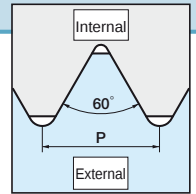


Threading Inserts

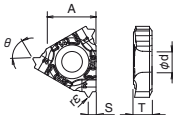
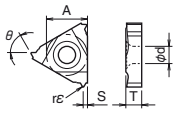


External Threading Inserts

Unified (UN)

Full Profile 60°

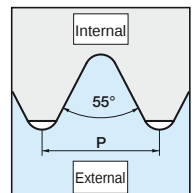
(mm)

Full Profile 60°					(mm)	Classification of usage		P	Carbon Steel / Alloy Steel			○	●			Ref. Page for Depth of Cut & Number of Passes												
Description	Previous Description	A	T	∅d	● : 1st Choice ○ : 2nd Choice	M	Stainless Steel			○	●																	
16E ^{R/L}	TNN32E ^{R/L}	9.525	3.68	4.0		K	Cast Iron																					
22E ^{R/L}	TNN43E ^{R/L}	12.70	4.9	4.9		N	Non-ferrous Metals																					
Insert		Description		Previous Description		Applicable Thread		Dimension (mm)		Angle (°)		Cermet		PVD Coated Carbide				Carbide										
Handed Insert shows Right-hand						UN, UNF		rε		S		θ		TC60		PR630		PR930		PR1115		GW15		KW10				
						Pitch								R	L	R	L	R	L	R	L	R	L	R	L			
						TPI																						
Full Profile			16E ^{R/L} 24UN-TF		-	24	0.12	0.80	60°																			
			20UN-TF			20	0.15	1.00																				
			18UN-TF			18	0.18	1.00																				
			16UN-TF			16	0.20	1.10																				
			14UN-TF			14	0.23	1.50																				
			13UN-TF			13	0.25	1.50																				
			12UN-TF			12	0.27	1.50																				
			10UN-TF			10	0.34	1.50																				
			08UN-TF			8	0.43	1.75																				
			Full Profile				16E ^{R/L} 24UN			TNN32E ^{R/L} 24UN	24	0.13	0.8	60°	●			●										
20UN					20UN		20	0.16	1.0	●			●															
18UN					18UN		18	0.18	1.0	●			●															
16UN					16UN		16	0.20	1.1	●			●															
14UN					14UN		14	0.23	1.5	●			●															
12UN					12UN		12	0.27	1.5	●			●															
22E ^{R/L} 08UN		TNN43E ^{R/L} 08UN			8		0.43	2.1	●			●			●													

Applicable Toolholder

For recommended cutting conditions, see page J29

Description	Applicable Toolholder	Ref. Page for Toolholder
16ER ...	KTNR...-16	J16
22ER ...	KTNSR...-16	
	KTNR...-22	

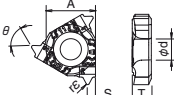


External Threading Inserts

Parallel Pipe [G (PF)] Whitworth (W)

Full Profile 55°

(mm)

● Parallel Pipe [G (PF)] Whitworth (W)					Classification of usage		P		Carbon Steel / Alloy Steel		○		●				Ref. Page for Depth of Cut & Number of Passes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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16E ^{R/L}		TNN32E ^{R/L}		9.525		3.68		4.0		N		Non-ferrous Metals																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Full Profile			16E ^{R/L} 19W-TF 16W-TF 14W-TF 11W-TF	-	19	-	0.16	1.0	55°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

Applicable Toolholder

For recommended cutting conditions, see page J29

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

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

PR930 / PR1115 / GW15

(Threading Insert) is sold in 5 piece boxes.

Inserts are sold

in 10 piece boxes. kyocera@kyocera-tools.ru
www.kyocera-tools.ru

● : Std. Item ○ : Check Availability

R : Std. Item (R-hand Only) L : Std. Item (L-hand Only)