

MILLING INSERTS · 90° SQUARE SHOULDER

LNHX

Tangential insert for square shoulder milling: mounted flat, it withstands high cutting forces.



KEY DATA

Product type	Milling Inserts
ISO materials	P steel M stainless K cast iron S superalloys
Operation	Roughing
INNOT grades	IT5120 ★ · IT5130 ★ · IT7140 ★ recommended
Nose radii	R0.4 · R0.8
Online page	innot-it.com/en/prodotto/lnhx

Specifications

Code	L	W1	S	D1	RE	APMX
LNHX090404R-GM	9	8.5	4.5	3.4	0.4	8
LNHX130608R-GM	13	11.8	6.8	4.55	0.8	12

Dimensions in mm. IC = inscribed circle, S = thickness, D1 = hole, BS = wiper flat, RE = corner radius, AN = clearance angle, APMX = maximum depth of cut.

Technical data

Operation	Milling - 90° square shoulder
Shape	Tangential
ISO material	P (steels), M (stainless steels), K (cast irons), S (superalloys and titanium)
Features	Tangential insert: the strong section lies in the direction of the cutting force, for heavy shoulders with great reliability.
Compatible cutters	Indexable cutters with LNHX seat: send us your cutter code and we will check compatibility.

Available INNOT grades

Grade	ISO	Coating	Composition	Application
IT5120 ★	P · M · K	PVD	TiAlN + CrAlN + TiSiN	Universal grade for steels, stainless steels and cast irons, also ideal on materials of 35-50 HRC. Excellent wear resistance and toughness, high hot hardness.
IT5130 ★	P · M	PVD	AlTiN	High-efficiency milling of steels and stainless steels below 30 HRC. Specially formulated substrate that reduces the risk of chipping, with a latest-generation nano coating.
IT7140	M · S	PVD	AlCrN	Milling of stainless steels, titanium alloys and superalloys. Substrate with special micro-elements: excellent toughness and high-temperature performance.

★ Recommended grade. Other grades are available on request.

Cutting data

Cutting data depend on cutter, machine and material: we send them to you with the quote, calculated for your part.

INNOT · CUTTING TOOLS FOR CNC MACHINE SHOPS

Quote within 30 minutes

Send us the code or the drawing: we reply with price and availability. Free test inserts on request, 24/48h shipping.

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Scan to open the online page

Cutting data are indicative starting values: adjust them to machine, clamping, tool overhang and workpiece material. Data and images may change without notice.