

SADLER^{I.W.} THE SELF-CONTAINED DIAPHRAGM CHUCK



FOR THE UTMOST IN CONCENTRICITY • NO CONNECTIONS REQUIRED

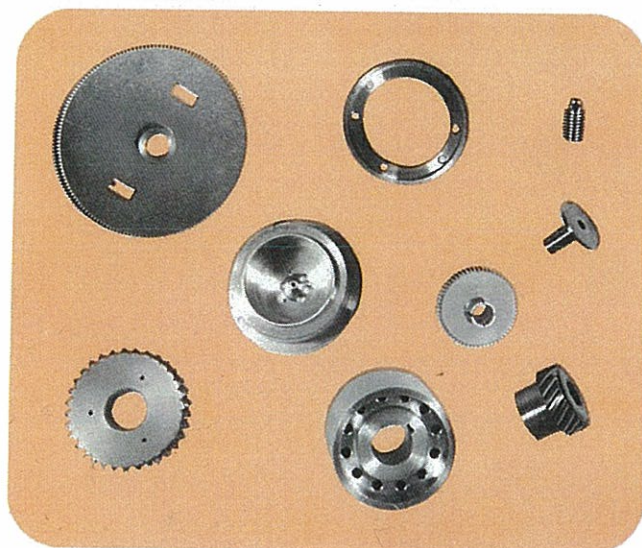
- ★ No Key Required
- ★ Impervious to Chips and Coolants
- ★ Entirely Self-Contained
- ★ Mounts in Seconds
- ★ Fits Any Machine or Fixture
- ★ Ready for Immediate Use
- ★ Eliminates Costly Air Equipment
- ★ Indexable-Low-Cost Throw Away Jaws

SATISFACTION GUARANTEED

SADLER MFG. CO., INC. • 48-52 GLENWOOD ST. • LITTLE NECK, N. Y. 11363

The Precision Holding Device for Maximum Repeatability and Concentricity

THE SADLER CHUCKS ELIMINATE COSTLY AIR EQUIPMENT OR SECONDARY MECHANICAL MEANS OF ACTUATION. THE SADLER CHUCKS REPLACE NESTS, STEP CHUCKS, EMERGENCY COLLETS, SCROLL CHUCKS, ETC. ALSO FEATURED ARE THE LOW COST INDEXABLE THROW AWAY JAWS, WHICH WILL ACCOMMODATE ROUND OR IRREGULARLY SHAPED PARTS.



THE SADLER DIAPHRAGM CHUCK

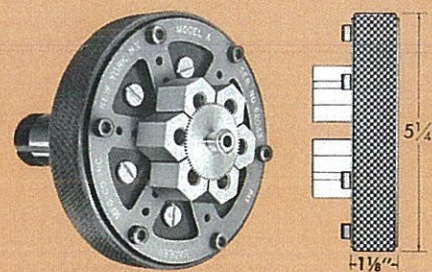
THE SADLER DIAPHRAGM CHUCK is a precision work holding device. Its use is capable of maintaining extremely close concentricity and parallelism requirements. Thin-walled parts can be processed with a minimum of scalloping and distortion.

Adaptors are available for all types of machines such as lathes, borematics, milling machines, jig borers, gear shapers, etc., so the chuck can be used on any machine, rotation or stationary in operation. A distinctly advantageous application of this chuck is the ease with which it can be transferred from one machine to another following the operational sequence of a given part. This eliminates the need for duplication of holding facility from machine to machine.

OPERATION

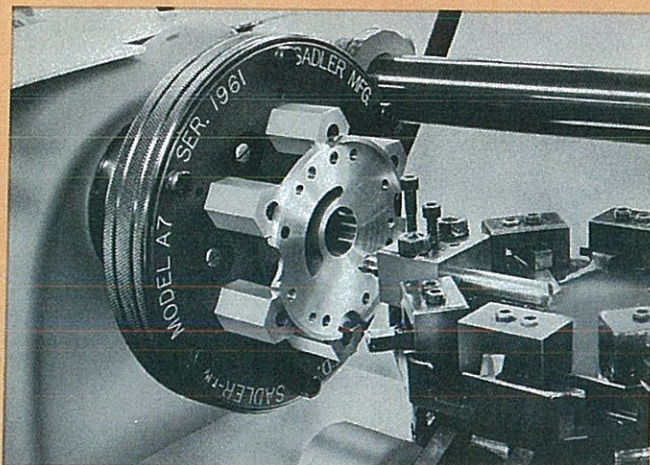
A twist of the wrist opens and closes the chuck. Parts can be held externally or internally. For example, to prepare the chuck for a part to be held externally: With the chuck in its full open position, the jaws are bored to a "slip to snug fit." The chuck is then partially closed to the desired holding pressure, and with the boring tool in its original position, the jaws are re-bored to the original diameter. This provides for easy insertion of repeat parts without marring their surfaces. For internally held parts, this procedure is reversed.

Model "A"

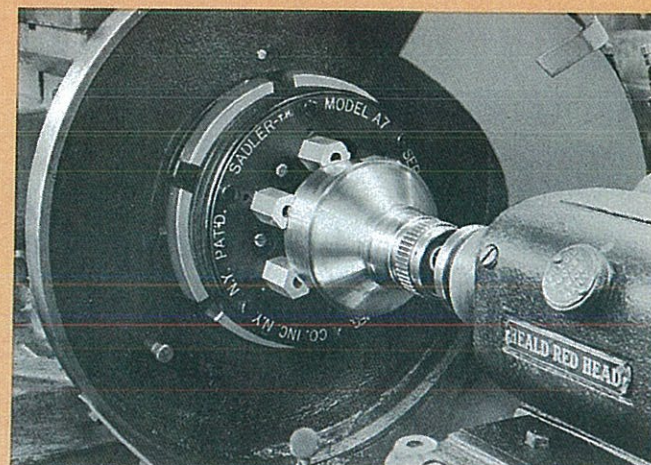


Capacity Using Std Jaws $3\frac{1}{8}$ " to 4" Dia.
Capacity Using 6" Full Circle Jaws to $5\frac{1}{8}$ "
WEIGHT: 5 lbs.

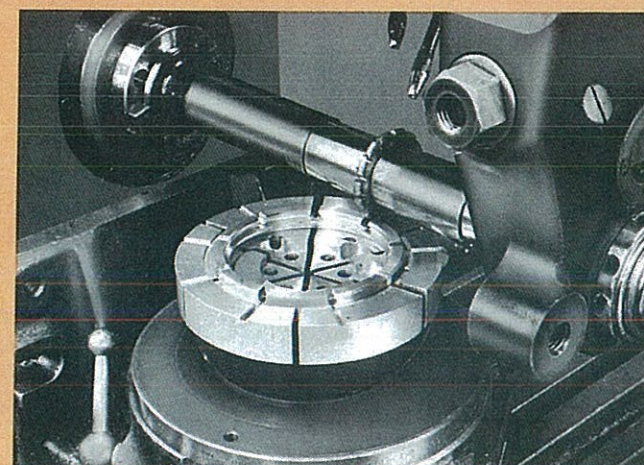
Sadler Chucks on the Job Shown in Shop Installations



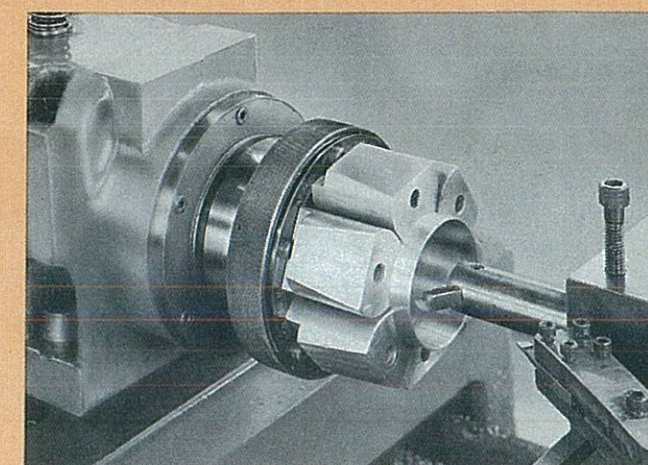
Model A7 Chuck mounted on a chucker with a 5C Shank adaptor, holding a 5" diameter aluminum casting.



Model A7 Chuck mounted directly to face plate of internal grinder. $4\frac{1}{2}$ " dia. chrome moly part being held for the grinding of several internal diameters.



Model A Chuck equipped with 6" segmented jaws mounted directly into mechanical spacer for a slotting operation.



Model A Chuck in a Borematic application, using "homemade" jaws to hold a thin-walled part for boring and facing.