.15
SNU-434	1/2	3/16	1/16	3.08	3.60	4.15
SNU-633	3/4	3/16	3/64	5.79	6.80	7.95
SNU-634	3/4	3/16	1/16	5.79	6.80	7.95



## SNMA SQUARE — NEGATIVE RAKE LAPPED TOP AND BOTTOM WITH HOLE

Insert Number	I.C.	Thickness	Radius	Price Each		
				C-2	C-5 & C-6	TiN Coated
SNMA-322	3/8	1/8	1/32	1.50	1.70	2.57
SNMA-432	1/2	3/16	1/32	2.90	3.30	4.08
SNMA-433	1/2	3/16	3/64	2.90	3.30	4.08
SNMA-543	5/8	1/4	3/64	4.38	5.03	6.22
SNMA-633	3/4	1/4	3/64	4.52	5.30	6.45
SNMA-643	3/4	1/4	3/64	5.93	6.91	8.48
SNMA-644	3/4	1/4	1/16	5.93	6.91	8.48
SNMA-866	1	3/8	3/32	14.75	17.25	21.36



## SPC SQUARE — POSITIVE RAKE GROUND ALL OVER W/ WIPING FLATS ON FOUR CORNERS

Insert Number	I.C.	Thickness	Price Each		
			C-2	C-5 & C-6	TiN Coated
SPC-42ZR	1/2	1/8	4.95	5.30	6.35



## SNMG SQUARE — NEGATIVE RAKE WITH CHIP CONTROL

Insert Number	I.C.	Thickness	Radius	Price Each		
				C-2	C-5 & C-6	TiN Coated
SNMG-322	3/8	1/8	1/32	2.15	2.38	2.96
SNMG-323	3/8	1/8	3/64	2.15	2.38	2.96
SNMG-432	1/2	3/16	1/32	3.27	3.75	4.60
SNMG-433	1/2	3/16	3/64	3.27	3.75	4.60
SNMG-434	1/2	3/16	1/16	3.27	3.75	4.60
SNMG-543	5/8	1/4	3/64	4.99	5.75	6.60
SNMG-642	3/4	1/4	1/32	6.47	7.43	9.60
SNMG-643	3/4	1/4	3/64	6.47	7.43	9.60
SNMG-644	3/4	1/4	1/16	6.47	7.43	9.60
SNMG-866	1	3/8	3/32	15.33	17.99	21.25



## SEC SQUARE — 20° POSITIVE RAKE GROUND ALL OVER

Insert Number	I.C.	Thickness	Price Each		
			C-2	C-5 & C-6	TiN Coated
SEC-422	1/2	1/8	6.18	6.50	7.40



## SPGH SQUARE — POSITIVE RAKE GROUND ALL OVER CHIP GROOVE ONE SIDE

Insert Number	I.C.	Thickness	Radius	Price Each		
				C-2	C-5 & C-6	TiN Coated
SPGH-433	1/2	3/16	3/64	9.45	9.95	11.95

Aluminum Oxide Coating (Al<sub>2</sub>O<sub>3</sub>) available, add 40% to TiN Coated List Price.