для заказа - kyocera@kyocera-tools.ru



# Internal Threading Insert

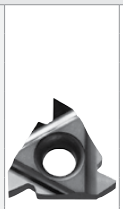
## Parallel Pipe [G(PF)], Tapered Pipe [Rc, (PT), (BSPT)], Whitworth (W)

55° Partial Profile (in)

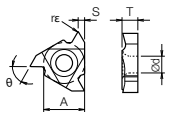
| Part Number | Previous Part Number | A | T | Ød |
|---|---|---|---|---|
| 06IR | TNN06IR | 0.156 | 0.075 | 0.091 |
| 08IR | TNN08IR | 0.187 | 0.094 | 0.091 |
| 11IR | TNN22IR | 0.250 | 0.125 | 0.118 |
| 16IR | TNN32IR | 0.375 | 0.145 | 0.157 |
| 22IR | TNN43IR | 0.500 | 0.193 | 0.191 |

**Classification of Usage**
● : Continuous / 1st Choice
○ : Continuous / 2nd Choice

| | | Cermet | PVD Coated Carbide | Carbide |
|---|---|---|---|---|
| P | Carbon Steel / Alloy Steel | | ● | |
| M | Stainless Steel | | ● | |
| K | Cast Iron | | | ● |
| N | Non-ferrous Metals | | | ● |

| Insert (Right-handed Insert Shown) | Part Number | Previous Part Number | Applicable Thread G(PF) Rc(PT) Pitch TPI | W | Dimensions (in) rε | S | Angle θ | Cermet TC60 R | Cermet TC60 L | PVD Coated Carbide PR1115 R | PVD Coated Carbide PR1115 L | Carbide GW15 R | Carbide GW15 L | Ref. Page for D.O.C. & Number of Passes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 11IR A55 | - | 28, 19 | 40~16 | 0.002 | 0.039 | 55° | | | ○ | | ○ | | |
| | 16IR A55 | | 28, 19 | 40~16 | 0.002 | 0.039 | | | | ○ | | ○ | | |
| | G55 | | 14, 11 | 14~8 | 0.009 | 0.067 | 55° | | | ○ | | ○ | | |
| | AG55 | | 28~11 | 40~8 | 0.002 | 0.067 | | | | ○ | | ○ | | |
| | 22IR N55 | | - | 7~5 | 0.019 | 0.098 | 55° | | | ○ | | ○ | | J40 |
| | 06IR 5501 | TNN06IR 5501 | 28 | 24 | 0.004 | 0.024 | 55° | | | ○ | | | | J41 |
| | 08IR 5501 | TNN08IR 5501 | 28, 19 | 24, 20 | 0.004 | 0.031 | 55° | | | ○ | | | | |
| | 11IR 55005 | TNN22IR 55005 | 28~14 | 24~14 | 0.002 | 0.043 | 55° | ○ | | | | | | |
| | 16IR 5501 | TNN32IR 5501 | 28~11 | 24~11 | 0.004 | 0.059 | 55° | ○ | | | | | | |
| | 5502 | 5502 | 14~11 | 16~11 | 0.008 | 0.059 | | ○ | | | | | | |

Partial Profile




Recommended Cutting Conditions J36

## Applicable Toolholders

| Part Number | Applicable Toolholders | Ref. Page for Toolholder |
|---|---|---|
| 06IR... | SINR...-06E | J21 |
| 08IR... | SINR...-08E | |
| 11IR... | SINR...-11E<br>SINR...-11 | |

| Part Number | Applicable Toolholders | Ref. Page for Toolholder |
|---|---|---|
| 16IR... | SINR...-16<br>CINR...-16 | J21 |
| 22IR... | SINR...-22<br>CINR...-22 | |

# Internal Threading Insert

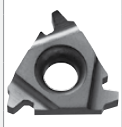
## Trapezoidal (Tr)

30° Partial Profile (mm)

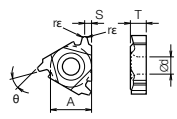
| Part Number | Previous Part Number | A | T | Ød |
|---|---|---|---|---|
| 16IR | TNN32IR | 9.525 | 3.68 | 4.0 |
| 22IR | TNN43IR | 12.70 | 4.9 | 4.85 |

**Classification of Usage**
● : Continuous / 1st Choice
○ : Continuous / 2nd Choice

| | | Cermet | PVD Coated Carbide |
|---|---|---|---|
| P | Carbon Steel / Alloy Steel | | ● |
| M | Stainless Steel | | ● |
| K | Cast Iron | | |
| N | Non-ferrous Metals | | |

| Insert (Right-handed Insert Shown) | Part Number | Previous Part Number | Applicable Thread Tr Pitch mm | Dimensions (mm) rε | S | Angle θ | Cermet TC60 R | Cermet TC60 L | PVD Coated Carbide PR1115 R | PVD Coated Carbide PR1115 L | Ref. Page for D.O.C. & Number of Passes |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 16IR 200TR | TNN32IR 200TR | 2.00 | 0.20 | 1.60 | 30° | | | ○ | | |
| | 300TR | 300TR | 3.00 | 0.20 | 1.60 | | | | ○ | | J41 |
| | 22IR 400TR | TNN43IR 400TR | 4.0 | 0.20 | 2.5 | 30° | | | ○ | | |
| | 500TR | 500TR | 5.0 | 0.20 | 2.5 | | | | ○ | | |

Partial Profile




Recommended Cutting Conditions J36

## Applicable Toolholders

| Part Number | Applicable Toolholders | Ref. Page for Toolholder |
|---|---|---|
| 16IR... | SINR...-16<br>CINR...-16 | J21 |
| 22IR... | SINR...-22<br>CINR...-22 | |

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

*PR1115/GW15 Threading Inserts are sold in 5 piece boxes.*

*TC60 Threading Inserts sold in 10 piece boxes.*

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● : U.S. Stock Standard
○ : World Express (Shipping: 7-10 Business Days)