

TDT-RU(TDR)

ZANHO Cutting Tools



TDT-RU

— carbide Inserts —

Feature

ZANHO **TDT-RU series**: Precision-pressed **double-ended full radius** inserts optimized for external grooving and lateral profiling. Compatible with **T-CLAMP series** tool holders, the

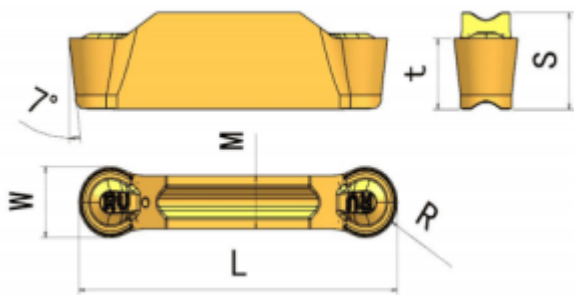
specialized **RU chipbreaker** prevents chip packing in narrow cavities during lateral turning. Honed edges provide superior chipping resistance under interrupted cutting conditions for high-precision R-contour machining.

Descriptions

Technical Advantages

- **Full Radius Precision:** Precision-pressed full-circle geometry ensures perfect R-contour accuracy, ideal for bearing housing and decorative profiling.
- **RU Specialized Chipbreaker:** Specifically designed for lateral turning within grooves, constraining chip shapes to avoid packing in narrow or confined spaces.
- **T-CLAMP Compatibility:** Seamlessly compatible with industry-standard T-CLAMP series tool holders for external grooving and face profiling.
- **High Edge Toughness:** Reinforced honed cutting edges provide exceptional resistance to chipping, even under severe interrupted cutting conditions.
- **Double-Ended Economy:** Symmetrical design allows both ends to be utilized, maximizing tool life and cost-efficiency in mass production.

Technical Specifications (mm)



Model Type	Width (W±0.05)	M	Length (L)	Radius (R)	t	S
TDT 2E-1.0-RU	2.0	1.7	20.0	1.0	3.98	5.0
TDT 3E-1.5-RU	3.0	2.25	20.0	1.5	4.0	5.45
TDT 4E-2.0-RU	4.0	3.0	20.0	2.0	4.0	5.45
TDT 5E-2.5-RU	5.0	4.0	25.0	2.5	4.83	6.2

Model Type	Width (W±0.05)	M	Length (L)	Radius (R)	t	S
TDT 6E-3.0-RU	6.0	5.0	25.0	3.0	4.90	6.1

Precision Profiling for External Machining Excellence

ZANHO TDT-RU series is the industrial choice for bearing grooves and complex contouring. Contact us for bulk B2B inquiry.