

# TT32R/L Threading

## ZANHO Cutting Tools



# TT32

Threading Inserts

## Feature

ZANHO **TT32 series**: High-precision **vertical threading inserts** designed for standard thread profiles. Supporting both **60° Metric (ISO)** and **55° Whitworth (G/BSP)** threads, these inserts

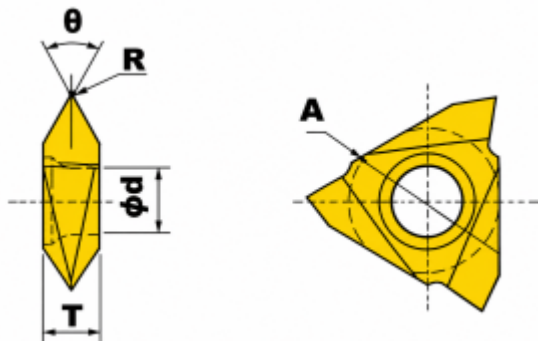
provide exceptional stability and accuracy. Paired with **KTTR/L tool holders**, they are ideal for external threading operations where a sufficient relief groove is available.

## Descriptions

### Technical Features

- **Vertical Mounting Design:** Provides superior rigidity and clamping force for heavy-duty threading.
- **Dual Profile Support:** Covers both 60° Metric M-thread and 55° Whitworth G/BSP pipe threads.
- **Standard Profile (No Wiper):** Designed for standard thread forms where specific relief grooves are present.
- **High Precision Ground:** Ensures tight tolerances and clean thread flanks for high-quality assembly.
- **Robust Toolholding:** KTTR/L holders feature high-strength clamping for vibration-free performance.

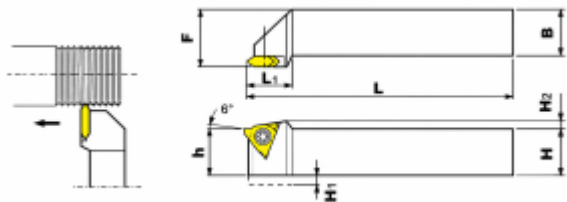
### TT32 Series Dimensions (mm)



| Designation |           | Pitch       |            | Dimensions |      |     | Edge Info |      |
|-------------|-----------|-------------|------------|------------|------|-----|-----------|------|
| Right       | Left      | Metric (mm) | Inch (TPI) | A          | T    | φd  | ?         | R    |
| TT32R6000   | TT32L6000 | 0.5 - 2.5   | 56 - 10    | 9.525      | 3.18 | 4.4 | 60°       | 0.00 |
| TT32R6001   | TT32L6001 | 1.0 - 2.5   | 24 - 10    |            |      |     |           | 0.10 |
| TT32R6002   | TT32L6002 | 1.5 - 2.5   | 16 - 10    |            |      |     |           | 0.20 |
| TT32R6003   | TT32L6003 | 2.5         | 11 - 10    |            |      |     |           | 0.30 |
| TT32R5501   | TT32L5501 | -           | 28 - 10    |            |      |     | 55°       | 0.10 |

| Designation |           | Pitch       |            | Dimensions |   |    | Edge Info |   |
|-------------|-----------|-------------|------------|------------|---|----|-----------|---|
| Right       | Left      | Metric (mm) | Inch (TPI) | A          | T | ?d | ?         | R |
| TT32R5502   | TT32L5502 | -           | 14 - 10    | 0.20       |   |    |           |   |

## KTTR/L Tool Holder Dimensions



| Designation  |              | Dimension (mm) |    |                   |     |       | Spare Parts |  |
|--------------|--------------|----------------|----|-------------------|-----|-------|-------------|--|
| Right        | Left         | H / h / B / F  | H1 | H2 / L1           | L   | Screw | Wrench      |  |
| KTTR1010K-16 | KTTL1010K-16 | 10             | 4  | H2: 2.5<br>L1: 18 | 125 | M4*8  | T15         |  |
| KTTR1212K-16 | KTTL1212K-16 | 12             | 2  |                   |     |       |             |  |
| KTTR1616K-16 | KTTL1616K-16 | 16             | -  |                   |     |       |             |  |
| KTTR2020K-16 | KTTL2020K-16 | 20             | -  |                   |     |       |             |  |
| KTTR2525M-16 | KTTL2525M-16 | 25             | -  |                   | 150 |       |             |  |



### ■ Difference Between TT and TTX

| Type | Appearance | Rake Angle During Installation | Features<br>Application                                                                                                                                                                                                              |
|------|------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TT   |            |                                | <ul style="list-style-type: none"> <li>One insert can machine multiple thread pitches</li> </ul>                                                                                                                                     |
| TTX  |            |                                | <ul style="list-style-type: none"> <li>Minimum cutting resistance</li> <li>Can machine up to the bottom of the thread groove (reduced relief width possible)</li> <li>One insert can machine fewer thread pitches than TT</li> </ul> |