

TKFT12/16

ZANHO Cutting Tools



TKFT12/16

Threading Inserts

Feature

ZANHO TKFT series: High-precision **threading inserts** specifically optimized for **Swiss-type automatic lathes**. Utilizing a **vertical mounting structure**, these inserts provide superior load-

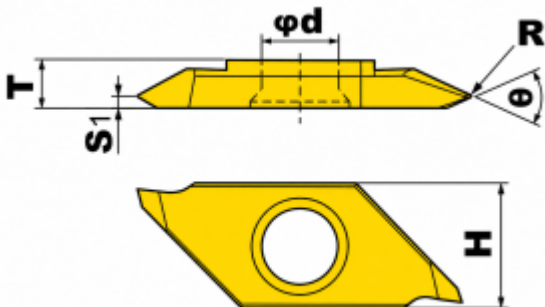
bearing capacity and rigidity in space-constrained environments. Designed for precision small-pitch threading (0.5mm-3.0mm), they are compatible with TKFK toolholders for multifunctional use in threading, back-turning, and cutoff operations.

Descriptions

Technical Advantages

- **Swiss-Type Lathe Optimization:** Vertical clamping saves valuable space on multi-tool turrets, ideal for sub-spindle machining.
- **High Rigidity Structure:** Cutting forces act along the insert's thickness, providing excellent resistance to fracture compared to traditional horizontal inserts.
- **Integrated Tooling System:** Compatible with **TKFK toolholders**, allowing rapid switching between TKFT (Threading), TKFB (Back-turning), and TKF (Cutoff) inserts.
- **Precision Small Pitch Threading:** Covers common micro-thread ranges (0.5mm - 3.0mm) with sharp edge geometry for high-accuracy requirements.
- **Efficient Chip Management:** Designed for stable chip evacuation in tight working envelopes.

TKFT Series Dimensions (mm)



Designation		Pitch		Dimensions			Edge Specs		
Right	Left	Metric (mm)	Inch (TPI)	H	T	ϕd	θ	R	S1
TKFT12RA60005	TKFT12LA60005	0.5 - 1.25	48 - 24	8.7	3.0	5.0	60°	0.05	0.8
TKFT12RB60005	TKFT12LB60005	0.5 - 1.25	48 - 24					0.05	0.8
TKFT12RN6001	TKFT12LN6001	1.0 - 2.0	24 - 12					0.10	1.25
TKFT12RA55005	TKFT12LA55005	-	48 - 24				55°	0.05	0.8
TKFT12RB55005	TKFT12LB55005	-	48 - 24					0.05	0.8

Designation		Pitch		Dimensions			Edge Specs		
Right	Left	Metric (mm)	Inch (TPI)	H	T	?d	?	R	S1
TKFT12RN5501	TKFT12LN5501	-	24 - 12	0.10	1.5				
TKFT16RA60005	TKFT16LA60005	0.5 - 1.25	48 - 24	9.5	4.0	60°	0.05	0.8	
TKFT16RB60005	TKFT16LB60005	0.5 - 1.25	48 - 24				0.05	0.8	
TKFT16RN6001	TKFT16LN6001	1.0 - 3.0	24 - 8				0.10	1.75	
TKFT16RA55005	TKFT16LA55005	-	48 - 24			55°	0.05	0.8	
TKFT16RB55005	TKFT16LB55005	-	48 - 24				0.05	0.8	
TKFT16RN5501	TKFT16LN5501	-	24 - 8				0.10	1.75	

Insert Nose Selection Guide

TKFT12/16RN****	TKFT12/16RA****	TKFT12/16RB****
		
TKFT12/16LN****	TKFT12/16LA****	TKFT12/16LB****
