

SOMT-DP

ZANHO Cutting Tools



SOMT-DP

— Drilling Inserts —

Feature

ZANHO SOMT-DP series is a high-efficiency **indexable drill insert** designed for professional **U-drilling (fast drilling)**. Featuring a **4-edge square geometry**, it provides maximum cost savings

per hole. The specialized **DP chipbreaker**, with its unique rib and dot structure, ensures excellent chip fragmentation even in deep-hole drilling of steel, stainless steel, and cast iron. Optimized for internal coolant tool holders to deliver stable performance and extended tool life.

Descriptions

Key Performance & Features

- **High-Efficiency U-Drilling:** Specifically engineered for indexable drills, addressing the pain points of poor chip evacuation and high cutting loads.
- **DP Chipbreaker Technology:** Integrated ribs and point-like protrusions force chips to curl and break into short segments, preventing chip clogging in deep holes.
- **Reinforced Edge Geometry:** Chamfered cutting edges enhance impact resistance, allowing the insert to handle the interrupted cuts typical of raw forging surfaces.
- **Economic 4-Corner Design:** Four usable cutting edges per insert significantly reduce the tool cost-per-hole compared to standard 2-edge inserts.
- **Multi-Material Versatility:** A single geometry optimized for Steel (P), Stainless Steel (M), and Cast Iron (K), simplifying your tool inventory management.

Dimensional Specifications

Model	D (mm)	d1 (mm)	S (mm)	R (mm)
SOMT 040204-DP	4.4	2.38	2.05	0.4
SOMT 050204-DP	4.9	2.38	2.25	0.4
SOMT 060204-DP	5.7	2.38	2.60	0.4
SOMT 070306-DP	6.8	2.80	2.60	0.6
SOMT 08T306-DP	7.9	3.97	2.85	0.6
SOMT 09T308-DP	9.2	3.97	3.80	0.8
SOMT 11T308-DP	11.0	3.97	3.80	0.8

Optimizing for High-Speed Drilling?

Feed and cutting depth vary based on drill diameter and workpiece material. Contact our sales engineers for customized parameter recommendations and bulk B2B pricing.