

Summary of External Threading

Tooling Application Table (External Threading)

| Thread Type | Metric | Unified | Parallel Pipe | Whitworth | Tapered Pipe | American National Tapered Pipe | 30° Trapezoidal | |
|--|-----------------|--------------------------|------------------------|------------------------|------------------------|--------------------------------|--------------------------|--------------------------|
| | M | UN. UNC UNF. UNEF | G (PF) | W | R (PT) (BSPT) | NPT | Tr | |
| Thread shape | | | | | | | | |
| Pitch | mm | TPI | TPI | TPI | TPI | TPI | mm | |
| Toolholder Shape | | | | | | | | |
| | | | | | | | | |
| KTN ⚙️ J16 | Full Profile | 0.5~5.0 ⚙️ J6 | 28~8 ⚙️ J8 | 19~11 ⚙️ J8 | 16~11 ⚙️ J8 | 28~11 ⚙️ J10 | 18~11.5 ⚙️ J10 | - |
| | Partial Profile | 0.5~5.0 ⚙️ J12 | 48~5 ⚙️ J12 | 28~11 ⚙️ J14 | 40~5 ⚙️ J14 | 28~11 ⚙️ J14 | - | 2.0~5.0 ⚙️ J14 |
| KTNS ⚙️ J16 | Full Profile | 0.5~3.0 ⚙️ J6 | 24~8 ⚙️ J8 | 19~11 ⚙️ J8 | 16~11 ⚙️ J8 | 28~11 ⚙️ J10 | 18~11.5 ⚙️ J10 | - |
| | Partial Profile | 0.5~3.0 ⚙️ J12 | 48~8 ⚙️ J12 | 28~11 ⚙️ J14 | 40~8 ⚙️ J14 | 28~11 ⚙️ J14 | - | 2.0~3.0 ⚙️ J14 |
| KTJ ⚙️ J22 | Full Profile | 1.0~2.0 ⚙️ J22 | - | - | - | - | - | - |
| | Partial Profile | 0.5~3.5 ⚙️ J22 | 56~8 ⚙️ J22 | 28~11 ⚙️ J22 | 24~7 ⚙️ J22 | 28~11 ⚙️ J22 | - | - |
| KTTX ⚙️ J20 | Partial Profile | 0.5~2.0 ⚙️ J21 | 56~14 ⚙️ J21 | 28~11 ⚙️ J21 | 24~11 ⚙️ J21 | 28~11 ⚙️ J21 | - | - |
| S-KTTX ⚙️ J20 | Partial Profile | 0.5~2.0 ⚙️ J21 | 56~14 ⚙️ J21 | 28~11 ⚙️ J21 | 24~11 ⚙️ J21 | 28~11 ⚙️ J21 | - | - |
| KTKF ⚙️ J18 | Partial Profile | 0.5~1.5 ⚙️ J18 | 64~18 ⚙️ J18 | 28~19 ⚙️ J18 | 40~16 ⚙️ J18 | 28~19 ⚙️ J18 | - | - |
| KTKF ⚙️ J18 (Goose-neck Holder) | Partial Profile | 0.5~1.5 ⚙️ J18 | 64~18 ⚙️ J18 | 28~19 ⚙️ J18 | 40~16 ⚙️ J18 | 28~19 ⚙️ J18 | - | - |

• Threading Inserts Identification System

Full Profile ⚙️ **Please see J6**

Partial Profile ⚙️ **Please see J12**