

## Royal Sets a New Standard for ER Collets

### Extremely Accurate

Runout is guaranteed to be 6 microns (**0.0002"** TIR), or better. Each collet is inspected to this standard prior to shipping.



### Heavy Duty Construction

Royal ER Collets are made from high-grade steels imported from Germany and are hardened for long life.

### Great Value

Very **competitive prices** ranging from \$16 – \$22 make these high-quality ER Collets the best value in the industry.

### Wide Gripping Range

Royal ER Collets contain 16 slots, providing a larger gripping range than other brands.

### Large Inventory

All sizes are **in stock**, ready for immediate shipment.

### Inch and Metric Sizes

Royal ER Collet are available in both **inch and metric sizes**. This optimizes the surface contact between the collet and cutting tool and results in higher accuracies, stronger grip force, better part finishes, and longer cutting tool life.

**For best Performance, be sure to use Royal Precision ER Collet Chucks.**

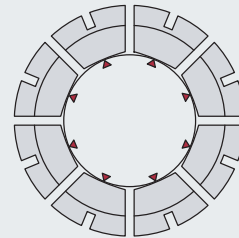


# ULTRA-PRECISION ER COLLETS 0.0002" TIR

## A Perfect Match to Your Cutting Tool Diameter

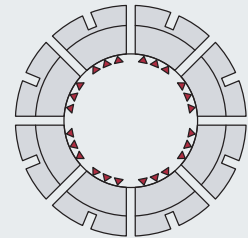
Royal ER Collets are available from stock in both inch and metric sizes. This is very important because it enables you to select a collet that has been ground to your precise cutting tool size.

Using a collet that is **perfectly matched to the cutting tool diameter** ensures that full surface contact is achieved, resulting in higher gripping force, better accuracy, less vibration, better surface finishes, and longer tool life.



**Other Brands**

Single Point Contact when Using Metric Collets to Hold Inch-Sized Tooling, or Vice Versa



**Royal Brand**

Full Surface Contact Because Royal ER Collets are Ground to Exact Inch and Metric Sizes



### Royal ER Collet Sets (Inch)

COLLET SERIES	RANGE	NUMBER OF COLLETS IN SET	CATALOG NO.	PRICE
ER-11	1/16"–1/4" x 32nds	7	53300	<b>\$119</b>
ER-16	1/16"–3/8" x 32nds	11	53302	<b>187</b>
ER-20	5/32"–1/2" x 32nds	12	53304	<b>228</b>
ER-25	5/32"–5/8" x 32nds	16	53306	<b>320</b>
ER-32	7/32"–3/4" x 32nds	18	53308	<b>360</b>
ER-40	1/8"–1" x 16ths	15	53310	<b>345</b>

### Royal ER Collet Sets (Metric)

COLLET SERIES	RANGE	NUMBER OF COLLETS IN SET	CATALOG NO.	PRICE
ER-11	1–7 mm x 1 mm	7	53700	<b>\$119</b>
ER-16	1–10 mm x 1 mm	10	53702	<b>170</b>
ER-20	2–13 mm x 1 mm	12	53704	<b>228</b>
ER-25	2–16 mm x 1 mm	15	53706	<b>300</b>
ER-32	3–20 mm x 1 mm	18	53708	<b>360</b>
ER-40	4–26 mm x 1 mm	23	53710	<b>529</b>

### Inch Sizes



**ER-11**  
**\$17**



**ER-16**  
**\$17**



**ER-20**  
**\$19**



**ER-25**  
**\$20**



**ER-32**  
**\$20**



**ER-40**  
**\$23**

### Royal Ultra-Precision ER Collets (Inch)

DRILL/ENDMILL DIAMETER	COLLET GRIP RANGE*	ER-11* \$17 EACH	ER-16 \$17 EACH	ER-20 \$19 EACH	ER-25 \$20 EACH	ER-32 \$20 EACH	ER-40 \$23 EACH
1/16"	.062 – .043	53002	53020	53050	53090		
3/32"	.093 – .054	53004	53022	53052	53092	53140	
1/8"	.125 – .086	53006	53024	53054	53094	53142	53200
5/32"	.156 – .117	53008	53026	53056	53096	53144	53202
3/16"	.187 – .148	53010	53028	53058	53098	53146	53204
7/32"	.218 – .179	53012	53030	53060	53100	53148	53206
1/4"	.250 – .211	53014	53032	53062	53102	53150	53208
9/32"	.281 – .242		53034	53064	53104	53152	53210
5/16"	.312 – .273		53036	53066	53106	53154	53212
11/32"	.343 – .304		53038	53068	53108	53156	53214
3/8"	.375 – .336		53040	53070	53110	53158	53216
13/32"	.406 – .367		53042	53072	53112	53160	53218
7/16"	.437 – .398			53074	53114	53162	53220
15/32"	.468 – .429			53076	53116	53164	53222
1/2"	.500 – .461			53078	53118	53166	53224
17/32"	.531 – .492				53120	53168	53226
9/16"	.562 – .523				53122	53170	53228
19/32"	.593 – .554				53124	53172	53230
5/8"	.625 – .586				53126	53174	53232
21/32"	.656 – .617					53176	53234
11/16"	.687 – .648					53178	53236
23/32"	.718 – .679					53180	53238
3/4"	.750 – .711					53182	53240
25/32"	.781 – .742					53184	53242
13/16"	.812 – .773					53186	53244
27/32"	.843 – .804						53246
7/8"	.875 – .836						53248
29/32"	.906 – .867						53250
15/16"	.937 – .898						53252
31/32"	.969 – .930						53254
1"	1.000 – .961						53256

\* Grip Range for ER-11 is 1/64".

# ULTRA-PRECISION ER COLLETS 0.0002" TIR

## Metric Sizes



## Royal Ultra-Precision ER Collets (Metric)

DRILL/ENDMILL DIAMETER	COLLET GRIP RANGE*	ER-11* \$17 EACH	ER-16 \$17 EACH	ER-20 \$19 EACH	ER-25 \$20 EACH	ER-32 \$20 EACH	ER-40 \$23 EACH
1 mm	1 – 0.5	53402	53430				
2 mm	2 – 1	53404	53432	53460	53502		
3 mm	3 – 2	53406	53434	53462	53504	53550	
4 mm	4 – 3	53408	53436	53464	53506	53552	53602
5 mm	5 – 4	53410	53438	53466	53508	53554	53604
6 mm	6 – 5	53412	53440	53468	53510	53556	53606
7 mm	7 – 6	53414	53442	53470	53512	53558	53608
8 mm	8 – 7		53444	53472	53514	53560	53610
9 mm	9 – 8		53446	53474	53516	53562	53612
10 mm	10 – 9		53448	53476	53518	53564	53614
11 mm	11 – 10			53478	53520	53566	53616
12 mm	12 – 11			53480	53522	53568	53618
13 mm	13 – 12			53482	53524	53570	53620
14 mm	14 – 13				53526	53572	53622
15 mm	15 – 14				53528	53574	53624
16 mm	16 – 15				53530	53576	53626
17 mm	17 – 16					53578	53628
18 mm	18 – 17					53580	53630
19 mm	19 – 18					53582	53632
20 mm	20 – 19					53584	53634
21 mm	21 – 20						53636
22 mm	22 – 21						53638
23 mm	23 – 22						53640
24 mm	24 – 23						53642
25 mm	25 – 24						53644
26 mm	26 – 25						53646

\* Grip Range for ER-11 is 0.5 mm.