



## Type A Threading Inserts Code Key

Top Chipbreaker  
Secured by Coned Screw or Top Clamp  
Located Flat in Toolholder



**16 E R 10 UN**

- Cutting edge length, 11 mm, 16 mm or 22 mm length
- E = external  
I = internal
- Hand of tool  
R = right hand  
L = left hand



**Pitch/Groove Width**

Full Profile

mm	0.5	1.5
	0.7	1.75
	0.75	2.0
	0.8	2.5
	1.0	3.0
	1.25	3.5
TPI	24	13
	20	12
	18	11
	16	10
	14	9
		8

Partial Profile

- A = 0.5 - 1.5 mm
- 48 - 16 tpi
- AG = 0.5 - 3.0 mm
- 48 - 9 tpi
- G = 1.75 - 3.00 mm
- 14 - 8 tpi
- N = 3.5 - 5.0 mm
- 7 - 5 tpi

**Thread/Groove Standard**

- ISO = ISO, metric
- W = Whitworth
- BSPT = Whitworth, cone
- Un = Am. Un
- ASB = American standard buttress
- BSB = British standard buttress
- TR = Trapezoidal
- RD = Round
- ACME
- NPT = National Pipe Taper

NB. Type B, C + D - price on application

## Recommended Thread Passes

Pitch	0.5	1	1.25	1.5	2	2.5	3	4	5	6	8
TPI	48	24	20	16	12	10	8	6	5	4	3
No. of Passes	4-6	4-8	5-9	6-10	7-12	8-13	10-14	11-18	12-20	12-20	15-24

All inserts are PVD coated carbide - Grade GC10F or Grade PC3030T  
No minimum order quantity - you can order in one offs

	<p>Partial Profile 55° External + Internal</p>	<p>186</p>	
	<p>Partial Profile 60° External + Internal</p>	<p>186</p>	
	<p>ISO Metric External + Internal</p>	<p>186</p>	
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THREADING

THREADING/SCREW CUTTING



## Coated Threading Inserts



THREADING

## Partial Profile - External + Internal 60° + 55°

ALL INSERTS ARE PVD COATED CARBIDE - GRADE GC10F OR PC3030T

Description	2007 £
55° Partial Profile External Right	
16 ER A55	<b>7.78</b>
16 ER AG55	<b>7.78</b>
16 ER G55	<b>7.78</b>
22 ER N55	<b>11.26</b>
22 ER N55-U	<b>11.26</b>
27 ER Q55	<b>16.01</b>
60° Partial Profile External Right	
16 ER A60	<b>7.78</b>
16 ER AG60	<b>7.78</b>
16 ER G60	<b>7.78</b>
22 ER N60	<b>11.26</b>
22 ER N60-U	<b>11.26</b>
27 ER Q60	<b>16.01</b>

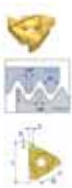


Description	2007 £
55° Partial Profile Internal Right	
16 NR A55	<b>7.78</b>
16 NR AG55	<b>7.78</b>
16 NR G55	<b>7.78</b>
22 NR N55	<b>11.26</b>
22 NR N55-U	<b>11.26</b>
27 NR Q55	<b>16.01</b>
60° Partial Profile Internal Right	
16 NR A60	<b>7.78</b>
16 NR AG60	<b>7.78</b>
16 NR G60	<b>7.78</b>
22 NR N60	<b>11.26</b>
22 NR N60-U	<b>11.26</b>
27 NR Q60	<b>16.01</b>



## ISO - EXTERNAL + INTERNAL

Description	2007 £
ISO External Right	
16 ER 0.50 ISO	<b>7.78</b>
16 ER 0.70 ISO	<b>7.78</b>
16 ER 0.75 ISO	<b>7.78</b>
16 ER 0.80 ISO	<b>7.78</b>
16 ER 1.00 ISO	<b>7.78</b>
16 ER 1.25 ISO	<b>7.78</b>
16 ER 1.5 ISO	<b>7.78</b>
16 ER 1.75 ISO	<b>7.78</b>
16 ER 2.0 ISO	<b>7.78</b>
16 ER 2.5 ISO	<b>7.78</b>
16 ER 3.0 ISO	<b>7.78</b>
22 ER 3.5 ISO	<b>11.26</b>
22 ER 4.0 ISO	<b>11.26</b>
22 ER 4.5 ISO	<b>11.26</b>
22 ER 5.0 ISO	<b>11.26</b>
22 ER 5.5 ISO-U	<b>11.26</b>
22 ER 6.0 ISO-U	<b>11.26</b>
22 ER 8.0 ISO-U	<b>11.26</b>
27 ER 5.5 ISO	<b>16.01</b>
27 ER 6.0 ISO	<b>16.01</b>
27 ER 8.0 ISO-U	<b>16.01</b>



Description	2007 £
ISO Internal Right	
16 NR 0.50 ISO	<b>7.78</b>
16 NR 0.70 ISO	<b>7.78</b>
16 NR 0.75 ISO	<b>7.78</b>
16 NR 0.80 ISO	<b>7.78</b>
16 NR 1.0 ISO	<b>7.78</b>
16 NR 1.25 ISO	<b>7.78</b>
16 NR 1.5 ISO	<b>7.78</b>
16 NR 1.75 ISO	<b>7.78</b>
16 NR 2.0 ISO	<b>7.78</b>
16 NR 2.5 ISO	<b>7.78</b>
16 NR 3.0 ISO	<b>7.78</b>
22 NR 3.5 ISO	<b>11.26</b>
22 NR 4.0 ISO	<b>11.26</b>
22 NR 4.5 ISO	<b>11.26</b>
22 NR 5.0 ISO	<b>11.26</b>
22 NR 5.5 ISO-U	<b>11.26</b>
22 NR 6.0 ISO-U	<b>11.26</b>
22 NR 8.0 ISO-U	<b>11.26</b>
27 NR 5.5 ISO	<b>16.01</b>
27 NR 6.0 ISO	<b>16.01</b>
27 NR 8.0 ISO-U	<b>16.01</b>

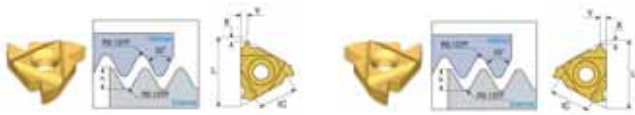


THREADING/SCREW CUTTING Threading Inserts

No minimum order quantity - you can order in one offs

### Whitworth - External + Internal

ALL INSERTS ARE PVD COATED CARBIDE – GRADE GC10F OR PC3030T



Description	2007 £
Whitworth External Right	
16 ER 8 W	7.78
16 ER 9 W	7.78
16 ER 10 W	7.78
16 ER 11 W	7.78
16 ER 12 W	7.78
16 ER 14 W	7.78
16 ER 16 W	7.78
16 ER 18 W	7.78
16 ER 19 W	7.78
16 ER 20 W	7.78
16 ER 22 W	7.78
16 ER 24 W	7.78
16 ER 26 W	7.78
16 ER 28 W	7.78
16 ER 30 W	7.78
16 ER 32 W	7.78
22 ER 4 W-U	11.26
22 ER 4.5 W-U	11.26
22 ER 5 W	11.26
22 ER 6 W	11.26
22 ER 7 W	11.26
27 ER 3 W-U	16.01
27 ER 3.5 W	16.01
27 ER 4 W	16.01

Description	2007 £
Whitworth Internal Right	
16 NR 8 W	7.78
16 NR 9 W	7.78
16 NR 10 W	7.78
16 NR 11 W	7.78
16 NR 12 W	7.78
16 NR 14 W	7.78
16 NR 16 W	7.78
16 NR 18 W	7.78
16 NR 19 W	7.78
16 NR 20 W	7.78
16 NR 22 W	7.78
16 NR 24 W	7.78
16 NR 26 W	7.78
16 NR 28 W	7.78
16 NR 30 W	7.78
16 NR 32 W	7.78
22 NR 4 W-U	11.26
22 NR 4.5 W-U	11.26
22 NR 5 W	11.26
22 NR 6 W	11.26
22 NR 7 W	11.26
27 NR 3 W-U	16.01
27 NR 3.5 W	16.01
27 NR 4 W	16.01

- Same day despatch until 6 pm
- Next day delivery
- 10,000 lines ex-stock
- Pre-discounted prices



THREADING

THREADING/SCREW CUTTING Threading Inserts



## Unified - External + Internal

ALL INSERTS ARE PVD COATED CARBIDE - GRADE GC10F OR PC3030T



THREADING

Description	2007 £
Unified External Right	
16 ER 8 UN	<b>7.78</b>
16 ER 9 UN	<b>7.78</b>
16 ER 10 UN	<b>7.78</b>
16 ER 11 UN	<b>7.78</b>
16 ER 12 UN	<b>7.78</b>
16 ER 13 UN	<b>7.78</b>
16 ER 14 UN	<b>7.78</b>
16 ER 16 UN	<b>7.78</b>
16 ER 18 UN	<b>7.78</b>
16 ER 20 UN	<b>7.78</b>
16 ER 24 UN	<b>7.78</b>
16 ER 27 UN	<b>7.78</b>
16 ER 28 UN	<b>7.78</b>
16 ER 32 UN	<b>7.78</b>
22 ER 4 UN-U	<b>11.26</b>
22 ER 4.5 UN-U	<b>11.26</b>
22 ER 5 UN	<b>11.26</b>
22 ER 6 UN	<b>11.26</b>
22 ER 7 UN	<b>11.26</b>
27 ER 3 UN	<b>16.01</b>
27 ER 4 UN	<b>16.01</b>
27 ER 4.5 UN	<b>16.01</b>

Description	2007 £
Unified Internal Right	
16 NR 8 UN	<b>7.78</b>
16 NR 9 UN	<b>7.78</b>
16 NR 10 UN	<b>7.78</b>
16 NR 11 UN	<b>7.78</b>
16 NR 12 UN	<b>7.78</b>
16 NR 13 UN	<b>7.78</b>
16 NR 14 UN	<b>7.78</b>
16 NR 16 UN	<b>7.78</b>
16 NR 18 UN	<b>7.78</b>
16 NR 20 UN	<b>7.78</b>
16 NR 24 UN	<b>7.78</b>
16 NR 27 UN	<b>7.78</b>
16 NR 28 UN	<b>7.78</b>
16 NR 32 UN	<b>7.78</b>
22 NR 4 UN-U	<b>11.26</b>
22 NR 6 UN	<b>11.26</b>
22 NR 7 UN	<b>11.26</b>
22 NR 7 UN	<b>11.26</b>
27 NR 3 UN	<b>16.01</b>
27 NR 4 UN	<b>16.01</b>
27 NR 4.5 UN	<b>16.01</b>

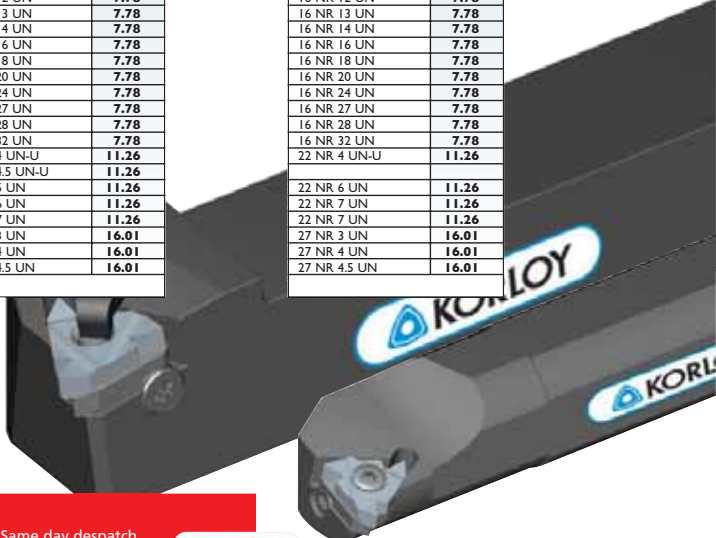
THREADING/SCREW CUTTING Threading Inserts

- Same day despatch until 6 pm
- Next day delivery
- 10,000 lines ex-stock
- Pre-discounted prices



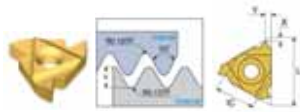
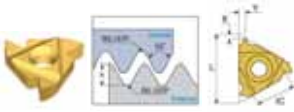
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**Pipe Threads**

WHITWORTH, CONE (BSPT 55°) – EXTERNAL + INTERNAL  
ALL INSERTS ARE PVD COATED CARBIDE – GRADE GC10F



Description	2007 £
Whitworth, Cone External Right	
16 ER 11 BSPT	<b>7.76</b>
16 ER 14 BSPT	<b>7.76</b>
16 ER 19 BSPT	<b>7.76</b>
16 ER 28 BSPT	<b>7.76</b>

Description	2007 £
Whitworth, Cone Internal Right	
16 NR 11 BSPT	<b>7.76</b>
16 NR 14 BSPT	<b>7.76</b>
16 NR 19 BSPT	<b>7.76</b>
16 NR 28 BSPT	<b>7.76</b>

**NATIONAL PIPE TAPER (NPT 60°) – EXTERNAL + INTERNAL**



Description	2007 £
National Pipe Taper External Right	
16 ER 8 NPT	<b>7.76</b>
16 ER 11.5 NPT	<b>7.76</b>
16 ER 14 NPT	<b>7.76</b>
16 ER 18 NPT	<b>7.76</b>
16 ER 27 NPT	<b>7.76</b>

Description	2007 £
National Pipe Taper Internal Right	
16 NR 8 NPT	<b>7.76</b>
16 NR 11.5 NPT	<b>7.76</b>
16 NR 14 NPT	<b>7.76</b>
16 NR 18 NPT	<b>7.76</b>
16 NR 27 NPT	<b>7.76</b>



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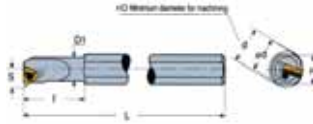
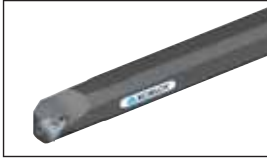


THREADING

THREADING/SCREW CUTTING Threading Inserts



### Screw on system



Designation	Stock		Specification								Parts				
	RH	LH	2007	H	L	ℓ	Ød	D1	S	d					
			£	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Screw for insert	Shim screw	Right hand shim	Left hand shim
IR(L)H13N-16	●	○	39.00	18.0	180	32	20	12.7	10.3	17					
IR(L)H16N-16	●	○	39.00	18.0	180	40	20	16.0	11.5	20	ST16N	-	-	-	TW10P
IR(L)H16DN-16	●	○	45.00	15.2	150	32	16	16.0	11.3	20					
IR(L)H20-16	●	○	45.00	18.0	180	40	20	20.0	13.4	24					
IR(L)H25-16	●	○	55.00	29.0	250	60	32	25.0	16.3	29					
IR(L)H25D-16	●	○	55.00	22.6	200	45	25	24.6	16.1	29	ST16	STA16	AT16	ATE16	TW10P
IR(L)H32-16	●	○	65.00	29.0	250	60	32	32.0	19.6	36					
IR(L)H40-16	●	○	85.00	36.0	300	60	40	40.0	23.8	44					
IR(L)H20N-22	●	○	45.00	18.0	180	50	20	20.0	15.6	27	ST22N	-	-	-	TW20P
IR(L)H25-22	●	○	55.00	29.0	250	60	32	25.0	17.4	32					
IR(L)H25D-22	●	○	55.00	22.6	200	45	25	24.6	17.2	32					
IR(L)H32-22	●	○	65.00	29.0	250	60	32	32.0	21.5	39	ST22	STA22	AT22	ATE22	TW20P
IR(L)H40-22	●	○	85.00	36.0	300	60	40	40.0	25.8	47					

\*Helix angle of every holder is 1.5°

\*N type : No shim required.

\*D type is a straight type that has same diameter through out whole shank.


-16 = 16NR Insert

-22 = 22NR Insert

**BRIGHT IDEAS!**

Tool not performing well or lasting long enough?


Please phone for technical advice and let us solve your problem



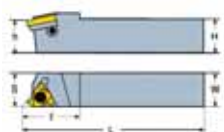
**BRIGHT IDEAS!**

Are you paying over the odds for your consignment stock?

E.mail or fax your tool list to us for a price comparison and see if we can save you around 30%




## Screw on system



Designation	Stock		Specification						Parts					
									Screw for insert	Shim screw	Right hand shim	Left hand shim	Wrench	
	RH	LH	2007 £	H=h	W	S	L	ℓ	(mm)					
ER(L)H12N-16	○	○	39.00	12	12	16	83.2	22	ST16N	-	-	-	-	TW10P
ER(L)H09-16	○	○	39.00	9.52	9.52	16	63.6	20.5	ST16	STA16	ATE16	ATI16	TW10P	
ER(L)H12-16	●	○	39.00	12	12	16	83.2	22						
ER(L)H16-16	●	○	42.50	16	16	16	100.0	20.5						
ER(L)H20-16	●	○	42.50	20	20	20	128.6	30						
ER(L)H25-16	●	●	47.50	25	25	25	153.6	30						
ER(L)H32-16	●	●	58.00	32	32	32	173.6	30	ST22	STA22	ATE22	ATI22	TW20P	
ER(L)H25-22	●	●	47.50	25	25	25	155.7	36						
ER(L)H32-22	●	●	58.00	32	32	32	175.7	36						
ER(L)H40-22	●	●	85.00	40	40	40	205.7	36						

\* Helix angle of every holder is 1.5°

\* N type : No shim required.

-16 = 16ER Insert

-22 = 22ER Insert

## Clamp on system



Designation	Stock		Specification						Parts				
									Shim screw	Clamp	Right hand shim	Left hand shim	Wrench
	RH	LH	2007 £	H=h	W	S	L	ℓ	(mm)				
ER(L)H20-16C	●	○	39.00	20	20	20	128.6	30	STA16	CTH16	ATE16	ATI16	TW10P TW15P
ER(L)H25-16C	●	○	42.50	25	25	25	153.6	30					
ER(L)H32-16C	●	○	52.50	32	32	32	173.6	30					
ER(L)H25-22C	●	○	42.50	25	25	25	155.7	36	STA22	CTH22	ATE22	ATI22	TW20P
ER(L)H32-22C	●	○	52.50	32	32	32	175.7	36					
ER(L)H40-22C	●	○	79.00	40	40	40	205.7	36					

\* Helix angle of every holder is 1.5°

\* N type : No shim required.

-16 = 16ER Insert

-22 = 22ER Insert