

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

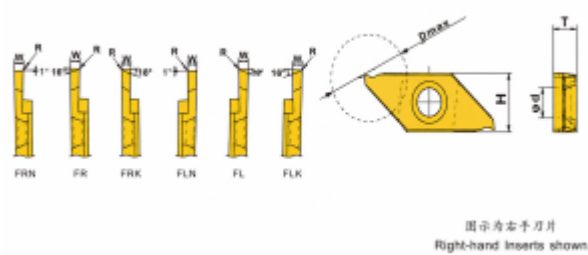
options, these inserts are optimized for small component machining. Engineered with an advanced rake geometry to reduce vibration and ensure **reliable chip curling** even in difficult-to-machine alloys.

Descriptions

Technical Advantages

- **Rhombic Indexable Structure:** Features a high-stability indexable design with multiple cutting edges, offering excellent cost-efficiency for mass production.
- **Multi-Lead Angle Versatility:** Available in multiple lead angle configurations to support diverse machining directions (Right-hand and Left-hand) on Swiss lathes.
- **Swiss CNC Optimized:** Specifically developed for external grooving and parting-off in the tight work envelopes of sliding head lathes.
- **Advanced Chip Control:** The front rake chipbreaker guides chip curling and prevents wrapping, critical for continuous high-speed operation.
- **Vibration Suppression:** Reduced cutting forces ensure stability even under weak rigidity conditions, maintaining tight dimensional tolerances.

CTP / CTPA Rhombic Insert Specifications (mm)



Designation (Right)	Designation (Left)	W	Dmax	T
CTP05FRN	CTP05FLN	0.50	5.0	2.5
CTP07FRN	CTP07FLN	0.70	8.0	
CTP10FRN	CTP10FLN	1.00	12.0	
CTP15FRN	CTP15FLN	1.50	12.0	
CTP20FRN	CTP20FLN	2.00	12.0	

Designation (Right)	Designation (Left)	W	Dmax	T
CTP05FR	CTP05FLK	0.50	5.0	
CTP07FR	CTP07FLK	0.70	8.0	
CTP10FR	CTP10FLK	1.00	12.0	
CTP15FR	CTP15FLK	1.50	12.0	
CTP20FR	CTP20FLK	2.00	12.0	
CTPA10FRN	CTPA10FLN	1.00	16.0	3.5
CTPA15FRN	CTPA15FLN	1.50		
CTPA20FRN	CTPA20FLN	2.00		
CTPA25FRN	CTPA25FLN	2.50		
CTPA30FRN	CTPA30FLN	3.00		
CTPA10FR	CTPA10FLK	1.00		
CTPA15FR	CTPA15FLK	1.50		
CTPA20FR	CTPA20FLK	2.00		

Versatile Rhombic Indexable Solutions for Swiss Machining

ZANHO CTP/CTPA series provides industry-leading flexibility and precision. Bulk B2B pricing available upon inquiry.