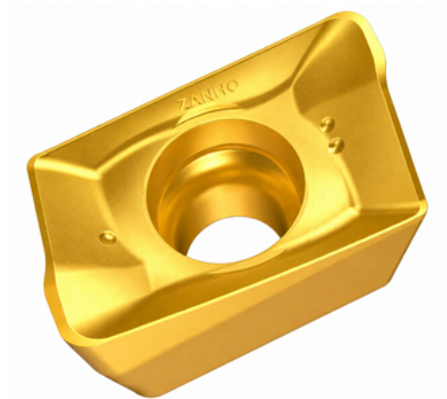


APKT-EM

ZANHO Cutting Tools



APKT-PM

—— Milling Inserts ——

Interchangeable with Taegutec

Feature

ZANHO **APKT-EM series** is a universal 90° square shoulder milling solution featuring **high positive geometry** and **dual helical cutting edges**. This design significantly reduces cutting

resistance and vibrations, making it the perfect choice for **low-power machines** and **long overhang setups**. From semi-finishing to medium roughing, it ensures precision vertical walls and excellent surface integrity.

Descriptions

Key Technical Advantages

- **High Positive Rake Angle:** The "High Positive" design facilitates faster shearing with minimal resistance, drastically reducing machine load and workpiece deflection. Ideal for unstable setups or slender tools.
- **Dual Helical Cutting Edges:** Unlike straight edges, the helical geometry ensures a gradual entry and exit from the material. This minimizes impact shock, reduces vibration, and delivers a superior polished surface finish.
- **True 90° Shoulder Milling:** Engineered for absolute verticality, the EM geometry produces perfectly perpendicular walls and flat floors, eliminating the need for secondary "cleaning" passes.
- **Wide Application Range:** An economical 2-edge design covering everything from semi-finishing to medium-duty roughing across various steel, stainless, and cast iron materials.
- **Optimized Chip Flow:** The helical pits naturally guide chip evacuation away from the cutting zone, preventing chip recutting and heat buildup.

Insert Dimensional Specifications (mm)

Model	H (Total Height)	L (Length)	W (Width)	d (Hole Dia)	S (Thickness)	R (Ra)
APKT 09T3PER-EM	10.56	9.98	6.2	2.9	3.8	0.3
APKT 09T308R-EM	10.58	10.0	6.2	2.9	3.8	0.8
APKT 09T316R-EM	10.54	10.03	6.2	2.9	3.74	1.6
APKT 120416R-EM	14.65	13.19	8.4	4.0	4.76	1.6
APKT 120424R-EM	13.89	13.17	8.4	4.0	4.76	2.4
APKT 170504R-EM	17.47	17.17	10.7	4.5	5.56	0.4

Model	H (Total Height)	L (Length)	W (Width)	d (Hole Dia)	S (Thickness)	R (Ra)
APKT 170530R-EM	17.47	17.17	10.7	4.5	5.56	3.0
APKT 170532R-EM	17.47	17.17	10.7	4.5	5.56	3.2
APKT 170540R-EM	17.47	17.17	10.7	4.5	5.56	4.0

Smooth Cutting for Every Machine

ZANHO APKT-EM inserts provide reliable performance on vertical steps and walls. Contact us for bulk B2B stock and technical grade consultation.