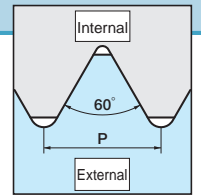


Threading Inserts



External Threading Inserts

Unified (UN)

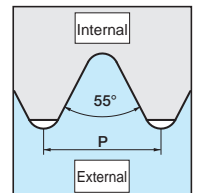
Full Profile 60°

| Description | Previous Description | A | T | ød | Classification of usage ● : 1st Choice ○ : 2nd Choice | P | | | | | | | Ref. Page for Depth of Cut & Number of Passes | | | | | | | |
|--------------------------------|----------------------------|--|------|----------------------|---|----------------------------|------|---|-----|--|--------|---|--|------|-----------|-----|--------------------|-----|--|---|
| | | | | | | Carbon Steel / Alloy Steel | ● | ○ | M | Stainless Steel | ● | ○ | | K | Cast Iron | N | Non-ferrous Metals | | | |
| Insert | | Description | | Previous Description | | Applicable Thread | | Dimension (mm) | | Angle (°) | Cermet | | PVD Coated Carbide | | Carbide | | | | | |
| Handed Insert shows Right-hand | | | | | | UN, UNF | re | S | θ | TC60 | PR1115 | | PR930 | | GW15 | | KW10 | | | |
| | | | | | | Pitch | | | | R | L | R | L | R | L | R | L | | | |
| | | | | | | TPI | | | | R | L | R | L | R | L | R | L | | | |
| Full Profile | | 16E ^{R/L} 24UN-TF 20UN-TF 18UN-TF 16UN-TF 14UN-TF 13UN-TF 12UN-TF 10UN-TF 08UN-TF | - | | | 24 | 0.12 | 0.80 | 60° | | | ● | | | | | | J30 | | |
| | | | | | | 20 | 0.15 | 1.00 | | | | ● | | | | | | | | |
| | | | | | | 18 | 0.18 | 1.00 | | | | ● | | | | | | | | |
| | | | | | | 16 | 0.20 | 1.10 | | | | ● | | | | | | | | |
| | | | | | | 14 | 0.23 | 1.50 | | | | ● | | | | | | | | |
| | | | | | | 13 | 0.25 | 1.50 | | | | ● | | | | | | | | |
| | | | | | | 12 | 0.27 | 1.50 | | | | ● | | | | | | | | |
| | | | | | | 10 | 0.34 | 1.50 | | | | ● | | | | | | | | |
| | | | | | | 8 | 0.43 | 1.75 | | | | ● | | | | | | | | |
| | | | | | | Full Profile | | 16E ^{R/L} 24UN 20UN 18UN 16UN 14UN 12UN | | TNN32E ^{R/L} 24UN 20UN 18UN 16UN 14UN 12UN | | | 24 | 0.13 | 0.8 | 60° | □ | | | ● |
| 20 | 0.16 | 1.0 | □ | | ● | | | | □ | | | | | | | | | | | |
| 18 | 0.18 | 1.0 | □ | | ● | | | | □ | | | | | | | | | | | |
| 16 | 0.20 | 1.1 | □ | | ● | | | | □ | | | | | | | | | | | |
| 14 | 0.23 | 1.5 | □ | | ● | | | | □ | | | | | | | | | | | |
| 12 | 0.27 | 1.5 | □ | | ● | | | | □ | | | | | | | | | | | |
| 22E ^{R/L} 08UN | TNN43E ^{R/L} 08UN | 8 | 0.43 | 2.1 | □ | | | | | | | | ● | □ | | | | | | |

Applicable Toolholder

For recommended cutting conditions, see page [J29](#)

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



External Threading Inserts

Parallel Pipe [G (PF)] Whitworth (W)

Full Profile 55°

| Description | Previous Description | A | T | ød | Classification of usage ● : 1st Choice ○ : 2nd Choice | P | | | | | | | Ref. Page for Depth of Cut & Number of Passes | | | | | | |
|--------------------------------|----------------------|---|--|----------------------|---|----------------------------|----|----------------|-----|-----------------|--------|--------|--|-------|-----------|------|--------------------|------|-----|
| | | | | | | Carbon Steel / Alloy Steel | ● | ○ | M | Stainless Steel | ● | ○ | | K | Cast Iron | N | Non-ferrous Metals | | |
| Insert | | Description | | Previous Description | | Applicable Thread | | Dimension (mm) | | Angle (°) | Cermet | | PVD Coated Carbide | | Carbide | | | | |
| Handed Insert shows Right-hand | | | | | | G (PF) | W | re | S | θ | TC60 | PR1115 | | PR930 | | GW15 | | KW10 | |
| | | | | | | Pitch | | | | | R | L | R | L | R | L | R | L | |
| | | | | | | TPI | | | | | R | L | R | L | R | L | R | L | |
| Full Profile | | 16E ^{R/L} 19W-TF 16W-TF 14W-TF 11W-TF | - | | | 19 | - | 0.16 | 1.0 | 55° | | | ● | | | | | | J31 |
| | | | | | | - | 16 | 0.19 | 1.1 | | | | ● | | | | | | |
| | | | | | | 14 | 14 | 0.23 | 1.5 | | | | ● | | | | | | |
| | | | | | | 11 | 11 | 0.30 | 1.5 | | | | ● | | | | | | |
| | | | | | | 19 | - | 0.16 | 1.0 | | □ | | ● | □ | | | | | |
| Full Profile | | 16E ^{R/L} 19W 14W 11W | TNN32E ^{R/L} 19W 14W 11W | | | 14 | 14 | 0.23 | 1.5 | □ | | ● | □ | | | | | | J31 |
| | | | | | | 11 | 11 | 0.30 | 1.5 | □ | | ● | □ | | | | | | |
| | | | | | | 19 | - | 0.16 | 1.0 | | | | | □ | | | | | |
| Full Profile | | 16E ^{R/L} 19W-TS 14W-TS 11W-TS | TNN32E ^{R/L} 19W-TS 14W-TS 11W-TS | | | 14 | 14 | 0.23 | 1.5 | | | | □ | | | | | J35 | |
| | | | | | | 11 | 11 | 0.30 | 1.5 | | | | | □ | | | | | |
| | | | | | | 19 | - | 0.16 | 1.0 | | | | | | □ | | | | |

Applicable Toolholder

For recommended cutting conditions, see page [J29](#)

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

| 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 |

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

Inserts are sold in 10 piece boxes.

● : Std. Item □ : Check Availability