

Applicable Toolholders & Inserts

The standard specification of the inch size thread is based on the dimension of 1/8 inch.

In Applicable Toolholder / Insert Lists on **J40~J43**, Right-hand Insert / Right-hand Toolholder descriptions are listed based on the previous TNN type inserts. For other applicable inserts / toolholders or stock availability of Left-hand, see each relevant page and **J46**.

Parallel Pipe: G(PF), Rp(PS)

| Nominal Thread Symbol (Previous Symbol) | TPI | External Thread (G) | | | Internal Thread (G, Rp) | | | Same Root's Radius | |
|---|-----|-----------------------------------|--|-------------------------------------|--|--|-------------------------------------|--------------------|-----------|
| | | Toolholder | Insert | | Toolholder | Insert | | | |
| | | | Partial Profile | Full Profile | | Partial Profile | Full Profile | | Bore Dia. |
| G 1/16 (-) | 28 | KTNR ○○○○□ -16 KTNSR ○○○○□ -16 | 16ERA55-TF | - | SINR0612S-06E (HPT J24) | 06IR5501 | - | 6.56 | 0.12 |
| G 1/8 (PF 1/8) | | | 16ERAG55-TF 16ERA55 16ERAG55 | | | | | 8.57 | |
| G 1/4 (PF 1/4) | 19 | KTNR ○○○○□ -16 KTNSR ○○○○□ -16 | 16ERA55-TF | 16ER19W-TF 16ER19W 16ER19W-TS | SINR0816S-08E (HPT J24) SINR1216S-11E (HPT J24) | 08IR5501 11IRA55 11IR55005 | - | 11.45 | 0.18 |
| G 3/8 (PF 3/8) | | | 16ERAG55-TF 16ERAG55 16ERAG55 | | | | | 14.95 | |
| G 1/2 (PF 1/2) | 14 | KTNR ○○○○□ -16 KTNSR ○○○○□ -16 | 16ERAG55-TF 16ERAG55-TF 16ERAG55 16ERAG55 | 16ER14W-TF 16ER14W 16ER14W-TS | SINR1516S-11 SINR2016S-16 SINR2420S-16 | 11IR55005 16IRAG55 16IRG55 16IR5501 16IR5502 | - | 18.63 | 0.25 |
| G 5/8 (PF 5/8) | | | | | | | | 20.59 | |
| G 3/4 (PF 3/4) | | | | | | | | 24.12 | |
| G 7/8 (PF 7/8) | | | | | | | | 27.88 | |
| G 1 (PF 1) | 11 | KTNR ○○○○□ -16 KTNSR ○○○○□ -16 | 16ERAG55-TF 16ERAG55-TF 16ERAG55 16ERAG55 | 16ER11W-TF 16ER11W 16ER11W-TS | SINR2420S-16 CINR3025S-16 CINR3732S-16 | 16IRAG55 16IRG55 16IR5501 16IR5502 | 16IR11W-TF 16IR11W 16IR11W-TS | 30.29 | 0.32 |
| G 1 1/8 (PF 1 1/8) | | | | | | | | 34.94 | |
| G 1 1/4 (PF 1 1/4) | | | | | | | | 38.95 | |
| Hereafter, all the threads are 11 TPI and the root's radius 0.32. The same tool for G1 1/4 is recommended. | | | | | | | | | |

Tapered Pipe: R, Rc(PT)(BSPT)

| Nominal Thread Symbol (Previous Symbol) | TPI | External Thread (G) | | | Internal Thread (G, Rp) | | | Same Root's Radius |
|--|-----|-----------------------------------|---|--|---|---|--|--------------------|
| | | Toolholder | Insert | | Toolholder | Insert | | |
| | | | Partial Profile | Full Profile | | Partial Profile | Full Profile | |
| R 1/16, Rc 1/16 (-) | 28 | KTNR ○○○○□ -16 KTNSR ○○○○□ -16 | (16ERA55-TF) | 16ER28BSPT-TF 16ER28BSPT | SINR0612S-06E (HPT J24) | 06IR5501 | - | 0.12 |
| R 1/8, Rc 1/8 (PT 1/8) | | | (16ERAG55-TF) (16ERA55) (16ERAG55) | | | | | |
| R 1/4, Rc 1/4 (PT 1/4) | 19 | KTNR ○○○○□ -16 KTNSR ○○○○□ -16 | (16ERA55-TF) | 16ER19BSPT-TF 16ER19BSPT 16ER19BSPT-TS | SINR0816S-08E (HPT J24) SINR1216S-11E (HPT J24) | 08IR5501 (11IRA55) (11IRA55005) | - | 0.18 |
| R 3/8, Rc 3/8 (PT 3/8) | | | (16ERAG55-TF) (16ERAG55) (16ERAG55) | | | | | |
| R 1/2, Rc 1/2 (PT 1/2) | 14 | KTNR ○○○○□ -16 KTNSR ○○○○□ -16 | (16ERAG55-TF) | 16ER14BSPT-TF 16ER14BSPT 16ER14BSPT-TS | SINR1516S-11 SINR2016S-16 | (11IR55005) | 11IR14BSPT-TF 11IR14BSPT-TS | 0.25 |
| R 3/4, Rc 3/4 (PT 3/4) | | | (16ERAG55-TF) (16ERAG55) (16ERAG55) | | | | | |
| R 1, Rc 1 (PT 1) | 11 | KTNR ○○○○□ -16 KTNSR ○○○○□ -16 | (16ERAG55-TF) | 16ER11BSPT-TF 16ER11BSPT 16ER11BSPT-TS | SINR2420S-16 CINR3025S-16 CINR3732S-16 | (16IRAG55) (16IRG55) (16IR5501) (16IR5502) | 16IR11BSPT-TF 16IR11BSPT 16IR11BSPT-TS | 0.32 |
| R 1 1/4, Rc 1 1/4 (PT 1 1/4) | | | (16ERAG55-TF) (16ERAG55) (16ERAG55) | | | | | |
| R 1 1/2, Rc 1 1/2 (PT 1 1/2) | | | (16ERAG55-TF) (16ERAG55) (16ERAG55) | | | | | |
| Hereafter, all the threads are 11 TPI and the root's radius 0.32. The same tool for R1 1/2 is recommended. | | | | | Hereafter, all the threads are 11 TPI and the root's radius 0.32. The same tool for Rc1 1/2 is recommended. | | | |

1) The largest size of minimum diameter holder is recommended for internal threading holders.

Therefore it is available if minimum diameter is smaller than recommended holders.

(ex.) SINR2420S-16 (Min. Bore Dia.: ø24mm) is recommended for the Tool of G7/8 Internal Threading from the above Table, but

SINR2016S-16 can also be used.

2) When using "Partial Profile" for Tapered Pipe threading, thread's corners become sharp edged, and the shape will not be the same as the standard shape for Tapered Pipe.