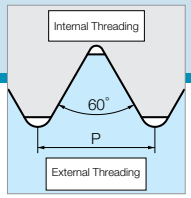
для заказа - kyocera@kyocera-tools.ru



External Threading Insert

Metric (M)

60° Full Profile (mm)

Part Number	Previous Part Number	A	T	Ød
16ER/L	TNN32ER/L	9.525	3.68	4.00
22ER/L	TNN43ER/L	12.70	4.9	4.85

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

		Cermet	PVD Coated Carbide	Carbide
P	Carbon Steel / Alloy Steel		●	
M	Stainless Steel		●	
K	Cast Iron			●
N	Non-ferrous			●

Insert (Right-handed Insert Shown)	Part Number	Previous Part Number	Applicable Thread M Pitch mm	Dimensions (mm) 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 100ISO-TF	-	1.00	0.12	0.80	60°			●				
	16ER 125ISO-TF		1.25	0.15	0.90				●				
	16ER 150ISO-TF		1.50	0.19	1.00				●				
	16ER 175ISO-TF		1.75	0.22	1.60				●				
	16ER 200ISO-TF		2.00	0.25	1.50				●				
	16ER 250ISO-TF		2.50	0.33	1.60				●				
	16ER 300ISO-TF		3.00	0.41	1.60				●				
	16ER/L 050ISO	TNN32ER/L 050M	0.50	0.06	0.40	60°	○		○	○	○		J37
	16ER/L 075ISO	075M	0.75	0.09	0.53		○		○	○	○		
	16ER/L 100ISO	100M	1.00	0.12	0.80		●			○	○		
	16ER/L 125ISO	125M	1.25	0.15	0.90		○			○	○		
	16ER/L 150ISO	150M	1.50	0.19	1.00		●			●	○		
	16ER/L 175ISO	175M	1.75	0.22	1.50		○						
	16ER/L 200ISO	200M	2.00	0.25	1.50		○			○	○		
	16ER/L 250ISO	250M	2.50	0.32	1.60		○				○		
	22ER 300ISO	TNN43ER 300M	3.00	0.41	2.10	60°	○						
	22ER 350ISO	350M	3.50	0.48	2.10		○		○				
	22ER 400ISO	400M	4.00	0.55	2.80		○		○				
	22ER 450ISO	450M	4.50	0.62	2.80		○		○				
	22ER 500ISO	500M	5.00	0.70	2.80		○		○				

Recommended Cutting Conditions ➡ J36

Applicable Toolholders

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

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

Threading Insert Identification System (Full Profile) ➡ J6~ J11

16 ① E ② R ③ 100 ④ ISO ⑤ -TF ⑥

① Insert Size	
11	6.350
16	9.525
22	12.70
Symbol	I.C. Size (mm)

② External / Internal	
E	External Threading
I	Internal Threading

③ Insert Hand	
R	Right hand
L	Left hand

④ Pitch	
Metric (M)	
100	Pitch 1.0mm
150	Pitch 1.5mm
Inch Screw Threading	
24	24 TPI
20	20 TPI
Full Profile	

⑤ Applicable Thread	
ISO	Metric (M)
M	Metric (M)
UN	Unified
W	Whitworth
BSPT	Tapered Pipe
NPT	American National Pipe
Full Profile	

⑥ Optional Code	
-TF	TF Cutting Edge

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

TC60 Threading Inserts sold in 10 piece boxes.

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