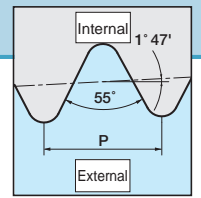


# Threading Inserts



## External Threading Inserts

### Tapered Pipe [R (PT) (BSPT)]

Full Profile 55° (mm)

Description	Previous Description	A	T	ød
16E <sup>R/L</sup>	TNN32E <sup>R/L</sup>	9.525	3.68	4.0

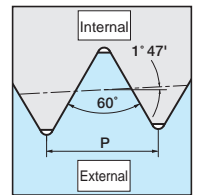
Classification of usage ● : 1st Choice ○ : 2nd Choice	P	Carbon Steel / Alloy Steel		●	○			
	M	Stainless Steel			●	○		
K	Cast Iron							●
N	Non-ferrous Metals							●

Insert	Description	Previous Description	Applicable Thread		Dimension (mm)		Angle (°)	Cermet		PVD Coated Carbide			Carbide			Ref. Page for Depth of Cut & Number of Passes		
			R (PT) (BSPT)	Pitch	r <sub>e</sub>	S		TC60	PR1115	PR930	GW15	KW10						
			TPI	θ	R	L	R	L	R	L	R	L	R	L				
Full Profile Handed Insert shows Right-hand		-	28	0.10	0.8	55°										J31		
			19	0.16	1.0													
			14	0.22	1.6													
			11	0.29	1.6													
		TNN32E <sup>R/L</sup>	28PT	0.10	0.8													
			19PT	0.16	1.0													
			14PT	0.22	1.6													
			11PT	0.29	1.6													
		TNN32E <sup>R/L</sup>	19PT-TS	0.16	1.0													J35
			14PT-TS	0.22	1.6													
			11PT-TS	0.29	1.6													
			11PT-TS	0.29	1.6													

### Applicable Toolholder

For recommended cutting conditions, see page [J29](#)

Description	Applicable Toolholder	Ref. Page for Toolholder
16ER ...	KTNR...16 KTNSR...16	J16



## External Threading Inserts

### American National Tapered Pipe (NPT60°)

Full Profile 60° (mm)

Description	Previous Description	A	T	ød
16E <sup>R/L</sup>	TNN32E <sup>R/L</sup>	9.525	3.68	4.0

Classification of usage ● : 1st Choice ○ : 2nd Choice	P	Carbon Steel / Alloy Steel		●	○			
	M	Stainless Steel			●	○		
K	Cast Iron							●
N	Non-ferrous Metals							●

Insert	Description	Previous Description	Applicable Thread		Dimension (mm)		Angle (°)	Cermet		PVD Coated Carbide			Carbide			Ref. Page for Depth of Cut & Number of Passes
			NPT	Pitch	r <sub>e</sub>	S		TC60	PR1115	PR930	GW15	KW10				
			TPI	θ	R	L	R	L	R	L	R	L	R	L		
Full Profile Handed Insert shows Right-hand		TNN32E <sup>R/L</sup>	18NPT	18	0.04	0.9	60°									J31
			14NPT	14	0.05	1.5										
			11.5NPT	11.5	0.06	1.5										

### Applicable Toolholder

For recommended cutting conditions, see page [J29](#)

Description	Applicable Toolholder	Ref. Page for Toolholder
16ER ...	KTNR...16 KTNSR...16	J16

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