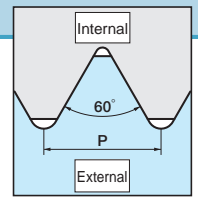


Threading Inserts



External Threading Inserts

● Metric (M)

Full Profile 60°

| Description | Previous Description | A | T | ød | Classification of usage ● : 1st Choice ○ : 2nd Choice | P | Material | | Ref. Page for Depth of Cut & Number of Passes | | | | | |
|--------------------------------|--|-------------------------------|-------------------|----------------------------|---|----------------------------|----------------------------|-----------------|---|--------------------|---------|-----|---|---|
| | | | | | | M | Carbon Steel / Alloy Steel | Stainless Steel | Cast Iron | Non-ferrous Metals | | | | |
| 16E ^{9/L} | TNN32E ^{9/L} | 9.525 | 3.68 | 4.0 | ● | ○ | ● | ○ | ● | ○ | | | | |
| 22E ^{9/L} | TNN43E ^{9/L} | 12.70 | 4.9 | 4.85 | ○ | ○ | ○ | ○ | ○ | ○ | | | | |
| Insert | Description | Previous Description | Applicable Thread | Dimension (mm) | | Angle (°) | Cermet | | PVD Coated Carbide | | Carbide | | Ref. Page for Depth of Cut & Number of Passes | |
| | | | | re | S | | TC60 | PR1115 | PR930 | GW15 | KW10 | | | |
| Handed Insert shows Right-hand | | | M | θ | 60° | R | L | R | L | R | L | R | L | |
| | | | Pitch mm | | | | | | | | | | | |
| | 16E^{9/L} 100ISO-TF 125ISO-TF 150ISO-TF 175ISO-TF 200ISO-TF 250ISO-TF 300ISO-TF | - | 1.0 | 0.12 | 0.80 | | | ● | | | | | J30 | |
| | | | 1.25 | 0.15 | 0.90 | | | ● | | | | | | |
| | | | 1.5 | 0.19 | 1.00 | | | ● | | | | | | |
| | | | 1.75 | 0.22 | 1.60 | | | ● | | | | | | |
| | | | 2.0 | 0.25 | 1.50 | | | ● | | | | | | |
| | | | 2.5 | 0.33 | 1.60 | | | ● | | | | | | |
| | | | 3.0 | 0.41 | 1.60 | | | ● | | | | | | |
| | | | 0.5 | 0.06 | 0.40 | TNN32E ^{9/L} 050M | | | ● | ● | □ | ● | | |
| | | | 0.75 | 0.09 | 0.53 | 075M | | | ● | ● | □ | ● | | |
| | | | 1.0 | 0.12 | 0.80 | 100M | | | ● | ● | □ | ● | | □ |
| 1.25 | 0.15 | 0.90 | 125M | | | ● | ● | □ | ● | | | | | |
| 1.5 | 0.19 | 1.00 | 150M | | | ● | ● | □ | ● | □ | | | | |
| 1.75 | 0.22 | 1.50 | 175M | | | ● | ● | □ | ● | | | | | |
| 2.0 | 0.25 | 1.50 | 200M | | | ● | ● | □ | ● | □ | | | | |
| 2.5 | 0.32 | 1.60 | 250M | | | ● | ● | □ | ● | | | | | |
| 3.0 | 0.41 | 2.10 | 300M | TNN43E ^{9/L} 300M | | | ● | □ | | | | | | |
| 3.5 | 0.48 | 2.10 | 350M | | | | ● | □ | | | | | | |
| 4.0 | 0.55 | 2.80 | 400M | | | | ● | □ | | | | | | |
| 4.5 | 0.62 | 2.80 | 450M | | | | ● | □ | | | | | | |
| 5.0 | 0.70 | 2.80 | 500M | | | | ● | □ | | | | | | |
| | 16E^{9/L} 100ISO-TS 125ISO-TS 150ISO-TS 200ISO-TS | TNN32E ^{9/L} 100M-TS | 1.0 | 0.12 | 0.80 | | | | | □ | | J35 | | |
| | | | 1.25 | 0.15 | 0.90 | | | | | □ | | | | |
| | | | 1.5 | 0.19 | 1.00 | | | | | □ | | | | |
| | | | 2.0 | 0.25 | 1.50 | | | | | □ | | | | |
| | 16E^{9/L} 100ISO-M02 150ISO-M02 200ISO-M02 | TNN32E ^{9/L} 100M02 | 1.0 | 0.12 | 1.80 | | | | | □ | | J35 | | |
| | | | 1.5 | 0.19 | 2.25 | | | | | □ | | | | |
| | | | 2.0 | 0.25 | 2.90 | | | | | □ | | | | |

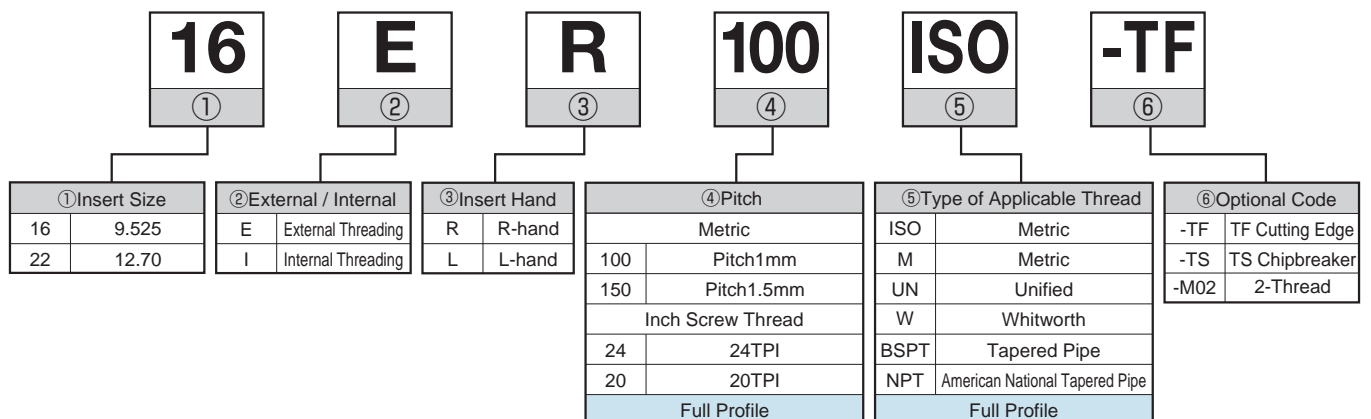
● Applicable Toolholder

For recommended cutting conditions, see page ●J29

| Description | Applicable Toolholder | Ref. Page for Toolholder |
|-------------|---------------------------|--------------------------|
| 16ER ... | KTNR...-16 KTNSR...-16 | J16 |
| 16EL ... | KTNL...-16 | |
| 22ER ... | KTNR...-22 | |

| Applicable Thread | M: Metric | R, Rc (PT), (BSPT): Tapered Pipe |
|-------------------|--------------------------|-------------------------------------|
| | UN: Unified | W: Whitworth |
| | UNF: Unified Fine Thread | NPT: American National Tapered Pipe |
| | G (PF): Parallel Pipe | Tr: 30°Trapezoidal |

Threading Inserts Identification System (Full Profile) ●J6~J11



PR930 / PR1115 / GW15
(Threading Insert) is sold in 5 piece boxes.

Inserts are sold in 10 piece boxes.

● : Std. Item □ : Check Availability