

XOMT-PD

ZANHO Cutting Tools



XOMT-PD

— Drilling Inserts —

Feature

ZANHO XOMT-PD series is a high-performance **central/inner edge indexable drill insert** specifically designed for paired use in "King Crown" style U-drills. Featuring a specialized **granular**

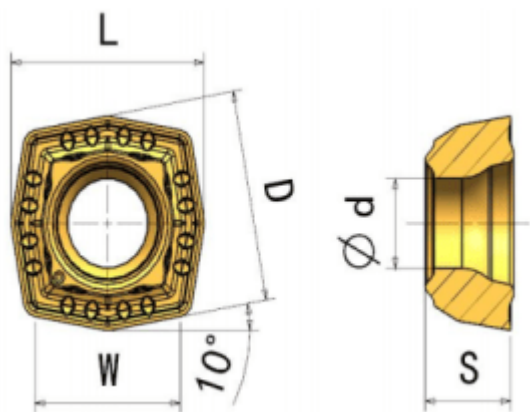
chipbreaker, it effectively breaks chips at the low linear speeds found at the drill center, preventing stringy chip entanglement. Engineered with **reinforced chamfered edges** and a multi-corner polygonal structure, it provides exceptional impact resistance and cost-efficiency for drilling carbon steel, alloy steel, and cast iron.

Descriptions

Key Performance & Features

- **Specialized Inner Edge Design:** Specifically optimized for the central position of indexable drills where cutting conditions are most severe due to near-zero linear speed.
- **Granular Chipbreaker Structure:** Multiple protrusions force chips to fragment into short grains, preventing the formation of ribbon-like chips that cause hole clogging.
- **Reinforced Tip Integrity:** Heavily chamfered cutting edges are designed to withstand the intense axial impact at the drill core, reducing the risk of sudden tool failure.
- **Economic Multi-Edge Geometry:** Polygonal structure provides multiple usable cutting corners per insert, maximizing tool utilization and lowering the cost-per-hole.
- **System Compatibility:** Engineered to work in perfect synchronization with SPMT outer inserts for balanced drilling forces and superior hole tolerance.

Dimensional Specifications



Model	L (mm)	D (mm)	S (mm)	R (mm)	W (mm)
XOMT 040204-PD	4.96	4.9	2.4	0.4	3.68

Model	L (mm)	D (mm)	S (mm)	R (mm)	W (mm)
XOMT 050204-PD	5.47	5.4	2.4	0.4	4.10
XOMT 060204-PD	6.68	6.6	2.5	0.4	5.15
XOMT 07T205-PD	7.9	7.8	2.8	0.5	6.05
XOMT 090305-PD	9.73	9.6	3.3	0.5	7.60
XOMT 11T306-PD	11.56	11.4	4.0	0.6	9.02

Using Indexable Drills for Deep Holes?

Proper internal coolant is required for stable performance. Contact ZANHO for pairing guides (XOMT + SPMT) and wholesale volume discounts.