

SPMT-PD

ZANHO Cutting Tools



SPMT-PD

—— Drilling Inserts ——

Feature

ZANHO SPMT-PD series is a high-performance **outer edge indexable drill insert** specifically designed for peripheral cutting in crown-style U-drills. Engineered to withstand high linear speeds

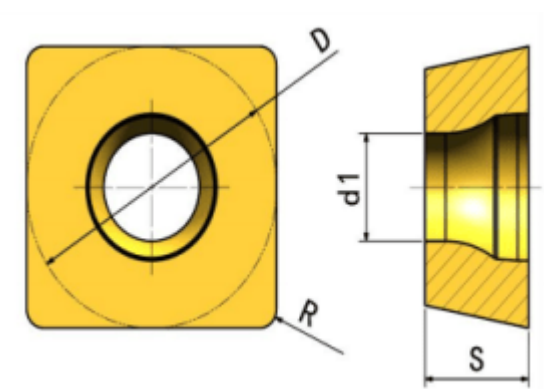
and initial entry impact, it features a specialized **PD chipbreaker** with raised structures for effective chip splitting. Designed to work in pair with **XOMT-PD inner inserts**, it provides maximum edge durability and cost-efficiency for drilling carbon steel, alloy steel, and cast iron.

Descriptions

Key Performance & Features

- **Peripheral Speed Specialist:** Specifically optimized for the outer edge position of indexable drills, where linear cutting speeds are highest.
- **Advanced Chip Splitting:** The PD chipbreaker features raised protrusions that split and curl wide chips into short segments, ensuring a smooth overall chip evacuation when combined with inner inserts.
- **Reinforced Negative Chamfer:** Heavily reinforced cutting edges withstand the initial shock of drill entry and resist peripheral abrasive wear against the hole wall.
- **Cost-Effective Multi-Edge Design:** Polygonal multi-corner geometry increases the utilization rate per insert, significantly lowering the tooling cost-per-component.
- **Seamless Pairing:** Perfectly balanced to work with XOMT-PD inner inserts to eliminate hole deviation and maintain high dimensional accuracy.

Dimensional Specifications



Model	D (mm)	d1 (mm)	S (mm)	R (mm)
SPMT 040204-PD	4.7	2.3	2.4	0.4
SPMT 050204-PD	5.1	2.3	2.4	0.4

Model	D (mm)	d1 (mm)	S (mm)	R (mm)
SPMT 060205-PD	6.2	2.6	2.5	0.5
SPMT 07T208-PD	7.5	2.95	2.8	0.7
SPMT 090308-PD	9.2	3.55	3.3	0.8
SPMT 11T308-PD	11.5	4.45	4.78	0.8

Ordering Complete U-Drill Solutions?

Ensure you have both SPMT (Outer) and XOMT (Inner) inserts for your crown drill body. Contact ZANHO for system compatibility checks and volume B2B pricing.