



MADE IN U.S.A.

CARBIDE INSERTS

Ceramic inserts available.
Please inquire.



RNG ROUND — NEGATIVE RAKE
GROUND ALL OVER

Insert Number	Dia. ± .001	Thickness	Price Each		
			C-2	C-5 & C-6	TiN Coated
RNG-32	3/8	1/8	2.55	2.79	3.31
RNG-42	1/2	1/8	3.24	3.50	4.10
RNG-43	1/2	3/16	4.10	4.49	5.22



RPG ROUND — POSITIVE RAKE
GROUND ALL OVER

Insert Number	Dia. ± .001	Thickness	Price Each		
			C-2	C-5 & C-6	TiN Coated
RPG-42	1/2	1/8	4.40	4.95	5.90



RNMA ROUND — NEGATIVE RAKE
LAPPED TOP AND BOTTOM
WITH HOLE

Insert Number	Dia. ± .001	Thickness	Price Each		
			C-2	C-5 & C-6	TiN Coated
RNMA-32	3/8	1/8	1.55	1.78	2.57
RNMA-43	1/2	3/16	2.05	2.48	3.30
RNMA-64	3/4	1/4	4.65	5.40	6.82
RNMA-86	1	3/8	11.15	12.90	15.80
RNMA-106	1-1/4	3/8	16.30	18.85	23.35



RNMG ROUND — NEGATIVE RAKE
WITH CHIP CONTROL

Insert Number	Dia. ± .001	Thickness	Price Each		
			C-2	C-5 & C-6	TiN Coated
RNMG-32	3/8	1/8	1.79	2.08	2.67
RNMG-43	1/2	3/16	2.52	2.79	3.75
RNMG-54	5/8	1/4	4.08	4.70	5.38
RNMG-64	3/4	1/4	5.35	6.10	8.07
RNMG-86	1	3/8	11.99	13.75	17.25
RNMG-106	1-1/4	3/8	17.38	19.99	24.00



DNMG 55° DIAMOND — NEGATIVE RAKE
WITH CHIP CONTROL

Insert Number	I.C.	Thickness	Radius	Price Each	
				C-5 & C-6	TiN Coated
DNMG-431	1/2	3/16	1/64	6.12	6.55
DNMG-432	1/2	3/16	1/32	6.12	6.55
DNMG-532	5/8	3/16	1/32	7.99	8.69
DNMG-533	5/8	3/16	3/64	7.99	8.69
DNMG-542	5/8	1/4	1/32	9.70	10.70
DNMG-543	5/8	1/4	3/64	9.70	10.70



VNMG 35° DIAMOND — NEGATIVE RAKE
WITH CHIP CONTROL

Insert Number	I.C.	Thickness	Radius	Price Each	
				C-5 & C-6	TiN Coated
VNMG-331	3/8	3/16	1/64	5.75	6.20
VNMG-332	3/8	3/16	1/32	5.75	6.20
VNMG-333	3/8	3/16	3/64	5.75	6.20
VNMG-431	1/2	3/16	1/64	6.63	7.68
VNMG-432	1/2	3/16	1/32	6.63	7.68



CNMG 80° DIAMOND — NEGATIVE
LAPPED WITH HOLE AND
CAST CHIPBREAKER

Insert Number	I.C.	Thickness	Radius	Price Each		
				C-2	C-5 & C-6	TiN Coated
CNMG-431	1/2	3/16	1/64	3.45	3.81	4.35
CNMG-432	1/2	3/16	1/32	3.45	3.81	4.35
CNMG-433	1/2	3/16	3/64	3.45	3.81	4.35
CNMG-542	5/8	1/4	1/32	—	6.36	8.19
CNMG-543	5/8	1/4	3/64	—	6.36	8.19
CNMG-643	3/4	1/4	3/64	—	8.24	10.83
CNMG-644	3/4	1/4	1/16	—	8.24	10.83



CNMP 80° DIAMOND — 5° POSITIVE
LAPPED WITH HOLE
AND CAST CHIPBREAKER

Insert Number	I.C.	Thickness	Radius	Price Each	
				C-5 & C-6	TiN Coated
CNMP-431	1/2	3/16	1/64	4.70	5.40
CNMP-432	1/2	3/16	1/32	4.70	5.40
CNMP-642	3/4	1/4	1/32	10.45	12.02
CNMP-643	3/4	1/4	3/64	10.45	12.02



CTA 87° PARALLELOGRAMS
ALL SURFACES GROUND

Insert Number	Please Specify Radii					I.C.	Thickness	Price Each		
	1/64	1/32	3/32	1/8	—			C-2	C-5	TiN Coated
CTA-2*	1/64	1/32	3/32	1/8	—	.355	5/32	5.20	5.50	6.25
CTA-4	—	1/32	3/32	1/8	—	.460	3/16	6.37	6.60	7.50
CTA-6	—	1/32	3/32	1/8	—	.685	3/16	8.95	9.50	12.55
CTA-8	—	1/32	3/32	1/8	1/4	.750	3/16	10.25	11.30	13.15

* 88° Parallelogram



CHIPBREAKERS

Part Number	I.C.	Effective Width	Price Each
CBT12	3/8	.129	2.95
CBT12N	3/8	.080	2.95
CBT12F	3/8	.056	2.95
CBT16	1/2	.190	3.30

Part Number	I.C.	Effective Width	Price Each
CBT16N	1/2	.100	3.85
CBT16F	1/2	.054	3.95
CBT20	5/8	.190	4.25
CBT20N	5/8	.100	4.50



SHIMS

Part Number	Dimensions		Positive or Negative Width	Screw Size	Price Each
	I.C.	T			
SM41	3/8	1/8	P	4-40	3.25
SM48	3/8	3/16	N	4-40	3.50
SM26	1/2	1/8	N	8-32	3.75
SM37	1/2	1/8	P	8-32	3.99

Aluminum Oxide Coating (Al₂O₃) available, add 40% to TiN Coated List Price.