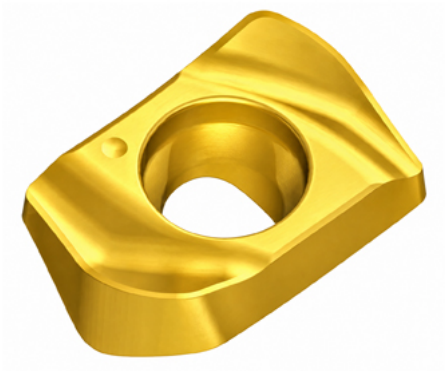
CVKT0502R-HF

ZANHO Cutting Tools



CVKT-HR

Milling Inserts

Feature

ZANHO **CVKT0502R-HF series**: High-efficiency **high feed milling inserts** engineered for extreme metal removal rates. Featuring a large positive rake angle and a unique **V-shaped bottom**

positioning structure, these inserts ensure maximum clamping rigidity and stability. Ideal for face milling, profiling, ramping, and helical interpolation, they are perfectly matched with **LV05 series** coolant-through tool holders for superior chip evacuation and heat control.

Descriptions

Technical Features

- **HF High Feed Geometry:** Optimized for high-speed machining and maximum material removal rates.
- **Large Positive Rake Angle:** Reduces cutting forces and minimizes power consumption.
- **V-Shaped Bottom Positioning:** Enhances clamping rigidity and prevents insert movement under heavy loads.
- **Multifunctional Performance:** Suitable for face milling, profiling, ramping, and helical interpolation.
- **Coolant-Through Compatibility:** Optimized for LV05 holders with internal coolant for superior chip evacuation.

CVKT0502R-HF Insert Specifications (mm)

Parameter	Value	Parameter	Value
INSL (Length)	5.60	ap (max) Actual	0.40
W1 (Width)	4.10	ap (min)	0.20
S (Thickness)	2.50	fz (min)	0.30 mm/t
APMX (Theoretical)	0.50	fz (max)	0.70 mm/t

LV05 Matching Tool Holders

Internal Coolant (SKD61)	External Coolant
LV05-C8-08-100-2T-N-SKD61	LV05-C8-08-100-2T
LV05-C10-10-100-3T-N-SKD61	LV05-C10-10-100-3T
LV05-C10-11-100-3T-N-SKD61	LV05-C10-11-100-3T
LV05-C12-12-100-4T-N-SKD61	LV05-C12-12-100-4T
LV05-C12-13-100-4T-N-SKD61	LV05-C12-13-100-4T

Internal Coolant (SKD61)	External Coolant
LV05-C14-14-120-5T-N-SKD61	LV05-C14-14-120-5T
LV05-C16-16-150-5T-N-SKD61	LV05-C16-16-150-5T
LV05-C16-17-150-5T-N-SKD61	LV05-C16-17-150-5T