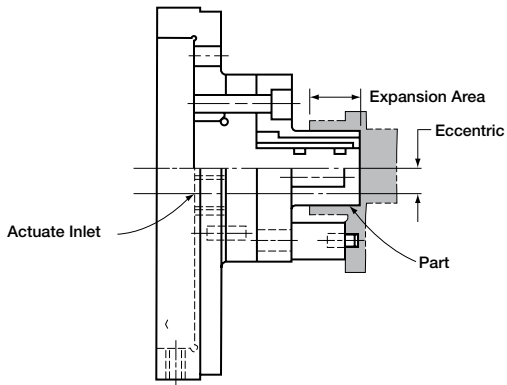


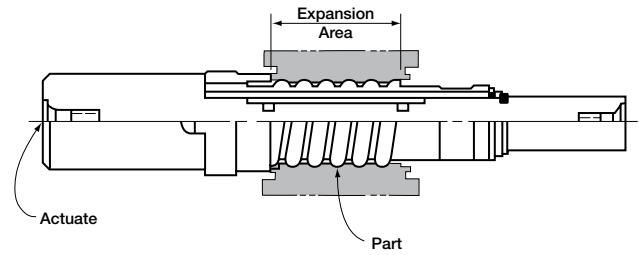
Expanding Eccentric Arbor



FEATURES:

- Class: B
 - Actuation: Direct pressure
 - Mounting: Face plate with tune-up screws
 - End-expanding wear sleeve.
 - Radial pin locator.
- Arbor holds blind-hole part so that eccentric diameter can be ground on a standard cylindrical grinder.

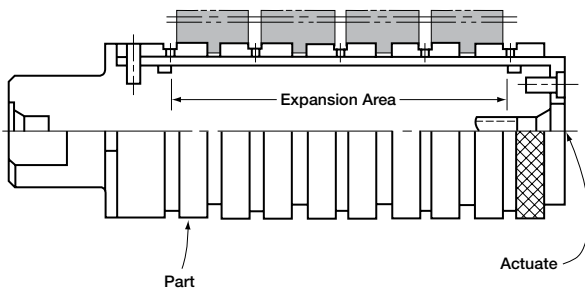
Expanding Ball-Screw Arbor



FEATURES:

- Class: B
 - Actuation: Manual. Self-contained hydraulic system.
 - Mounting: Between centers.
 - Replaceable wear sleeve.
- This arbor is used to grind the O.D. of ball-screw nuts concentric to the internal ball-screw form. An easily removed work sleeve makes it possible to accommodate right or left hand threads or entirely different forms with the appropriate sleeves.

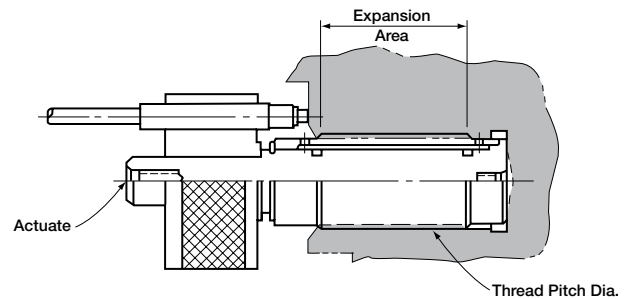
Expanding Arbor for Multiple Parts



FEATURES:

- Class: A
 - Actuation: Manual. Self-contained hydraulic system.
 - Mounting: Between centers.
- This unique arbor was designed to hold several parts, each with a central web between two locating diameters. Part #1 is first loaded. Next a double end-expanding sleeve is added. Then Part #2 is put in place. The same procedure is followed for the remaining two parts. The arbor is then actuated and all four parts are put on a common center line and securely held for O.D. grinding, even though the locating diameters vary as much as .008.

Expanding Threaded Squareness Gage



FEATURES:

- Class: B
 - Actuation: Manual. Self-contained hydraulic system.
 - Mounting: Threaded into part and expanded to pick up thread form.
- Hydra-Lock threaded gages are extremely versatile. This design was used on a large nuclear reactor. After the holes were drilled and tapped, the gage was expanded into the tapped hole for pitch diameter location and the gage-head rotated for the squareness check. A second gage-head was used to check concentricity of counter-bored diameter. The gage-heads were then removed and the shank trammed to check true position of the tapped hole.