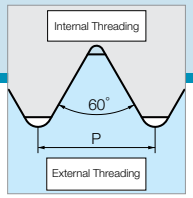
для заказа - kyocera@kyocera-tools.ru



External Threading Insert

Unified (UN)

60° Full Profile (in)

Part Number	Previous Part Number	A	T	Ød
16ER	TNN32ER	0.375	0.145	0.157
22ER	TNN43ER	0.500	0.193	0.191

Classification of Usage
● : Continuous / 1st Choice
○ : Continuous / 2nd Choice

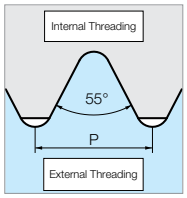
P	Carbon Steel / Alloy Steel		●	
M	Stainless Steel		●	
K	Cast Iron			
N	Non-ferrous Metals			

Insert (Right-handed Insert Shown)	Part Number	Previous Part Number	Applicable Thread UN, UNF Pitch TPI	Dimensions (in) rε	S	Angle θ	Cermet TC60 R	Cermet TC60 L	PVD Coated Carbide PR1115 R	PVD Coated Carbide PR1115 L	Carbide GW15 R	Carbide GW15 L	Ref. Page for D.O.C. & Number of Passes
Full Profile	16ER 24UN-TF	-	24	0.0047	0.0315	60°			●				J37
	16ER 20UN-TF		20	0.0059	0.0394				●				
	16ER 18UN-TF		18	0.0071	0.0394				●				
	16ER 16UN-TF		16	0.0079	0.0433				●				
	16ER 14UN-TF		14	0.0091	0.0591				●				
	16ER 13UN-TF		13	0.0098	0.0591				●				
	16ER 12UN-TF		12	0.0106	0.0591				●				
	16ER 10UN-TF		10	0.0134	0.0591				●				
	16ER 08UN-TF		8	0.0169	0.0689				●				
	16ER 24UN	TNN32ER 24UN	24	0.0051	0.0315	60°	●						
	16ER 20UN	TNN32ER 20UN	20	0.0063	0.0394		●						
	16ER 18UN	TNN32ER 18UN	18	0.0071	0.0394		●						
	16ER 16UN	TNN32ER 16UN	16	0.0079	0.0433		●						
	16ER 14UN	TNN32ER 14UN	14	0.0091	0.0591		●						
	16ER 12UN	TNN32ER 12UN	12	0.0106	0.0591		●						
	22ER 08UN	TNN43ER 08UN	8	0.0169	0.0827	60°	●		○				

Recommended Cutting Conditions J36

Applicable Toolholders

Part Number	Applicable Toolholders	Ref. Page for Toolholder
16ER...	KTNR...-16 KTNSR...-16	J20
22ER...	KTNR...-22	



External Threading Insert

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

55° Full Profile (in)

Part Number	Previous Part Number	A	T	Ød
16ER	TNN32ER	0.375	0.145	0.157

Classification of Usage
● : Continuous / 1st Choice
○ : Continuous / 2nd Choice

P	Carbon Steel / Alloy Steel		●	
M	Stainless Steel		●	
K	Cast Iron			
N	Non-ferrous Metals			

Insert (Right-handed Insert Shown)	Part Number	Previous Part Number	Applicable Thread G (PF)	Applicable Thread W	Pitch TPI	Dimensions (in) rε	S	Angle θ	Cermet TC60 R	Cermet TC60 L	PVD Coated Carbide PR1115 R	PVD Coated Carbide PR1115 L	Carbide GW15 R	Carbide GW15 L	Ref. Page for D.O.C. & Number of Passes
Full Profile	16ER 19W-TF	-	19	-		0.0063	0.0394	55°			○				J38
	16ER 16W-TF		-	16		0.0075	0.0433				○				
	16ER 14W-TF		14	14		0.0091	0.0591				○				
	16ER 11W-TF		11	11		0.0118	0.0591				○				
	16ER 19W	TNN32ER 19W	19	-		0.0063	0.0394	55°	○						
	16ER 14W	TNN32ER 14W	14	14		0.0091	0.0591		○						
	16ER 11W	TNN32ER 11W	11	11		0.0118	0.0591		○						

Recommended Cutting Conditions J36

Applicable Toolholders

Part Number	Applicable Toolholders	Ref. Page for Toolholder
16ER...	KTNR...-16 KTNSR...-16	J20

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

PR1115/GW15 Threading Inserts are sold in 5 piece boxes.

TC60 Threading Inserts sold in 10 piece boxes.

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