



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 T-Tank product line. The WNMX trigon-shaped inserts offer 6 cutting edges and are a perfect extension of the economical T-Tank 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.

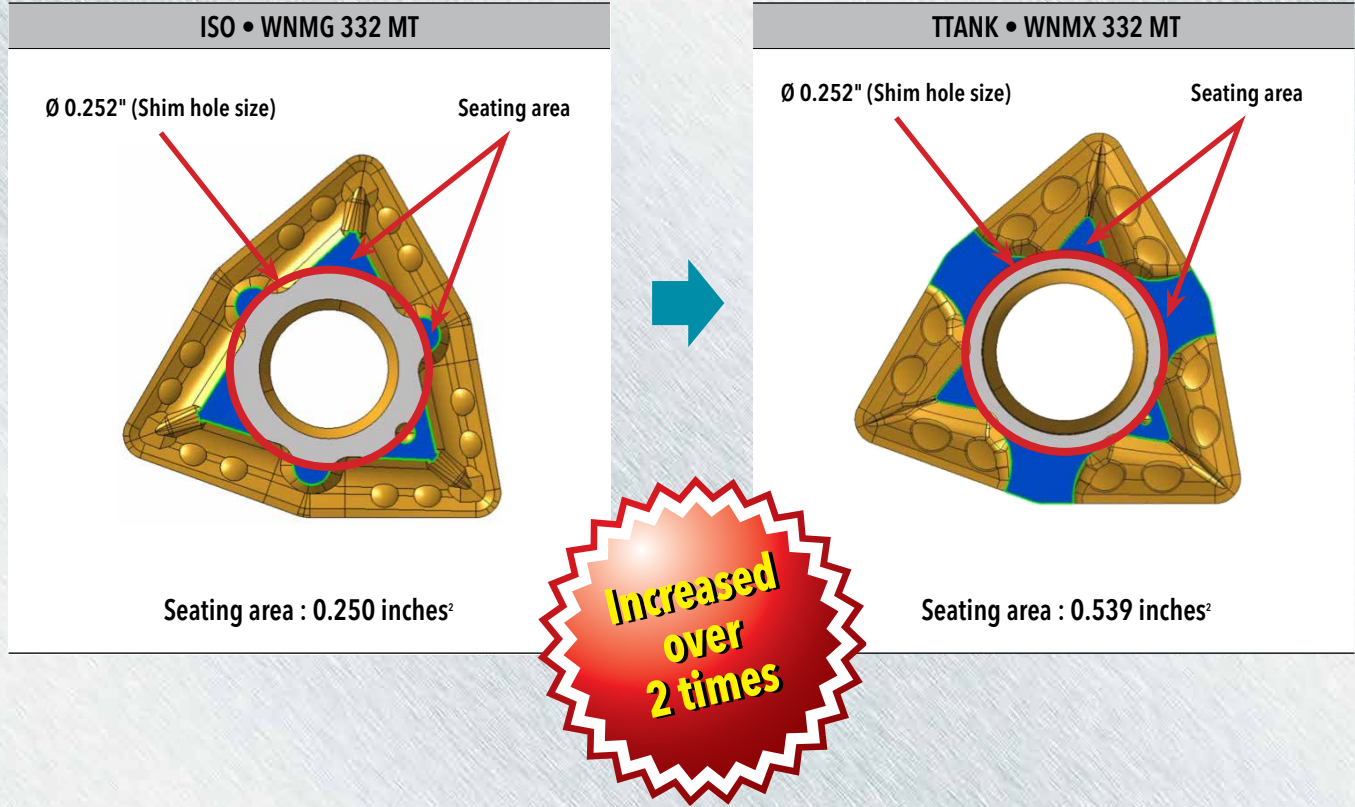
Strong clamping is another key feature of this T-Tank addition, with the H-Type "hook lever" style holders providing multidirectional clamping forces when secured to the holder. The combination of increased surface contact area and strong, hook lever clamping make T-Tank the ideal choice for high performance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

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

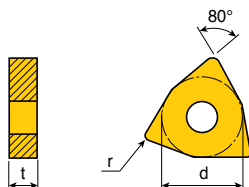


SEATING AREA COMPARISON







ISO WNMG 33x VS. TTANK WNMX 33x



WNMX Negative 80° trigon inserts

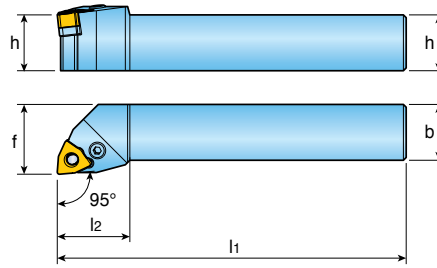


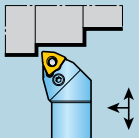
Size	Dimension (inch)		
	d	t	r
WNMX 331	0.375	0.187	0.016
WNMX 332			0.031
WNMX 333			0.047

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

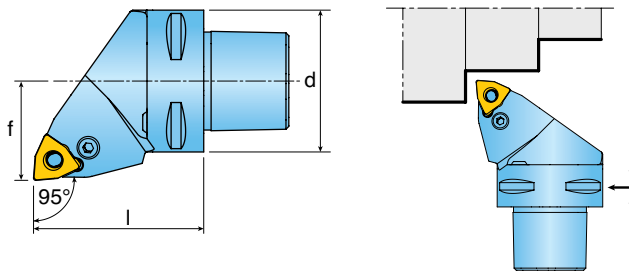


Designation	Dimension (inch)					Insert
	h	b	l ₁	l ₂	f	
 HWLNR/L 10-33A	.625	.625	4.0	.945	.750	WVMX 33 □
HWLNR/L 12-33B	.750	.750	4.5	1.024	1.000	
HWLNR/L 16-33C	1.000	1.000	6.0	1.024	1.250	

Spare Parts

Designation	Lever	Screw	Components Shim	Shim Pin	Wrench
	WVMX 33 □	 LCL 09-NX	 LCS 3	 LSC 32	 LSP 3A

C4-HWLNR/L *

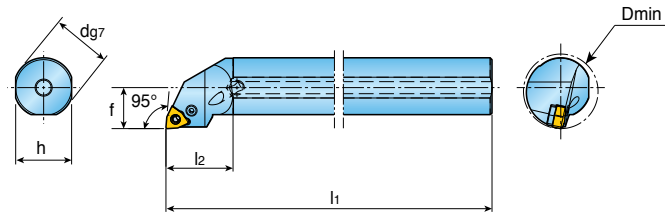


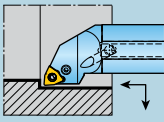
Designation	Dimension (mm)			Insert	Lever	Screw	Components		Nozzle	Wrench	Shim Pin Punch
	d	f	l				Shim	Shim Pin			
C4-HWLNR/L 27050-06	40	27	50	WVMX 33 □	LCL 09-NX	LCS 3	LSW 32A	LSP 3A	NZ 83	L-W 2.5	SPP 3-4

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

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



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

HWLNLR = Right Hand HWLNLL = Left Hand

Spare Parts

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