

INSTRUCTIONS FOR USING THE CENTERING INDICATOR

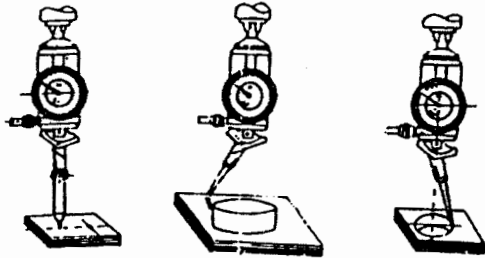
The centering indicator is designed as a precision measuring instrument for locating a work piece by the pointer while the spindle rotates when the spindle rotates, the indicator always face the operator. Thus brought much convenience for operator.

THE FEELERS

The straight feeler is for use in inside diameter measurement. The curve feeler is for use on outside diameter measurement. The center point feeler is for use on center punch marks. In use the spring loaded point should be depressed into its housing $1/32$ to $1/16$ inch.

SET UP AND USE

1. Pre-position work to within the indicator travel range.
 2. Place appropriate feeler in indicator rocker bracker and screw it. Adjust rocker friction joint to make the feeler contact with work piece.
 3. Hold the rotation proof rod or stop it with
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Center punch Outside Diameter inside Diameter
Mark

Cuts Show Typical Set-up For vertical or
Horizontal Use

magnetic indicator shelf to make the indicator always face toward the operator.

4. Start machine spindle. Note: Check for interference before turning on power. Speed should not exceed 700 to 800 R.P.M. at any time

5. Adjust machine table along one axis to a point where the indicator hand travel range has diminished to its lowest distance. Thus indicating that the work center is centered in the spindle plane in this one direction.

6. Move the machine table along the axis of the other direction which perpendicular with the previous direction until the indicator hand travel range diminishes to zero. Thus indicating that the work piece center is in axial alignment with the machine spindle.

Note:

1. DIAL GRADUATION is divided such that each division represents 0.0005 inch of axis offset when feeler is tracing diameters.

2. Under normal conditions this centering indicator should require no servicing and only the consideration in use and handling due any precision instrument.

3. Each centering indicator has been run in under

actual operation conditions and thoroughly checked out for accuracy before it is approved for packaging. The instrument should be returned to the factory when feelers missing, reasonable change or repair is necessary under guarantee.

ACCESSARIES

- 1. Rotate proof rod 1pc
 - 2. Center point feeler 1pc
 - 3. Straight feeler
 - for measured 4inch diameter 1pc
 - for measured 8inch diameter 1pc
 - for measured 12inch diameter 1pc
 - 4. Curved feeler
 - for measured 4inch diameter 1pc
 - for measured 8inch diameter 1pc
 - for measured 12inch diameter 1pc
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