



## ISO Threading Insert Designation

# 16 E R 12 UN QMA

### Insert Grade Description

**QMA (P20-P40/K20-K30) Coated.**  
Sintered chipbreaker with a multi layer TiAlN PVD coated sub-micrograin grade. Provides high quality threads for most materials including exotic alloys and stainless steels. Best performance is achieved at medium to high cutting speeds.

- L**  
06  
08  
11  
16  
22  
27  
33

- I.C.**  
5/32"  
3/16"  
1/4"  
3/8"  
1/2"  
5/8"  
3/4"

**E = EXTERNAL**  
**I = INTERNAL**

**R = RIGHT HAND**  
**L = LEFT HAND**

#### FULL PROFILES:

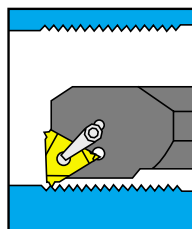
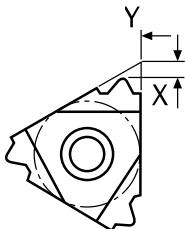
Pitch in mm: 0.35 - 8 or TPI (Threads per inch) 64 - 4

**CARBIDE GRADE**

#### PARTIAL PROFILES

A N  
G 60°  
AG 55°

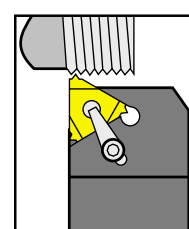
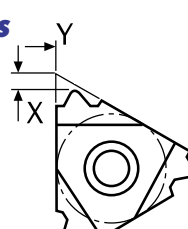
### Partial Profiles Internal Right Hand



60°

Insert Designation	Pitch Range		X mm	Y mm	Grade	Weight per 10	Order Code YML-121	List Price/1	Offer Price/1
	mm	TPI							
16 IR AG60	0.5-3.0	48-8	1.2	1.7	QMA	60g	-0208A	£12.15	£8.51

### Partial Profiles External Right Hand

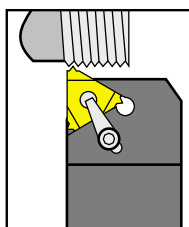
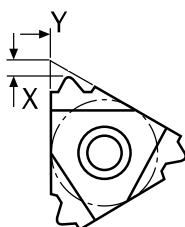


55°

Insert Designation	Pitch Range		X mm	Y mm	Grade	Weight per 10	Order Code YML-121	List Price/1	Offer Price/1
	mm	TPI							
16 ER AG55	0.5-3.0	48-8	1.2	1.7	QMA	60g	-0542A	£12.15	£8.51

### ISO Metric External Right Hand

11 ER Available on request.



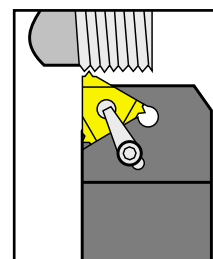
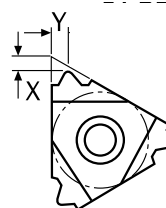
Insert Designation	TPI	X mm	Y mm	Grade	Weight per 10	Order Code YML-121	List Price/1	Offer Price/1
16 ER 1.00 ISO	1.00	0.7	0.7	QMA	70g	-1044Y	£12.15	£8.51
16 ER 1.25 ISO	1.25	0.8	0.9	QMA	70g	-1045J	£12.15	£8.51
16 ER 1.50 ISO	1.50	0.8	1.0	QMA	70g	-1045U	£12.15	£8.51
16 ER 1.75 ISO	1.75	0.9	1.2	QMA	65g	-1046E	£12.15	£8.51
16 ER 2.00 ISO	2.00	1.0	1.3	QMA	60g	-1046Q	£12.15	£8.51
16 ER 2.50 ISO	2.50	1.1	1.5	QMA	60g	-1047A	£12.15	£8.51
16 ER 3.00 ISO	3.00	1.2	1.6	QMA	60g	-1047L	£12.15	£8.51

60°

Insert Designation	Pitch Range	X mm	Y mm	Grade	Weight per 10	Order Code YML-121	List Price/1	Offer Price/1
	mm	TPI	mm	mm				
16 ER A60	0.5-1.5	48-16	0.8	0.9	QMA	60g	-0041Q	£12.15 £8.51
16 ER AG60	0.5-3.0	48-8	1.2	1.7	QMA	60g	-0042A	£12.15 £8.51

### UN External Right Hand

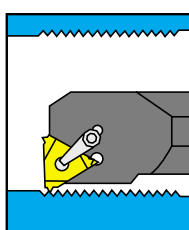
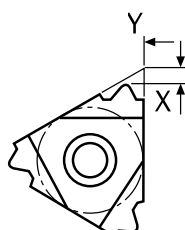
A full range of sizes are available on request.



Insert Designation	TPI	X mm	Y mm	Grade	Weight each	Order Code YML-121	List Price/1	Offer Price/1
16 ER 24 UN	24	0.7	0.8	QMA	7g	-1546Q	£12.15	£8.51
16 ER 20 UN	20	0.8	0.9	QMA	7g	-1547W	£12.15	£8.51
16 ER 18 UN	18	0.8	1.0	QMA	7g	-1548S	£12.15	£8.51
16 ER 14 UN	14	1.0	1.2	QMA	7g	-1549N	£12.15	£8.51
16 ER 12 UN	12	1.1	1.4	QMA	7g	-1550J	£12.15	£8.51
16 ER 8 UN	8	1.2	1.6	QMA	7g	-1552L	£12.15	£8.51

### ISO Metric Internal Right Hand

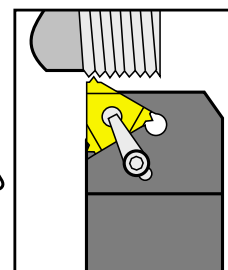
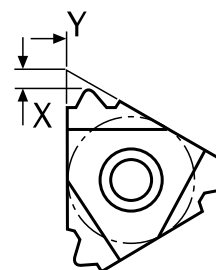
A full range of sizes are available on request.



Insert Designation	TPI	X mm	Y mm	Grade	Weight per 10	Order Code YML-121	List Price/1	Offer Price/1
16 IR 1.00 ISO	1.00	0.6	0.7	QMA	70g	-1210Y	£12.15	£8.51
16 IR 1.50 ISO	1.50	0.8	1.0	QMA	65g	-1211U	£12.15	£8.51
16 IR 2.00 ISO	2.00	1.0	1.3	QMA	65g	-1212Q	£12.15	£8.51
16 IR 2.50 ISO	2.50	1.1	1.5	QMA	60g	-1213L	£12.15	£8.51
16 IR 3.00 ISO	3.00	1.1	1.5	QMA	60g	-1213W	£12.15	£8.51

### Whitworth External Right Hand

A full range of sizes are available on request.



Insert Designation	TPI	X mm	Y mm	Grade	Order Code YML-121	List Price/1	Offer Price/1
16 ER 14 W	14	1.0	1.2	QMA	-2049N	£12.15	£8.51
16 ER 11 W	11	1.1	1.5	QMA	-2051E	£12.15	£8.51

### Metric B-Type Toolholder & Threading Kit

QMA grade inserts (P20 - P40, K20 - K30).  
Contents: 1x 16ER B 1.00 ISO insert, 1x 16ER B 1.25 ISO insert, 1x 16ER B 1.50 ISO insert, 1x 16ER B 1.75 ISO insert, 1x 16ER B 2.00 ISO insert, 1x DER 2020 K16 toolholder, 1x T15 torx key. Supplied in plastic tube.



Number of Pieces	Order Code	List Price/1	Offer Price/1
6	PRO-121 -0001A	£121.65	£44.99

### Whitworth Internal Right Hand

A full range of sizes are available on request.

Insert Designation	TPI	X mm	Y mm	Grade	Order Code YML-121	List Price/1	Offer Price/1
16 IR 14 W	14	1.0	1.2	QMA	-2215N	£12.15	£8.51
16 IR 11 W	11	1.1	1.5	QMA	-2217E	£12.15	£8.51