

## Niko's Mini-Drills



Introducing Niko's unique "Mini-Drills" that utilize a single standard CCMT insert. Finally, a drill that lets you drill from a solid, bore, internal turn and face without being locked into a special high priced insert or single source. Designed to fit directly into turret, or 1" Boring Bar adapter.



Drill Designation	OD	D1	LT	L1	L2	Insert Style	Key	Torx Screw	Order No.	YOUR CHOICE SALE
D-3/8	.375	1.380	3.620	1.000	1.870	CCMT 2-100	T-8	VT25	FG40-D38	<b>\$89.00</b>
D-1/2	.500	1.380	3.820	1.200	2.070	CCMT 2-100	T-8	VT25	FG40-D12	
D-5/8	.625	1.380	4.600	2.000	2.850	CCMT 3-100	T-15	VT40	FG40-D58	

\*All drills supplied with coolant hole

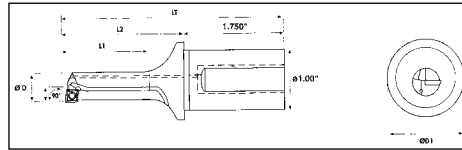
### Insert Selection For Mini Drills

Grade: PC300



Insert Style	Order No.	SALE
CCMT2-1	FF48-30000	<b>\$4.80</b>
CCMT2-2	FF48-30010	<b>4.80</b>
CCMT3-1	FF48-30020	<b>5.90</b>
CCMT3-2	FF48-30030	<b>5.90</b>

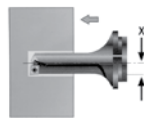
Inserts also available in Iscar and Valenite standards.



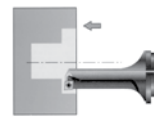
For OD 3/8" tool must be .060" off center X = .060"  
 For OD 1/2" tool must be .020" off center X = .020"  
 For OD 5/8" tool must be .050" off center X = .050"

Actual Bore Produced
3/8" = .490
1/2" = .530
7/8" = .725

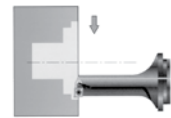
Drill from solid



Internal Facing and Turning



Boring



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## Indexable Lathe Turning Tool Sets with Inserts



### EFFICIENCY:

A versatile and economical way to replace carbide tipped tool bits. Each tool cuts right, left, or plunges. Positive rake cutting and built-in chip breaker groove. Inserts available with 2 different radii (.015 standard / .032 optional). **Grade C5 Carbide**

Sets Contain 1 Each of the Following:

**STYLE AR** — Right Hand — suitable for machining to a 90° square shoulder.

**STYLE AL** — Left Hand — suitable for facing to a square shoulder.

**STYLE BR** — Right Hand 15° Lead Angle — for rough turning where a square shoulder is not required.

**STYLE BL** — Left Hand 15° Lead Angle — for rough facing to center or where no shoulder is needed.

**STYLE E** — Neutral Threading Tool 60° included angle; used for U.S. Standard universal threading, V-grooving, chamfering, turning, boring and facing.

E



Shank Size	Insert No.*	Order No.	SALE
3/8" Square	TT-221C5	GA52-BICT6	<b>\$100.00</b>
1/2" Square	TT-321C5	GA52-BICT8	<b>110.00</b>
3/8" Square	TT-321C5	GA52-BICT10	<b>120.00</b>
3/4" Square	TT-321C5	GA52-BICT12	<b>135.00</b>
1" Square	TT-431C5	GA52-BICT16	<b>155.00</b>

\*TiN Coated Inserts Also Available Separately.

11° Positive Inserts

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## Indexable Flexmill Countersink/Chamfering Tool

Capable of countersinking or chamfering angles from 10° to 80° with a simple Torx Key adjustment.

3/4" Shank Flexmill — 4" O.A.L., .200 Min Dia., 1.0 Max Dia.

**Includes:** T-8 Torx Key, T-20 and standard TCMT 2-1 TiN coated insert with each mill

Order No. FG40-330W750 • Regular Price \$195.00

**SALE \$149<sup>00</sup>**

1" Shank Flexmill — 4" O.A.L., .200 Min Dia., 1.250 Max Dia.

**Includes:** T-15 Torx Key, 4mm wrench, Standard TCMT 3-1 TiN coated insert with each mill

Order No. FG40-340W100 • Regular Price \$210.00

**SALE \$159<sup>00</sup>**



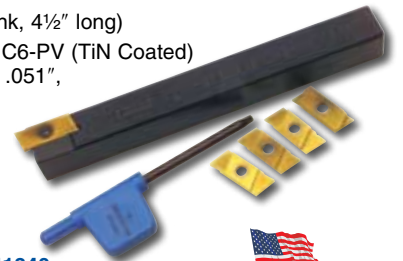
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## NIKOLE MINI-SYSTEMS™ Carbide Indexable Grooving & Cut-Off Kit

### Set Includes:

- (1) Toolholder (1/2" sq. shank, 4 1/2" long)
- (5) Carbide inserts, grade C6-PV (TiN Coated) in widths, .035", .043", .051", .063", .073"
- (1) Torx screw & Torx key
- (1) Fitted Case



Order No. FG40-41340

**SALE \$105<sup>00</sup>**



E

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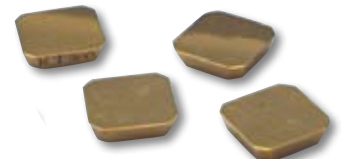
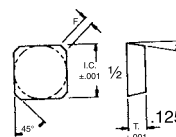
## SEAN-42-AFTN Inserts Grade PC-300M

Gold coated grade designed for milling steel at high speeds & feeds.

Order No. FF70-30120  
 Regular Price \$11.25

**SALE \$9<sup>00</sup>**

SEAN-42-AFTN  
 GRADE — PC-300M



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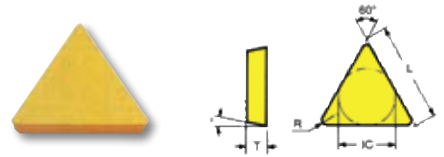
## Indexable Carbide Inserts

**THE #1 SELLING TURNING INSERT**

### TPG - Triangle Positive Ground All Over

Insert Style	Dimensions				PC5 Order No.	Regular Price	SALE	PC300 Order No.	Regular Price	SALE
	I.C.	L	T	R						
TPG-220	1/4	.433	1/8	.000	FF50-52810	\$4.60	<b>\$2.90</b>	FF50-32810	\$5.50	<b>\$3.60</b>
TPG-221	1/4	.433	1/8	.016	FF50-52820	4.60	<b>2.90</b>	FF50-32820	5.50	<b>3.60</b>
TPG-222	1/4	.433	1/8	.031	FF50-52830	4.60	<b>2.90</b>	FF50-32830	5.50	<b>3.60</b>
TPG-320	3/8	.650	1/8	.000	FF50-52840	5.30	<b>3.45</b>	FF50-32840	6.35	<b>4.00</b>
TPG-321	3/8	.650	1/8	.016	FF50-52850	5.30	<b>3.45</b>	FF50-32850	6.35	<b>4.00</b>
TPG-322	3/8	.650	1/8	.031	FF50-52860	5.30	<b>3.45</b>	FF50-32860	6.35	<b>4.00</b>
TPG-323	3/8	.650	1/8	.047	FF50-52870	5.30	<b>3.45</b>	FF50-32870	6.35	<b>4.00</b>
TPG-324	3/8	.650	1/8	.063	FF50-52880	5.30	<b>3.45</b>	FF50-32880	6.35	<b>4.00</b>
TPG-328	3/8	.650	1/8	.125	FF50-52890	5.30	<b>3.45</b>	FF50-32890	6.35	<b>4.00</b>
TPG-332	3/8	.650	3/16	.031	FF50-52900	6.50	<b>4.25</b>	FF50-32900	7.75	<b>5.00</b>
TPG-333	3/8	.650	3/16	.047	FF50-52910	6.50	<b>4.25</b>	FF50-32910	7.75	<b>5.00</b>
TPG-430	1/2	.866	3/16	.000	FF50-52920	6.50	<b>4.25</b>	FF50-32920	8.85	<b>4.75</b>
TPG-431	1/2	.866	3/16	.016	FF50-52930	6.50	<b>4.25</b>	FF50-32930	8.85	<b>4.75</b>
TPG-432	1/2	.866	3/16	.031	FF50-52940	6.50	<b>4.25</b>	FF50-32940	8.85	<b>4.75</b>
TPG-433	1/2	.866	3/16	.047	FF50-52950	6.50	<b>4.25</b>	FF50-32950	8.85	<b>4.75</b>
TPG-434	1/2	.866	3/16	.063	FF50-52960	6.50	<b>4.25</b>	FF50-32960	8.85	<b>4.75</b>
TPG-438	1/2	.866	3/16	.125	FF50-52970	6.50	<b>4.25</b>	FF50-32970	8.85	<b>4.75</b>

**Carbide Grades**  
**PC2** - (C2) General purpose for cast iron and non-ferrous metals (exotics)  
**PC5** - (C5) Steel cutting  
**PC300** - (C5 Coated) TiN-TiC-TiN Steel cutting at higher speeds with greater lubricity  
**PC200** - (C2 Coated) Aluminum oxide coated for cast iron and non-ferrous metals (exotics)



- Single-sided, ground all over without chipformer.
- Positive cut, low cutting forces.



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## Brazed Carbide Tipped Tool Bits

- C2 - For cast iron and non-ferrous materials
- C6 - Steel cutting grade

**OVERSTOCK SALE**

**SAVE OVER 25%**

Style AR & AL • No Lead Angle For Turning to Square Shoulder



Style BR & BL • 15° "Lead Angle" Turning Tools For When Square Shoulder is not required



Shank Dimensions		AR-Right Hand - Order No.		AL - Left Hand - Order No.		Regular Price	SALE	
		C2	C6	C2	C6			
1/4	1/4	1 3/4	FE50-AR4C2	FE50-AR4C6	FE50-AL4C2	FE50-AL4C6	\$2.75	<b>\$1.90</b>
5/16	5/16	2 1/4	FE50-AR5C2	FE50-AR5C6	FE50-AL5C2	FE50-AL5C6	2.85	<b>2.00</b>
3/8	3/8	2 1/2	FE50-AR6C2	FE50-AR6C6	FE50-AL6C2	FE50-AL6C6	2.85	<b>2.00</b>
7/16	7/16	3	FE50-AR7C2	FE50-AR7C6	FE50-AL7C2	—	2.85	<b>2.00</b>
1/2	1/2	3 1/2	FE50-AR8C2	FE50-AR8C6	FE50-AL8C2	FE50-AL8C6	3.45	<b>2.60</b>
5/8	5/8	4	FE50-AR10C2	FE50-AR10C6	FE50-AL10C2	FE50-AL10C6	4.25	<b>3.40</b>
3/4	3/4	4 1/2	FE50-AR12C2	FE50-AR12C6	FE50-AL12C2	FE50-AL12C6	6.40	<b>5.00</b>
1	1	7	FE50-AR16C2	FE50-AR16C6	FE50-AL16C2	FE50-AL16C6	12.35	<b>9.85</b>

Shank Dimensions		BR-Right Hand - Order No.		BL-Left Hand - Order No.		Regular Price	SALE	
		C2	C6	C2	C6			
1/4	1/4	1 1/2	FE50-BR4C2	FE50-BR4C6	FE50-BL4C2	FE50-BL4C6	\$2.75	<b>\$1.90</b>
5/16	5/16	2 1/4	FE50-BR5C2	FE50-BR5C6	FE50-BL5C2	FE50-BL5C6	2.85	<b>2.00</b>
3/8	3/8	2 1/2	FE50-BR6C2	FE50-BR6C6	FE50-BL6C2	FE50-BL6C6	2.85	<b>2.00</b>
7/16	7/16	3	FE50-BR7C2	FE50-BR7C6	FE50-BL7C2	FE50-BL7C6	2.85	<b>2.00</b>
1/2	1/2	3 1/2	FE50-BR8C2	FE50-BR8C6	FE50-BL8C2	FE50-BL8C6	3.45	<b>2.60</b>
5/8	5/8	4	FE50-BR10C2	FE50-BR10C6	FE50-BL10C2	FE50-BL10C6	4.25	<b>3.40</b>
3/4	3/4	4 1/2	FE50-BR12C2	FE50-BR12C6	FE50-BL12C2	FE50-BL12C6	6.40	<b>5.00</b>
1	1	7	FE50-BR16C2	FE50-BR16C6	FE50-BL16C2	FE50-BL16C6	12.35	<b>9.85</b>

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## MICRO 100 Brazed Head Thread Mills



- Designed for milling precision I.D. and O.D. threads in all types of steels, non-ferrous metals and exotic materials
- Equally effective in laminated plastics, fiberglass and composites used in the aircraft industry
- Thread form generated is American Standard thread
- Minimum pitch listed is for an internal thread



Cutter Dia.	Shank Dia.	Shank Length	Flat	No. of Flutes	Min. Pitch	Max. Pitch	Order No.	SALE
3/8	1/4	2-1/2	.002	4	32	20	GE45-TM375	<b>\$ 63.00</b>
1/2	5/16	2-1/2	.0035	5	20	16	GE45-TM500	<b>78.00</b>
3/4	3/8	2-1/2	.0045	6	16	8	GE45-TM750	<b>98.00</b>
1	1/2	3	.009	7	8	4	GE45-TM001	<b>128.00</b>



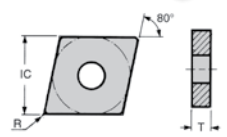
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## CNMG - 80° Diamond Negative With Molded Chipbreaker

Double sided for semi-roughing and roughing. For a wide range of materials and machining conditions.



**Grades**  
 PC-5 for steel cutting  
 PC-300 Gold coated grade on a tough thermal substrate.  
 Designed for milling steel at higher speeds.



Style / Grade	Order No.	Regular Price	SALE
CNMG-431 PC5	FF50-50150	\$4.80	<b>\$3.00</b>
CNMG-432 PC5	FF50-50160	4.80	<b>3.00</b>
CNMG-431 PC300	FF50-30150	5.90	<b>3.50</b>
CNMG-432 PC300	FF50-30160	5.90	<b>3.50</b>



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