**Self-Contained Contracting Chuck**

**FEATURES:**
- **Class:** B
- **Actuation:** Manual. Self-contained hydraulic system.
- **Mounting:** Optional. Pilot shown spindle mounted.

Chuck utilizes patented, parallel, contracting wear-sleeve. Same chuck can handle numerous sizes with appropriate sleeves. This same type sleeve can be used on Hydra-Lock expanding arbors. Result – one arbor or chuck can service a family of similar parts.

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**HSK Hydraulic Toolholder**

**FEATURES:**
- **Class:** A
- **Actuation:** Manual
- **Mounting:** HSK

Pre-balanced to ISO G2.5 at 15,000 r.p.m. Grips the tool shank with 30,000 p.s.i. full length .0002 T.I.R., repeatability within .000050.

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**Contracting Precision Chuck**

**FEATURES:**
- **Class:** B
- **Actuation:** Direct pressure
- **Mounting:** Spindle mounted with adjustable tune-up screws.

Parallel work sleeves can be manufactured to accommodate parts of different configurations as shown on page 2.

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**Contracting High Precision Chuck**

**FEATURES:**
- **Class:** A
- **Actuation:** Push to actuate. Self-contained hydraulic system.
- **Mounting:** Adapter mounted direct to Hardinge Spindle with adjustable tune-up screws.
- **Accuracy:** Square and concentric within .000050 T.I.R.