Jacobs Die Grinder Chucks

Compact tap chuck designed for use with Rubber-Flex® Collets holds mounted grinding burrs and rotary files on pneumatic and electric die grinders.

- Compact design facilitates use for a wide range of applications
- Integral seal protects collet components from abrasives and swarf
- Rubber-Flex® Collets furnished separately for tools with collet seating cones built into spindles

Chuck Model	Capacity Range Minimum (in.)	Minimum (mm)	Maximum (in.)	Maximum (mm)	Mount Jacobs	Dimensions Open L (A) (in.)	Open L (A) (mm)	Closed L (A-1) (in.)	Closed L (A-1) (mm)	Sleeve Dia. (D) (in.)	Sleeve Dia. (D) (mm)	Weight (oz.)	Code No.	Price $
100-61	0.09	2.3	0.25	6.4	3/8-24	1.77	45.0	1.88	47.8	0.75	19.1	1.50	610642	**184.53**

Nut For Die Grinder Chuck

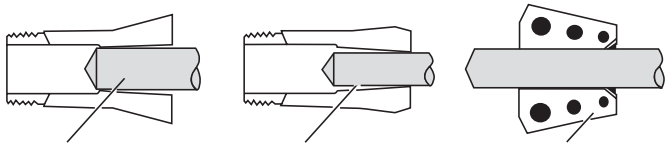
Model No.	Code No.	Price $
N100	610644	**109.72**

Rubber-Flex® Collets

Unique in design and operation, the Jacobs® Rubber-Flex® Collet can generate two to three times the gripping power of a conventional split-steel collet.

- Parallel jaw insert surfaces exert uniform, accurate gripping force up to three times greater than can be achieved with split-steel collets
- Each collet accepts and precisely centers a wide range of both decimal or metric diameters (within individual capacity ranges) to speed setups and increase machining productivity
- Durable one-piece construction
- Synthetic rubber retains flexibility and resists deterioration from heat, coolants and cutting compounds
- Steel jaw inserts precision ground (after molding process) to assure maximum gripping accuracy (parallelism)
- Hardened for greater wear resistance than split-steel collets
- Each collet bore is held concentric to the O.D. tapers, both front and back, to minimize TIR
- Automatically seals tool O.D. to permit coolant flow through tool reducing wear
- Seals collets and machine spindles to protect from abrasive particles and swarf

Rubber-Flex® Collets vs Conventional Collets



Oversized Bar

Conventional split-steel collets provide maximum gripping efficiency only at actual bored or nominal capacity.

Undersized Bar

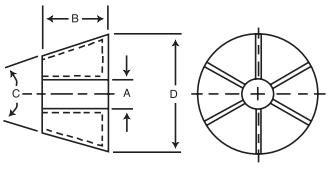
They lose parallelism when chucking bars even a few thousandths over or under this capacity. This significantly reduces gripping strength and accuracy.

Rubber-Flex® Collet

Rubber-Flex® Collets exert uniform gripping pressure throughout the collet contact length (within individual collet capacity ranges) regardless of bar tolerance deviations

Tap Chuck Collets

- Each collet accepts and precisely centers a wide range of both decimal or metric diameters to speed setups and increase machining productivity
- Synthetic rubber retains flexibility and resists deterioration from heat, coolants, and cutting compounds
- Steel jaw inserts precision ground to ensure maximum gripping accuracy, and hardened for greater wear resistance than split steel collets
- Seals collets and machine spindles to protect from abrasive particles and swarf



Model	Capacity Range Min. (in.)	Min. (mm)	Max. (A) (in.)	Max. (A) (mm)	Contact Length (B) (in.)	Contact Length (B) (mm)	Cone Angle (C) (deg)	Outside Dia. (D) (in.)	Outside Dia. (D) (mm)	No. of Inserts	Weight (oz.)	Code No.	Price $
J116	0.094	2.4	0.177	4.5	0.468	11.9	26	0.590	15.1	6	0.10	610646	**103.06**
J117	0.177	4.5	0.256	6.5	0.468	11.9	26	0.590	15.1	8	0.10	610648	**107.18**
J420	0.176	4.5	0.320	8.1	0.500	12.7	40	0.941	23.9	6	0.20	610351	**91.47**
J421	0.139	3.5	0.257	6.5	0.500	12.7	40	0.941	23.9	6	0.20	610352	**87.94**
J422	0.253	6.4	0.383	9.7	0.500	12.7	40	0.941	23.9	6	0.30	610355	**87.94**
J423	0.090	2.3	0.090	4.6	0.500	12.7	40	0.860	21.8	4	0.30	610656	**89.95**
J440	0.280	7.1	0.280	12.7	0.630	16.0	45	1.296	32.9	6	0.30	610353	**104.67**
J441	0.176	4.5	0.176	9.7	0.630	16.0	45	1.296	32.9	6	0.30	610354	**185.55**

Die Grinder Collets

- Each collet accepts and precisely centers a wide range of both decimal or metric diameters to speed setups and increase machining productivity
- Synthetic rubber retains flexibility and resists deterioration from heat, coolants, and cutting compounds
- Steel jaw inserts precision ground to ensure maximum gripping accuracy, and hardened for greater wear resistance than split steel collets
- Seals collets and machine spindles to protect from abrasive particles and swarf

Model	Capacity Range Min. (in.)	Min. (mm)	Max. (A) (in.)	Max. (A) (mm)	Contact Length (B) (in.)	Contact Length (B) (mm)	Cone Angle (C) (deg)	Outside Dia. (D) (in.)	Outside Dia. (D) (mm)	No. of Inserts	Weight (oz.)	Code No.	Price $
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