

American National Pipe: NPT

Nominal Thread	TPI	External Thread			Internal Thread			
		Toolholder	Insert		Toolholder	Insert		
			Partial Profile	Full Profile		Partial Profile	Full Profile	
$\frac{1}{16}$ NPT $\frac{1}{8}$ NPT	27	KTTR ○○○○□ -16 KTTRX ○○○○□ -16F	TT32R6000 TTX32R6000	-	No Tools Available			
$\frac{1}{4}$ NPT $\frac{3}{8}$ NPT	18	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	-	16ER18NPT	No Tools Available	-	-	
$\frac{1}{2}$ NPT	14	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	-	16ER14NPT	No Tools Available	-	-	
$\frac{3}{4}$ NPT					SINR2016S-16	-	16IR14NPT	
1 NPT	11.5	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	-	16ER11.5NPT	SINR2420S-16	-	16IR11.5NPT	
1 $\frac{1}{4}$ NPT					CINR3025S-16			
1 $\frac{1}{2}$ NPT 2 NPT					CINR3732S-16			

• 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			
		Toolholder	Insert		Toolholder	Insert		Bore Dia.
			Partial Profile	Full Profile		Partial Profile	Full Profile	
Tr 16X2	2	No Tools Available			No Tools Available	-	-	14.00
Tr 18X2		KTNR ○○○○□ -16 KTNSR ○○○○□ -16	16ER200TR	-				16.00
Tr 20X2								18.00
Tr 22X3	3	KTNR ○○○○□ -16 KTNSR ○○○○□ -16	16ER300TR	-	No Tools Available	-	-	19.00
Tr 24X3	3				SINR2016S-16	16IR300TR	-	21.00
Tr 26X3								23.00
Tr 28X3	3				SINR2420S-16	16IR300TR	-	25.00
Tr 30X3								27.00
Tr 32X3								29.00
Tr 34X3					CINR3025S-16	16IR300TR	-	31.00
Tr 36X3								33.00
Tr 38X3								35.00
Tr 40X3								37.00
Tr 42X3	3				CINR3732S-16	16IR300TR	-	39.00
Tr 44X3								41.00
Tr 46X3								43.00
Tr 48X3								45.00
Tr 50X3								47.00
Tr 52X3								49.00
Tr 55X3								52.00
Tr 60X3								57.00
Tr 65X3	62.00							
Tr 70X4	4	KTNR ○○○○□ -22	22ER400TR	-	CINR3732S-22	22IR400TR	-	66.00
Tr 75X4								72.00
Tr 80X4								81.00
Tr 90X4								86.00
Tr 95X4								91.00
Tr 100X4								96.00
Tr 105X4								101.00
Tr 110X4								106.00

• 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