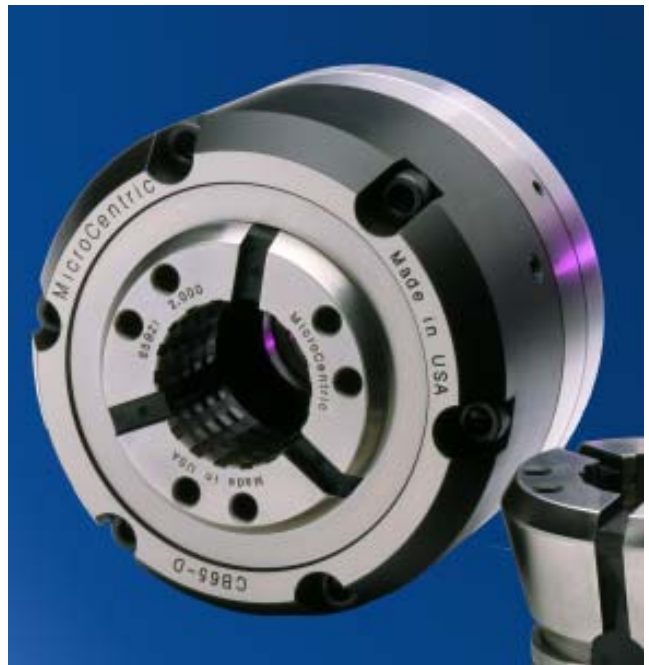




**MicroCentric**

*Precision Workholding Solutions*

# High Performance Collet Chucks



## Quick Change Collet Chucks

- Change Collets in 15 Seconds
- .0004" (0.01mm) Accuracy
- Parallel Clamping Design



### Vulcanized Design

- One-piece vulcanized design for easy handling & reduced chip buildup inside chuck.
- Specially formulated rubber compound is resistant to cutting fluids. The bond between rubber and metal is guaranteed for the life of the collet.

### Quick Change Collet Models

Collet Model	Config.	# Segments	Capacity	Range
SK42BZI	Standard Nose	3	1.650" 42mm	+/- .020" +/- 0.5mm
SK42BZI/G	Reduced Nose	3	1.650" 42mm	+/- .020" +/- 0.5mm
SK65BZI	Standard Nose	3	2.625" 65mm	+/- .020" +/- 0.5mm
SK65BZI/G	Reduced Nose	3	2.625" 65mm	+/- .020" +/- 0.5mm
SK80BZI	Reduced Nose	4	3.250" 82mm	+/- .020" +/- 0.5mm
SK100BZI	Reduced Nose	6	3.937" 100mm	+/- .040" +/- 1.0mm

### Collets From Stock

- MicroCentric stocks an extensive range of inch and metric collets, in round and hex configurations.
- Quick ship collets, that are shipped within 5 working days, are offered for special sizes and configurations.



## S Pad Collet Chucks

- *Vulcanized Master Collet*
- *Parallel Clamping Design*
- *Shorter OAL compared to conventional master collet chucks for greater rigidity & full use of Z axis stroke*



### Vulcanized Master

- Not only is MicroCentric's Master Collet shorter than conventional spring type master collets, the vulcanized design produces parallel clamping.
- The vulcanized rubber is formulated to be resistant to cutting fluid, and the bond between rubber and metal is guaranteed for the life of the collet.



### Master Collet Models

Collet Pad	Master Collet	# Segments	Capacity	Range
S-16	SK65BZI/S16	3	1.625" 41mm	+/- .020" +/- 0.5mm
S-20	SK65BZI/S20	3	2.000" 20mm	+/- .020" +/- 0.5mm
S-22	SK65BZI/S22	3	2.250" 57mm	+/- .020" +/- 0.5mm
S-26	SK80BZI/S26	4	2.625" 65mm	+/- .020" +/- 0.5mm
S-30	SK80BZI/S30	4	3.000" 76mm	+/- .020" +/- 0.5mm

## Collet Chuck Models

### ND Series - *Dead Length Design*



The collet is coupled directly to the chuck body and remains fixed when the tapered seat moves forward as the chuck is actuated. The ND design keeps the collet in a fixed Z axis position during clamping and imparts no pull back on bar or workpiece. ND chucks feature an internal mounting for a stop plate for fast conversion to chucking operations.

### NDR Series - *Pull to Close Dead Length Design*



The NDR series is a patented *Dead Length* design for use with servo stop bar loaders. Similar to the ND series, the collet is coupled to the chuck body, however, the chuck is actuated as the draw tube is pulled into machine spindle. This design maintains accurate feed-out lengths as programmed by the servo stop bar loader.

### NS Series - *Dead Length Design for Sub Spindles*



The NS series is a low profile *Dead Length* design for sub spindles. Similar to ND chucks, the collet is coupled directly to the chuck body and remains fixed as the chuck is actuated. The NS also features a mounting for stop plates or part ejectors inside the chuck.

### NB Series - *Pull Back Design*



The NB series is a basic pull back design. The collet is coupled directly to the draw tube connector. As the draw tube is actuated, the collet is drawn into the tapered seat of the chuck body, efficiently translating draw tube force into maximum clamping force.

## Modular Design Collet Chucks Available From Stock

All components of MicroCentric Collet Chucks are made from hardened and precision ground alloy steel for highest accuracy and long term performance. Through a modular design MicroCentric collet chucks can be adapted to all machine spindle and draw tube configurations. Every collet chuck includes an adapter plate and threaded draw tube connector for the machine model specified. Typical chuck delivery is 3 to 5 working days.

*For a complete catalog detailing available models, specifications, and dimensions call **1-800-573-1139** or go to [www.MicroCentric.com](http://www.MicroCentric.com)*