

CTP/CTPA Grooving&Cut-off Inserts

ZANHO Cutting Tools



CTP/CTPA

Grooving Inserts

Feature

ZANHO CTP/CTPA series: High-precision **rhombic indexable inserts** for external parting and grooving on **Swiss-type lathes**. Featuring a stable indexable structure with multiple lead angle

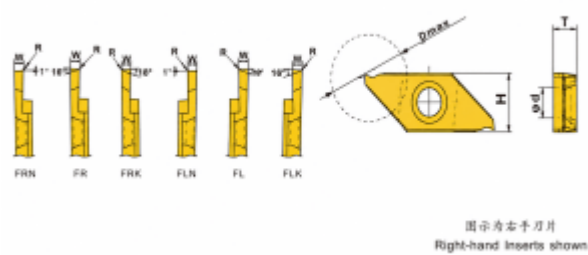
options, these inserts are optimized for small component machining. Engineered with an advanced rake geometry to reduce vibration and ensure **reliable chip curling** even in difficult-to-machine alloys.

Descriptions

Technical Advantages

- **Rhombic Indexable Economy:** The indexable rhombic structure provides multiple effective cutting edges per insert, significantly reducing overall tool costs.
- **Multi-Directional Compatibility:** Designed to fit various shank geometries with different lead angles, providing high versatility for complex Swiss-type machining paths.
- **Vibration-Free Machining:** Optimized front rake geometry effectively reduces cutting load, suppressing vibration in small-diameter or thin-walled workpieces.
- **Stable Chip Management:** Engineered chipbreaker prevents chip wrapping and ensures smooth evacuation, maintaining a high-quality surface finish.
- **Small Component Precision:** Strict tolerance control (R 0.05) and stable positioning ensure repeatable accuracy across high-volume production batches.

CTP / CTPA Detailed Specifications (mm)



Designation (Right)	Designation (Left)	W	Dmax	T
TKF12R050-S	TKF12L050-S	0.50	5.0	3.0
TKF12R070-S	TKF12L070-S	0.70	8.0	
TKF12R100-S	TKF12L100-S	1.00	12.0	
TKF12R150-S	TKF12L150-S	1.50	12.0	
TKF12R200-S	TKF12L200-S	2.00	12.0	

Designation (Right)	Designation (Left)	W	Dmax	T
TKF12R050-S16R	TKF12L050-S16R	0.50	5.0	
TKF12R070-S16R	TKF12L070-S16R	0.70	8.0	
TKF12R100-S16R	TKF12L100-S16R	1.00	12.0	
TKF12R150-S16R	TKF12L150-S16R	1.50	12.0	
TKF12R200-S16R	TKF12L200-S16R	2.00	12.0	
TKF16R100-S	TKF16L100-S	1.00	16.0	4.0
TKF16R150-S	TKF16L150-S	1.50		
TKF16R200-S	TKF16L200-S	2.00		
TKF16R250-S	TKF16L250-S	2.50		
TKF16R300-S	TKF16L300-S	3.00		
TKF16R100-S16R	TKF16L100-S16R	1.00		
TKF16R150-S16R	TKF16L150-S16R	1.50		
TKF16R200-S16R	TKF16L200-S16R	2.00		

Precision Indexable Parting for High-Performance Machining

ZANHO CTP/CTPA series provides industry-leading stability for sliding head lathes. Contact us for bulk quotations.