



ROYAL LOW-PROFILE ACCU-LENGTH™ CNC COLLET CHUCKS

High RPM

All Royal CNC collet chucks are balanced by design for high-speed operation, and can often be run at higher speeds than conventional 3-jaw chucks because they are less prone to the negative effects of centrifugal force.

Spindle Bearing Protection

An oversized flange acts as a coolant slinger to protect lathe spindle bearings from contaminants.

Bolt & Go™

Our exclusive Bolt & Go™ mounting feature is standard on all Royal Low-Profile Collet Chuck models. Bolt & Go™ enables chucks to be mounted very quickly and ensures maximum accuracy and rigidity. See page 8 for additional information.

Completely Sealed

Lubricated for life, these chucks incorporate multiple O-ring seals to keep contaminants out and prevent chip pack-up on bore-thru applications.

Easy Installation

All Royal Low-Profile Collet Chucks include a collet wrench, lubricator, mounting hardware, mounting wrenches, and a custom-machined drawtube connector for **hassle-free installation**.

Note – Collets sold separately

Dead-Length Operation

Royal Accu-Length™ CNC Collet Chucks incorporate **dead-length operation to eliminate part pullback**. With this design, a tapered sleeve pushes forward over the collet to compress it, resulting in precise z-axis positioning.

Outstanding Rigidity

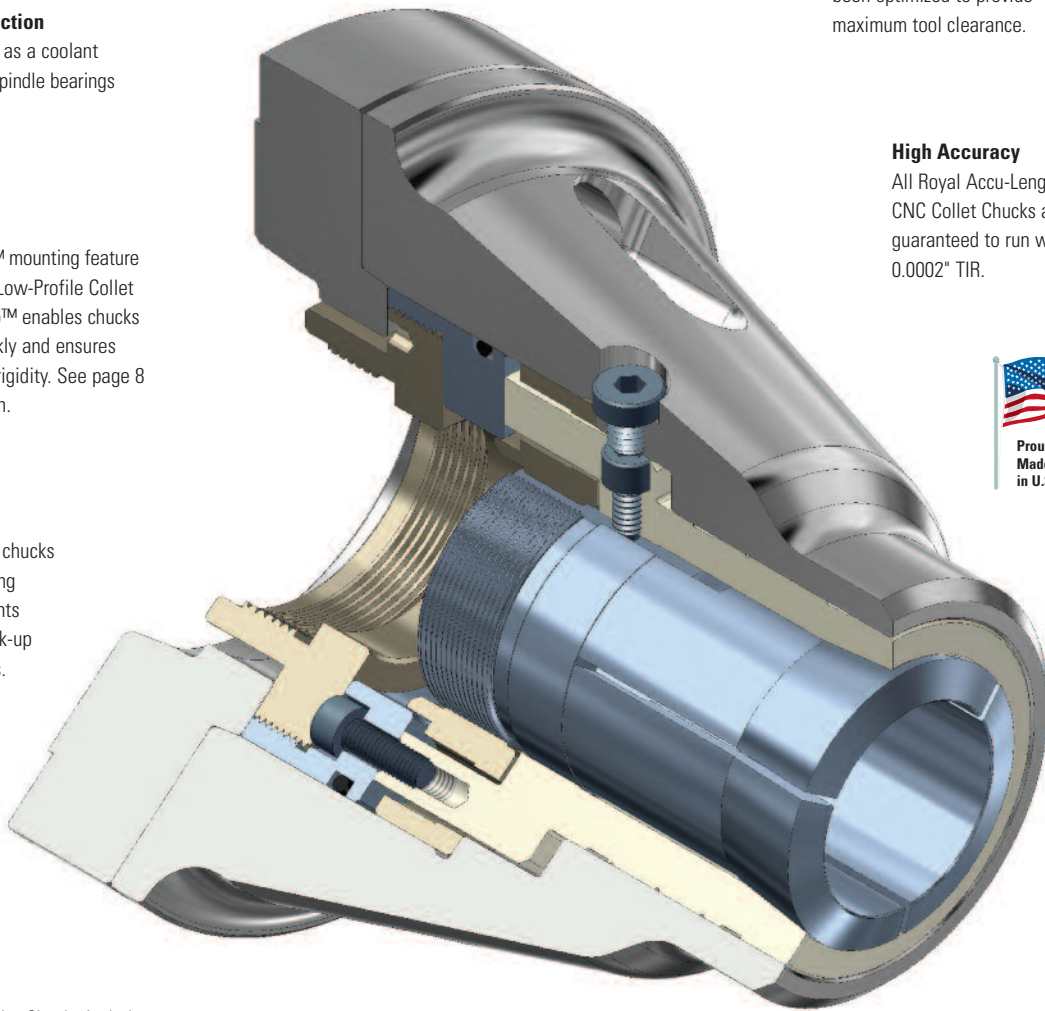
All Royal Accu-Length™ Collet Chucks have been optimized for maximum rigidity, and all components are hardened for strength and durability.

Low-Profile

All external dimensions have been optimized to provide maximum tool clearance.

High Accuracy

All Royal Accu-Length™ CNC Collet Chucks are guaranteed to run within 0.0002" TIR.



Specials

If you have a special application that goes beyond the scope of our standard line, we will be happy to design and build a custom system to meet your needs. Please contact a Royal applications engineer to discuss your requirements.

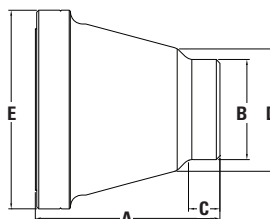
Wide Range

Royal manufactures a wide range of Accu-Length™ Collet Chucks to fit all popular spindle noses and collet styles.

ROYAL LOW-PROFILE ACCU-LENGTH™ CNC COLLET CHUCKS



- These chucks utilize spring-type collets and therefore do not provide the parallel grip functionality or wide gripping range of our Quick-Grip™ models.
- Dead-length operation – sleeve pushes forward to compress the collet, providing precise z-axis part positioning.
- Low-profile nose offers outstanding tool clearance.
- In-stock for same-day shipping.



Royal Low-Profile Accu-Length™ CNC Collet Chucks

SPINDLE TYPE	COLLET TYPE	CAPACITY	A OVERALL LENGTH	B NOSE DIAMETER	C NOSE LENGTH	D BODY DIAMETER	E FLANGE DIAMETER	CHUCK WEIGHT (lbs.)	MAX DRAWBAR FORCE (lbs.)	MAX CLAMPING FORCE (lbs.)	MAX RPM	PART NUMBER	PRICE
A2-5	5C	1 ¹ / ₁₆ "	5.75	2.43	1.00	4.00	6.45	21	4,000	13,600	6,000	42330	\$4,450
A2-6	5C	1 ¹ / ₁₆ "	5.75	2.43	1.00	4.00	7.45	21	4,000	13,600	6,000	42332	4,660
110mm	5C	1 ¹ / ₁₆ "	5.55	2.43	1.00	4.00	6.45	21	4,000	13,600	6,000	42334	4,660
140mm	5C	1 ¹ / ₁₆ "	4.45	2.43	1.00	4.00	6.45	13	4,000	13,600	6,000	42336	4,660
A2-5	16C	1 ⁵ / ₁₆ "	6.50	3.25	1.03	3.80	6.45	25	5,400	18,300	6,000	42338	4,880
A2-6	16C	1 ⁵ / ₁₆ "	6.25	3.25	1.03	3.80	7.45	25	5,400	18,300	6,000	42340	5,050
A2-8	16C	1 ⁵ / ₁₆ "	7.25	3.25	1.03	3.67	9.45	51	5,400	18,300	4,500	42342	5,200
110mm	16C	1 ⁵ / ₁₆ "	6.30	3.25	1.03	3.80	6.45	25	5,400	18,300	6,000	42337	5,050
A2-5	3J	1 ³ / ₄ "	6.23	3.25	1.03	3.97	6.45	24	5,400	26,300	6,000	42344	5,050
A2-5 UC*	3J	1 ³ / ₄ "	5.47	3.25	1.03	4.06	5.20	16	5,400	26,300	6,000	42345	5,050
A2-6	3J	1 ³ / ₄ "	6.25	3.25	1.03	3.97	7.45	26	5,400	26,300	6,000	42346	5,200
A2-8	3J	1 ³ / ₄ "	7.00	3.25	1.03	3.97	9.45	49	5,400	26,300	4,500	42348	5,390
110mm UC*	3J	1 ³ / ₄ "	5.42	3.25	1.03	4.06	5.20	17	5,400	26,300	6,000	42351	5,050

For capacities greater than 1.75", choose the appropriate Royal Quick-Grip™ CNC Collet Chuck from the preceding pages. Quick-Grip™ CNC Collet Chucks offer many advantages over Low-Profile Collet Chucks, including superior tool clearance, parallel-grip functionality, and better price-points.

If you would like to continue utilizing older technology S-type collet pads, you can do so with the use of our Quick-Grip™ master collets – see page 28 for additional information.