

TOFORCE

50MM CUTTING EDGE

**FOR LARGER PART MACHINING IN THE
WIND POWER, SHIPBUILDING AND
POWER PLANT INDUSTRIES**

Insert Styles:

LNMX

Holder:

2PLBNR/L - 2" Shanks

Feed Rates:

.025~.063

Cutting

Depths: .197"~1.77"

Grades:

TT8125

TT7100



Ingersoll has launched its new 50mm turning insert for the rough machining of large parts on high-powered machines. The ISO type HD and HY chipbreaker inserts have been widely used in the heavy machining industries thanks to their strong cutting edges and stable chip breaking.

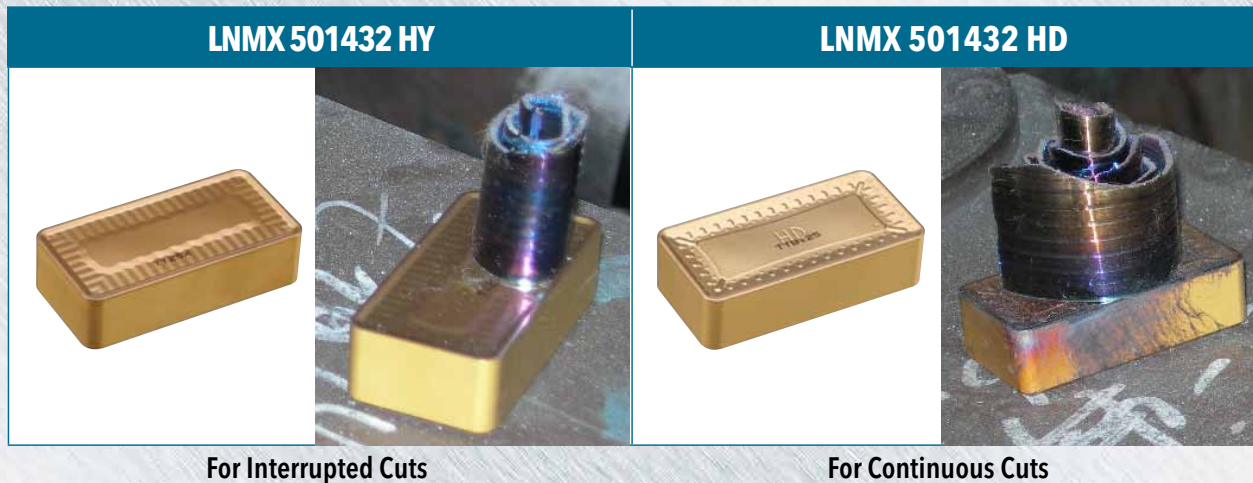
With these innovative geometries, Ingersoll has now developed a 50mm cutting edge for machining depths of cut up to 45mm (1.77"). This delivers outstanding productivity, cost reductions and cycle time improvements.

Unlike competitors' single-hole clamping systems, the new insert design has two blind holes and a lever clamping system to provide strong and stable clamping forces and excellent machining quality while preventing unexpected damage.

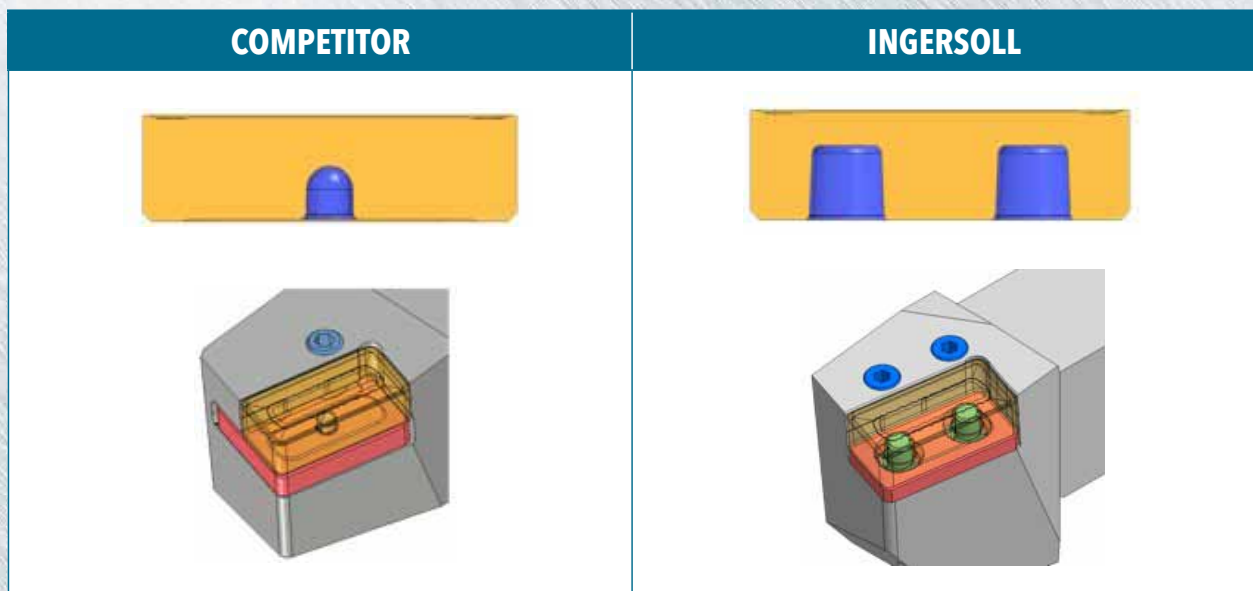
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FEATURES

- 50mm (1.97") cutting edge allows up to 45mm (1.77") depth of cut
- Rectilinear shaped cutting edge ideal for heavy roughing on high-powered machines
- HY insert suitable for interrupted cutting
- HD insert suitable for continuous machining

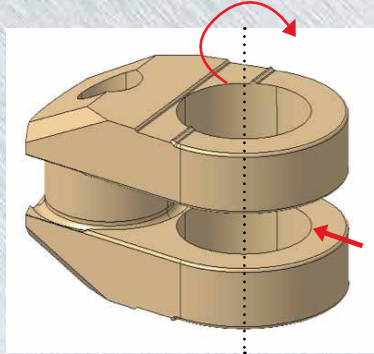


- Two blind holes utilize a dual-lever clamping system that provides simple but strong clamping forces without reducing stability



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TEST RESULT 1 : CRANK THROW



CRACK

Tool Maker	Insert	Cutting conditions		
		RPM	f (ipr)	DOC (inch)
Competitor	LNUX501030	10	.040	1.15~1.40
Ingersoll	LNMX 501432 HY	11~13	.044	1.15~1.40



TEST RESULT 2 : CONNECTING ROD

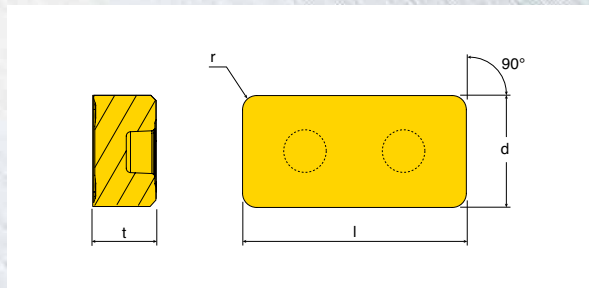


Tool Maker	Insert	Cutting conditions		
		RPM	f (ipr)	DOC (inch)
Competitor	LNUX501030	30~35	.028~.040	1.15~1.40
Ingersoll	LNMX 501432 HD	40~45	.031~.051	1.40~1.75



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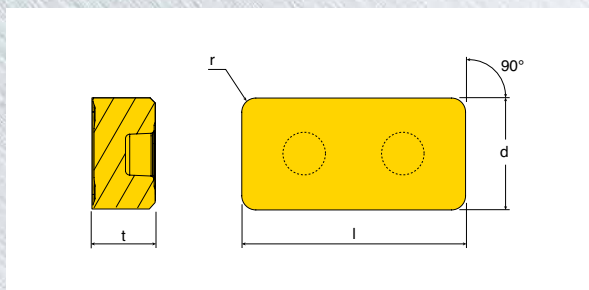
■ LNMX HD



ANSI Designation	ISO Designation	feed (ipr)	DOC (inch)	Dimensions (inch)				Grade	TT8125	TT7100
				d	l	t	r			
LNMX 501432HD	LNMX 501432 HD	.028-.063	.236-1.57	1.00	2.00	.559	.126	●	●	

● = P ● = M ● = K ● = N ● = S ○ = H

■ LNMX HY

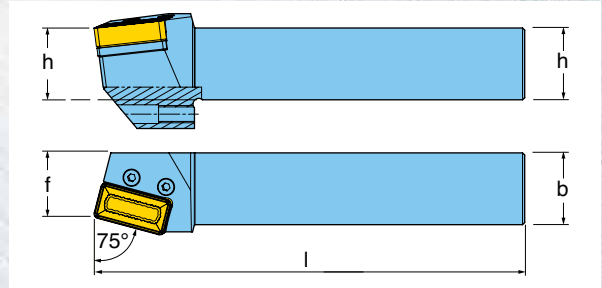
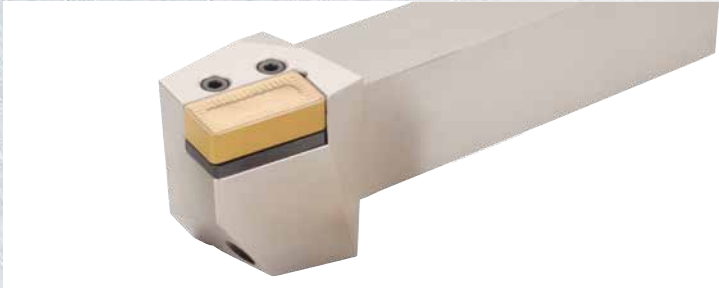


ANSI Designation	ISO Designation	feed (ipr)	DOC (inch)	Dimensions (inch)				Grade	TT8125	TT7100
				d	l	t	r			
LNMX 501432HY	LNMX 501432 HY	.025-.059	.197-1.57	1.00	2.00	.559	.126	●	●	

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2PLBNR/L



DESIGNATION	Dimensions (inch)				Insert	Lever	Screw	Shim	Shim Pin	Set Screw	Wrench
	h	b	l	f							
2PLBNR/L32-T5014	2.00	2.00	12.00	1.77	LNMX	LCL 8	LCS 8-L43	LN 5025-T6.35	LSP 8	SS M12X1.75X25	L-W 5

Availability

In stock

Price

Available in the GAL system