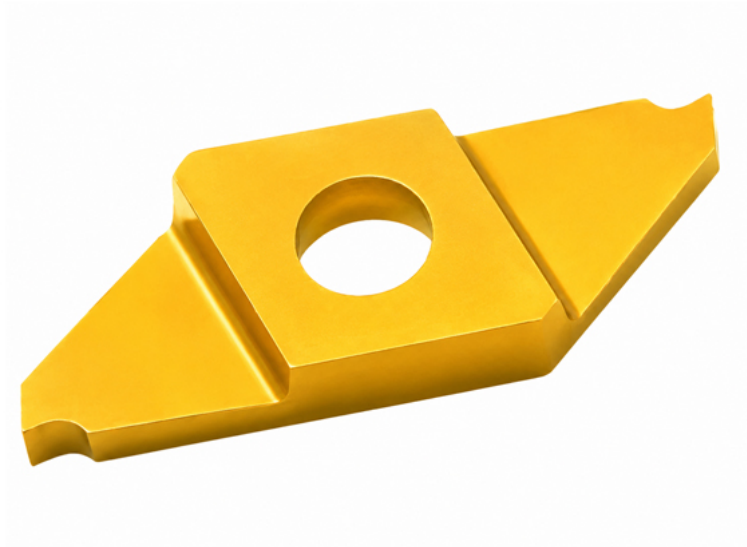


TKF12/16 Grooving&Cut-off Inserts

ZANHO Cutting Tools



TKF12/16

Grooving Inserts

Feature

ZANHO TKF12/TKF16 series: High-precision single-sided **parting and grooving inserts** specifically engineered for **Swiss-type CNC machines**. Compact design fits limited tool post

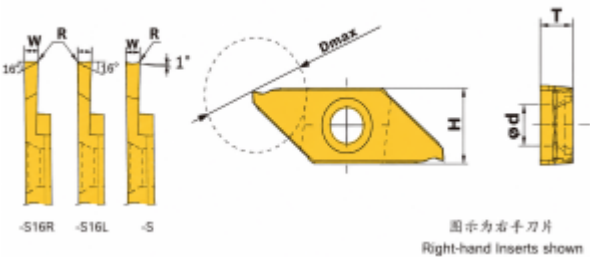
spaces while the optimized chipbreaker ensures stable curling and evacuation. Engineered for vibration reduction and high-stability machining of small components in steel and alloys.

Descriptions

Technical Advantages

- **Swiss-Type CNC Optimized:** Ultra-compact geometry specifically designed for the tight tool post configurations of Swiss-type (sliding head) lathes.
- **Enhanced Process Stability:** Specialized rake surface geometry reduces cutting resistance and suppresses vibration, ensuring precision in small part parting-off.
- **Stable Chip Management:** Engineered chipbreaker prevents chip wrapping and promotes inward curling for reliable evacuation in narrow grooves.
- **Precision Edge Treatment:** Honed and reinforced cutting edges improve resistance to chipping under weak rigidity conditions, extending tool life.
- **High Repeatability:** Strict manufacturing tolerances ensure consistent slot widths and high dimensional accuracy across large production batches.

TKF12 / TKF16 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 Parting Excellence for Swiss-Type Lathes

ZANHO TKF series delivers unparalleled stability for small component production. Contact us for bulk B2B inquiry and tool holder compatibility.