

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		Bore Dia.	
				Partial Profile		Full Profile			Partial Profile
G 1/16 (-) G 1/8 (PF 1/8)	28	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	16ERA55-TF 16ERAG55-TF 16ERA55 16ERAG55	-	SINR0612S-06E	06IR5501	-	6.56 8.57	0.12
G 1/4 (PF 1/4) G 3/8 (PF 3/8)	19	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	16ERA55-TF 16ERAG55-TF 16ERA55 16ERAG55	16ER19W-TF 16ER19W 16ER19W-TS	SINR0816S-08E SINR1216S-11E	08IR5501 11IR55005	- -	11.45 14.95	0.18
G 1/2 (PF 1/2) G 5/8 (PF 5/8) G 3/4 (PF 3/4) G 7/8 (PF 7/8)	14	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	16ERAG55-TF 16ERG55-TF 16ERAG55 16ERG55	16ER14W-TF 16ER14W 16ER14W-TS	SINR1516S-11	11IR55005	-	18.63	0.25
					SINR2016S-16	16IRAG55 16IRG55 16IR5501 16IR5502	16IR14W-TF 16IR14W 16IR14W-TS	20.59	
G 1 (PF 1) G 1 1/8 (PF 1 1/8) G 1 1/4 (PF 1 1/4)	11	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	16ERAG55-TF 16ERG55-TF 16ERAG55 16ERG55	16ER11W-TF 16ER11W 16ER11W-TS	SINR2420S-16	16IRAG55 16IRG55 16IR5501 16IR5502	16IR11W-TF 16IR11W 16IR11W-TS	30.29	0.32
					CINR3025S-16			34.94	
					CINR3732S-16			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	TPI	External Thread (G)			Internal Thread (G, Rp)				Same Root's Radius
Symbol (Previous Symbol)		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) (16ERAG55-TF) (16ERA55) (16ERAG55)	16ER28BSPT-TF 16ER28BSPT	SINR0612S-06E	06IR5501	-		0.12
R ¹ / ₈ , Rc ¹ / ₈ (PT ¹ / ₈)									
R ¹ / ₄ , Rc ¹ / ₄ (PT ¹ / ₄)	19	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	(16ERA55-TF) (16ERAG55-TF) (16ERA55) (16ERAG55)	16ER19BSPT-TF 16ER19BSPT 16ER19BSPT-TS	SINR0816S-08E	08IR5501	-		0.18
R ³ / ₈ , Rc ³ / ₈ (PT ³ / ₈)			SINR1216S-11E	(11IRA55) (11IRA55005)	11IR19BSPT-TF 11IR19BSPT 11IR19BSPT-TS				
R ¹ / ₂ , Rc ¹ / ₂ (PT ¹ / ₂)	14	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	(16ERAG55-TF) (16ERG55-TF) (16ERAG55) (16ERG55)	16ER14BSPT-TF 16ER14BSPT 16ER14BSPT-TS	SINR1516S-11	(11IR55005)	11IR14BSPT-TF 11IR14BSPT-TS		0.25
R ³ / ₄ , Rc ³ / ₄ (PT ³ / ₄)			SINR2016S-16		16IR14BSPT-TF 16IR14BSPT 16IR14BSPT-TS				
R 1, Rc 1 (PT 1)	11	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	(16ERAG55-TF) (16ERG55-TF) (16ERAG55) (16ERG55)	16ER11BSPT-TF 16ER11BSPT 16ER11BSPT-TS	SINR2420S-16	(16IRAG55) (16IRG55) (16IR5501) (16IR5502)	16IR11BSPT-TF 16IR11BSPT 16IR11BSPT-TS		0.32
R ¹ / ₄ , Rc ¹ / ₄ (PT ¹ / ₄)					CINR3025S-16				
R ¹ / ₂ , Rc ¹ / ₂ (PT ¹ / ₂)					CINR3732S-16				
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.