

Quick and precise centering of bores and shafts on a machine table

The measuring tip rotates, but the dial doesn't!

With the Centro, bores and shafts can be easily and precisely centered in relationship to the spindle on a machine table. The device is clamped into a milling machine spindle, and the spindle positioned near the desired point while rotating at low speed. The probe tip of the Centro slides along the inside or outside surface of the diameter. As long as the spindle position and the diameter center are not the same, the probe tip will be deflected, and the amount of deflection is shown on the dial. *The dial face does not turn with the spindle and can always be seen by the operator.* When the pointer no longer moves, the machine spindle axis is perfectly aligned with the center of the bore or shaft. The perpendicularity of a surface to the spindle may be controlled or adjusted in the same way. Concentricity errors of the spindle or the clamping are compensated for without adjustment. The large easy to read dial face makes quick and accurate readings possible. Several different interchangeable probe tips are available.



Ideally suited for mold rework, part rework, repositioning a part on the machine table, setup on a machine table, etc.

Technical Specifications

- Centering accuracy 0.003 mm
 - Housing diameter 80mm
 - Shaft diameter 16 mm (5/8 in.)
 - Length (without shaft) 92 mm
 - Max. 150 rpm
 - Inside diameter measuring range 3-125 mm
 - Outside diameter measuring range 0-125 mm
-

Ordering Information

TFH80.300.00	Centro with 5 mm dia. straight probe tip
TFH80.301.00	Straight probe tip with 5 mm ball
TFH80.302.00	Angled probe tip with 5 mm ball
TFH80.303.00	Straight probe tip with 2 mm ball