

American National Tapered Pipe: NPT

Nominal Thread	TPI	External Thread			Internal Thread		
		Toolholder	Insert		Toolholder	Insert	
			Partial Profile	Full Profile		Partial Profile	Full Profile
1/16 NPT 1/8 NPT	27	KTTR ○○○○□ -16 KTTXR ○○○○□ -16F	TT32R6000 TTX32R6000	-	No Tools Available		
1/4 NPT 3/8 NPT	18	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	-	16ER18NPT	PSH Sleeve (See J26)	HPTR06005-60-005 HPTR07507-60-005	-
1/2 NPT 3/4 NPT	14	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	-	16ER14NPT	PSH Sleeve (See J26)	HPTR07507-60-005	-
1/2 NPT	14	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	-	16ER14NPT	No Tools Available		
3/4 NPT					SINR2016S-16	-	16IR14NPT
1 NPT	11.5	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	-	16ER11.5NPT	SINR2420S-16		
1 1/4 NPT					CINR3025S-16		
1 1/2 NPT 2 NPT					CINR3732S-16	-	16IR11.5NPT

• Application of NPTF Thread

NPTF is the thread for sealing pipes without using any sealing material.

Thread symbol is similar to NPT but the Tolerance is different from that of NPT, therefore the above Inserts are not available for NPTF.

30°Trapezoidal: Tr

The JIS Standard Trapezoidal Size to be machined by TNN Insert are shown.

Nominal Thread	Pitch (mm)	External Thread			Internal Thread			Bore Dia.
		Toolholder	Insert		Toolholder	Insert		
			Partial Profile	Full Profile		Partial Profile	Full Profile	
Tr 16X2 Tr 18X2 Tr 20X2	2	No Tools Available			No Tools Available	-	-	14.00 16.00 18.00
Tr 22X3 Tr 24X3 Tr 26X3	3	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	16ER200TR	-	No Tools Available	-	-	19.00 21.00 23.00
Tr 28X3 Tr 30X3 Tr 32X3	3				SINR2016S-16	16IR300TR	-	25.00 27.00 29.00
Tr 34X3 Tr 36X3 Tr 38X3 Tr 40X3					SINR2420S-16	16IR300TR	-	31.00 33.00 35.00 37.00
Tr 42X3 Tr 44X3 Tr 46X3 Tr 48X3 Tr 50X3 Tr 52X3 Tr 55X3 Tr 60X3 Tr 65X3	3	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	16ER300TR	-	CINR3025S-16	16IR300TR	-	39.00 41.00 43.00 45.00 47.00 49.00 52.00 57.00 62.00
Tr 70X4 Tr 75X4 Tr 80X4 Tr 90X4 Tr 95X4 Tr 100X4 Tr 105X4 Tr 110X4	4				KTNR ○○○○□ -22	22ER400TR	-	CINR3732S-22

• TM Thread

TM Thread (old JIS 30°Trapezoidal Thread) has been discontinued. But if the "Nominal Dia. X Pitch" is the same, the above Tr Thread can be used.

• TW Thread

TW Thread is 29°Trapezoidal Thread, therefore the above Inserts are not available.

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Threading