



Inserts

- 6 cutting edges
- Contact area increased 2x compared to WNMG inserts
- 6 unique chip breakers
- 14 grades (coated carbide, cermet & coated cermet)
- Nose radii: .016", .031" & .047"
- Inserts are compatible with T-Type and M-Type holders (although H-Type is recommended for maximum performance)
- Maximum recommended DOC of .138"/side

Holders

- Very stable clamping with H-Type holders
- External: .625", .750" & 1.00" shanks
- Internal: .625", .750", 1.00" & 1.25" shanks (all coolant through)
- C4 Capto*



NEW WNMX INSERTS Featuring Improved Stability

Ingersoll is pleased to announce the latest addition to the dynamic Gold-Rhino™ product line. The WNMX trigon-shaped inserts offer 6 cutting edges and are a perfect extension of the economical Gold-Rhino family. All inserts feature a .187" thickness which is the same as comparable 1/2" I.C. inserts.

Each WNMX insert provides improved stability compared to existing WNMG inserts with the same I.C. This is achieved by increasing the surface contact area across the ground top & bottom surfaces, which prevents the inserts from moving during the cut. The result is longer & more consistent tool life, particularly in applications with interrupted cuts.

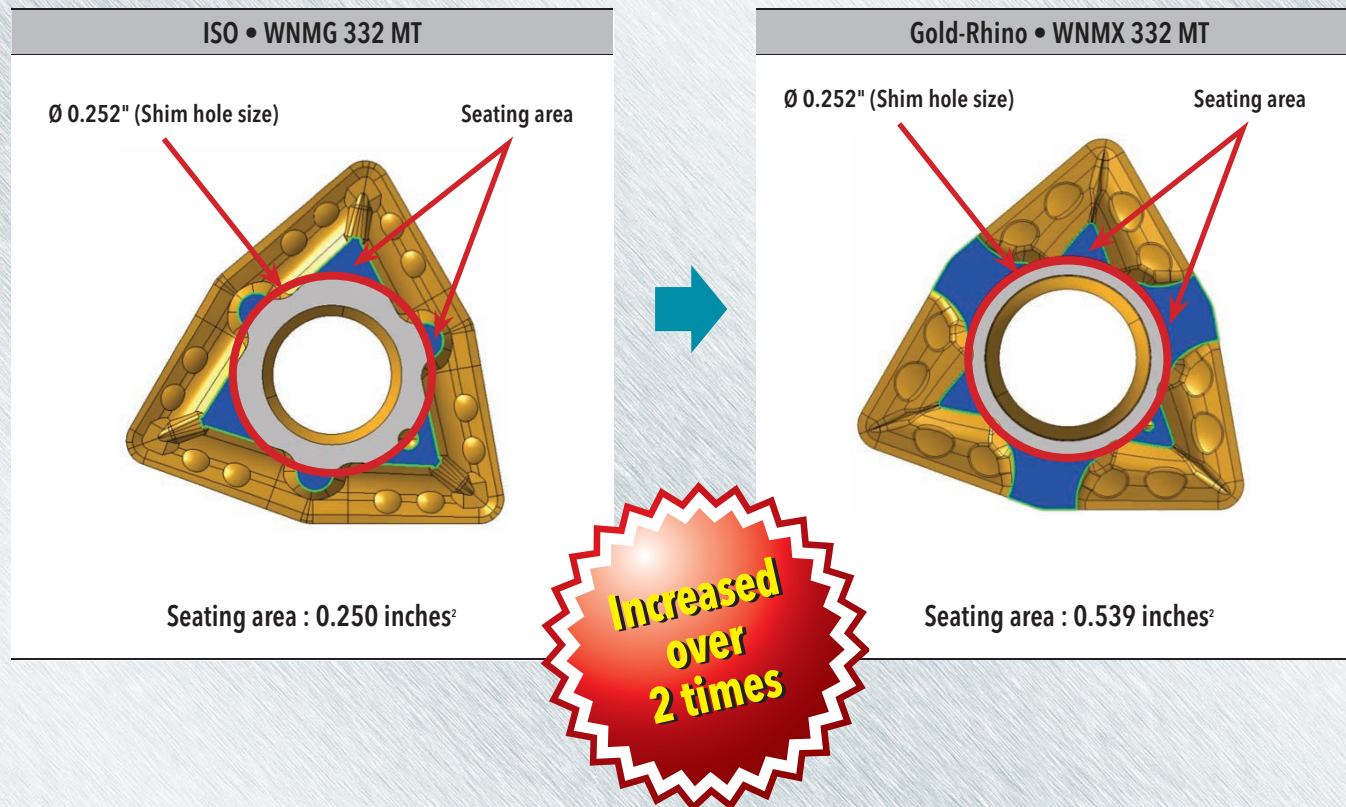
Strong clamping is another key feature of this Gold-Rhino addition, with the H-Type "hook lever" style holders providing multidirectional clamping forces when secured to the holder. The combination of increased surface contact area and strong, hook lever clamping make Gold-Rhino the ideal choice for high performance in an economically priced insert.

*The trademark COROMANT CAPTO® is owned by Sandvik Intellectual Property AB.

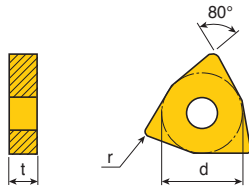


SEATING AREA COMPARISON







ISO WNMG 33x VS. Gold-Rhino WNMX 33x



WNMX Negative 80° trigon inserts

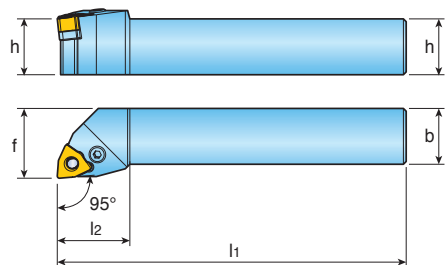



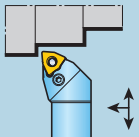

Size	Dimension (inch)		
	d	t	r
WNMX 331	0.375	0.187	0.016
WNMX 332			0.031
WNMX 333			0.047

Insert	Designation	feed (ipr)	ap (inch)	Cermet		CVD coated								PVD coated			
				PV3010	CT3000	TT7005	TT7015	TT8115	TT8125	TT8135	TT9215	TT9225	TT9235	TT5100	TT5080	TT8020	TT9080
 For Finishing	WNMX 331 (060404) FG	.003 - .012	.008 - .079	●	●			●	●					●	●		
	332 (060408) FG	.004 - .014	.020 - .079	●	●			●	●								
 For Finishing	WNMX 331 (060404) FM	.003 - .012	.010 - .079		●			●	●					●			
	332 (060408) FM	.004 - .014	.012 - .079		●			●	●					●			
	333 (060412) FM	.006 - .016	.014 - .079		●			●	●					●			
 For Medium	WNMX 331 (060404) EM	.004 - .014	.016 - .138								●	●	●		●		●
	332 (060408) EM	.005 - .016	.020 - .138								●	●	●		●		●
	333 (060412) EM	.006 - .016	.028 - .138								●	●	●		●		●
 For Medium	WNMX 331 (060404) MM	.006 - .018	.016 - .138								●	●	●		●		●
	332 (060408) MM	.008 - .020	.020 - .138						●		●	●	●	●	●	●	●
	333 (060412) MM	.009 - .020	.028 - .138								●	●	●		●		●
 For Medium	WNMX 331 (060404) MT	.004 - .014	.031 - .138					●	●		●	●	●	●	●		
	332 (060408) MT	.006 - .018	.039 - .138			●	●	●	●		●	●	●	●	●		
	333 (060412) MT	.008 - .022	.047 - .138			●	●	●	●					●			
 For Medium	WNMX 331 (060404) PC	.004 - .012	.016 - .138					●	●								
	332 (060408) PC	.006 - .016	.020 - .138					●	●								●
	333 (060412) PC	.007 - .020	.024 - .138					●	●								●



● : Standard items

HWLNR/L Hook Lever Type

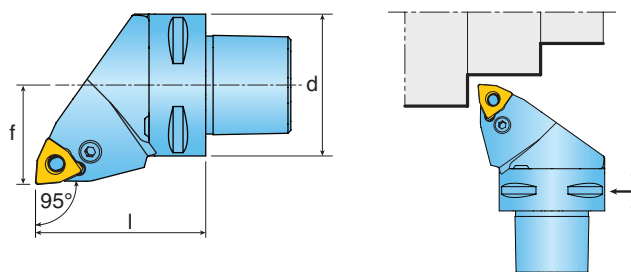











Designation		Dimension (inch)					Insert
		h	b	l1	l2	f	
	HWLNR/L 10-33A	.625	.625	4.0	.945	.750	WNMX 33 
	HWLNR/L 12-33B	.750	.750	4.5	1.024	1.000	
	HWLNR/L 16-33D	1.000	1.000	6.0	1.024	1.250	

Spare Parts

Designation	Lever	Screw	Components Shim	Shim Pin	Wrench	Shim Pin Punch
WNMX 33 	 LCL 09-NX	 LCS 3	 LSW 32A	 LSP 3A	 L-W 2.5	 SPP 3-4

C4-HWLNR/L *

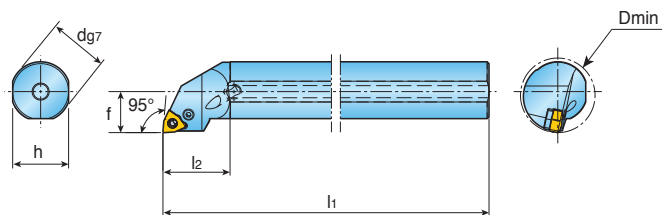



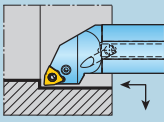

Designation	Dimension (mm)			Insert	Lever	Screw	Components		Nozzle	Wrench	Shim Pin Punch
	d	f	l								
C4-HWLNR/L 27050-06	40	27	50	WNMX 33 	LCL 09-NX	LCS 3	LSW 32A	LSP 3A	NZ 83	L-W 2.5	SPP 3-4

*Compatible with Sandvik's COROMANT CAPTO® (**) system.

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A-HWLNR/L Hook Lever Type (Coolant Through)



Designation		Dimension (inch)						Insert
		dg7	h	l1	l2	f	Dmin	
	A10R - HWLNR/L -33	.625	.583	8.0	1.181	.406	.750	WNMX 33 
	A12S - HWLNR/L -33	.750	.669	10.0	1.299	.500	1.000	
	A16T - HWLNR/L -33	1.000	.921	12.0	1.417	.640	1.250	
	A20U - HWLNR/L -33	1.250	1.170	14.0	1.417	.765	1.500	

HWLNR = Right Hand HWLNL = Left Hand

Spare Parts

Designation	Components						
	Lever	Screw	Shim	Shim Pin	Snap Ring	Wrench	Shim Pin Punch
A10R - HWLNR/L -33							
A12S - HWLNR/L -33	LCL 09B-NX	LCS 3B	-	-	LSR 3B	L-W 2	-
A16T - HWLNR/L -33							
A20U - HWLNR/L -33	LCL 09-NX	LCS 3	LSW 32	LSP 3A	-	L-W 2.5	SPP 3-4