

MILLING INSERTS · COPY MILLING AND PROFILING

RPKT / RPMT-SM

Round insert for stainless steels, titanium and superalloys: MS/SM chipbreaker and AlCrN PVD grades.



KEY DATA

Product type	Milling Inserts
ISO materials	P steel M stainless S superalloys
Operation	Semi-finishing · Roughing
INNOT grades	IT7140 ★ · IT7240 ★ · IT8140 ★ recommended
Online page	innot-it.com/en/prodotto/rpkt-rpmt-sm

Specifications

Code	IC	S	D1	AN	APMX
RPKT10T3MO-MS	10	3.97	3.4	11°	5
RPKT1204MO-MS	12	4.76	4.4	11°	6
RPKT1606MO-MS	16	6.35	5.5	11°	8
RPMT08T2MO-SM	8	2.78	3.4	11°	4
RPMT10T3MO-SM	10	3.97	4.4	11°	5
RPMT1204MO-SM	12	4.76	4.4	11°	6
RPMT1606MO-SM	16	6.35	5.5	11°	8

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 – Copy milling and profiling
Shape	Round
ISO material	P (steels), M (stainless steels), S (superalloys and titanium)
Features	Version for difficult materials: sharp cutting edge and AlCrN grades for stainless steels, titanium and superalloys. RPKT1606 and RPMT1606 also in IT8140 for steel.
Compatible cutters	Indexable cutters with RPKT seat: send us your cutter code and we will check compatibility.

Available INNOT grades

Grade	ISO	Coating	Composition	Application
IT7140 ★	M · S	PVD	AlCrN	Milling of stainless steels, titanium alloys and superalloys. Substrate with special micro-elements: excellent toughness and high-temperature performance.
IT7240 ★	M · S	PVD	AlCrN	Milling of difficult materials: stainless steels, superalloys and titanium. High hot hardness, high toughness and resistance to fatigue fracture.

Grade	ISO	Coating	Composition	Application
IT8140	P	CVD	TiN + MT-TiCN + Al ₂ O ₃	Heavy milling of steels. Thin CVD coating and a substrate resistant to plastic deformation at high temperature: high hardness and stable 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.

+39 375 786 1361 · info@innot-it.com · www.innot-it.com



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.