

BALL BEARING CHUCKS



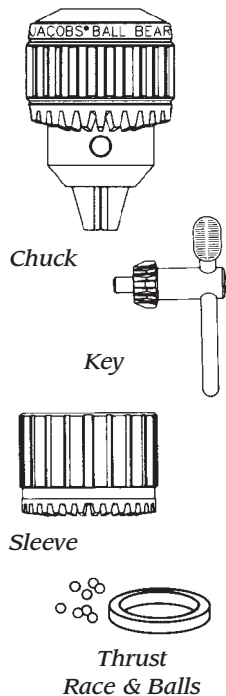
Super Chuck® Ball Bearing Chucks are designed for close tolerance production drilling on precision equipment.

The Jacobs Super Chuck® Ball Bearing Chuck is specifically engineered for heavy-duty, close tolerance production drilling. It is adaptable to a wide range of production drilling equipment, jig borers, milling machines, lathes and radials. Utilizing a ball thrust bearing to reduce friction in the chuck closing mechanism, it permits the application of more gripping force on drill shanks to maximize drilling torque under the most demanding machining conditions.

FEATURES:

- Ball bearing construction maximizes gripping force and drilling accuracy.
- Jaws center-ground for absolute straightness and alignment.
- One-piece sleeve eliminates crack between driving teeth often found in other designs.
- Through-hardened sleeve teeth plus hardened nose and keyholes provide outstanding wear resistance.
- Fluted sleeve standard.
- Each chuck 100% inspected for performance and precision.
- T.I.R. .003" maximum at half capacity.

TAPER MOUNTED



Model No.	Part No.	Capacity Range				Mount Jacobs	Key No.	Dimensions						Wgt Each oz
		Minimum		Maximum				Closed Length		Open Length		Sleeve Dia.		
		in	mm	in	mm			in	mm	in	mm	in	mm	
8-1/2 N	30209	0.040	0	0.250	6.4	2JT	K30	2.41	61.2	1.95	49.5	1.56	39.7	10
11N	30215	0.040	0	0.375	10.0	2JT	K32	2.88	73.2	2.26	57.4	1.93	49.1	19
14N	30221	0.040	0	0.500	13.0	3JT	K3	3.88	98.6	2.97	75.4	2.44	62.1	38
16N	30227	0.125	3	0.625	16.0	3JT	K4	4.31	109.5	3.26	82.8	2.63	66.9	47
18N	30233	0.125	3	0.750	19.0	4JT	K4	5.12	130.0	3.95	100.3	3.01	76.4	66
20N	30239	0.375	10	1.000	25.4	5JT	K5	5.5	139.7	4.23	107.4	3.65	92.6	100

REPLACEMENT PARTS (OLDER MODELS)

For the older models which do not incorporate the service kit marking on the chuck nose, service parts are still available as listed in the chart below.

Chuck Model No.	Key		Jaws and Nut Unit No.	Sleeve		Thrust Race and Balls Part No.
	Model No.	Part No.		Model No.	Part No.	
8-1/2N	K30	3664	7430	S8-1/2N	5089	7436
11N	K32	3666	7431	S11N	5097	7437
14N	K3	3651	7432	S14N	5506	7438
16N	K4	3655	7433	S16N	5514	7439
18N	K4	3655	7434	S18N	5522	7440
20N	K5	3657	7435	S20N	5530	7441

SERVICE KITS (NEWER MODELS)

There have been improvements incorporated in the Jacobs Super Chuck Ball Bearing Chuck. These necessitate a change in the service components. For the newer chucks which call out a service kit number on the chuck nose, this kit will include: jaws, nut, caged bearing and thrust washer.

Chuck		Service Kit No.*	Key		Sleeve	
Model No.	Part No.		Model No.	Part No.	Model No.	Part No.
8-12N	30209	30343	K30	3664	S8-1/2N	5089
11N	30215	30344	K32	3666	S11N	5097
14N	30221	30345	K3	3651	S14N	5506
16N	30227	30346	K4	3655	S16N	5514
18N	30233	30347	K4	3655	S18N	5522
20N	30239	30348	K5	3657	S20N	5530

* All Newer Model Super Chuck® Ball Bearing Chuck services kits include jaws, nut, caged bearing and thrust washer.

