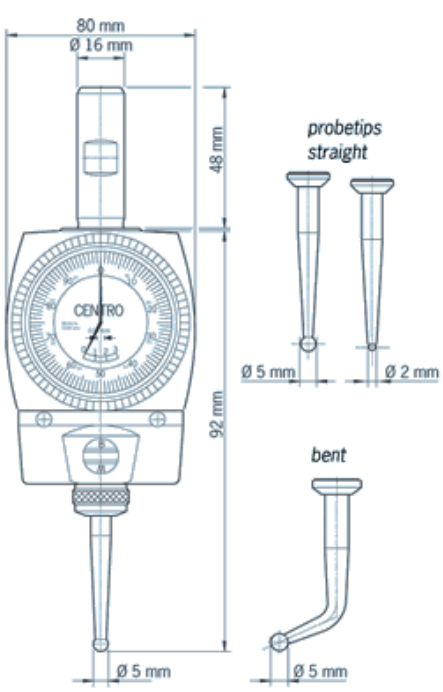

CENTRO provides quick and precise location of the centers of bores and shafts.

With the CENTRO, bores and shafts can be easily and precisely centered. The CENTRO is clamped into a tool holder and inserted into the spindle of the milling machine. The machine spindle is then positioned near the bore or shaft that is to be measured, and rotates at low speed. The probe tip of the CENTRO then slides along the inside or outside surface of the diameter. Initially, the probe tip will be deflected and the amount of deflection is registered on the large dial. The stationary dial face does not turn with the spindle and therefore can always be seen by the operator. The position of the spindle must be corrected until the hands of the dial indicator stop moving. The spindle axis is now perfectly aligned with the diameter center.

The perpendicularity of a surface to the spindle may be inspected or adjusted in the same way. Concentricity errors of the spindle may be controlled or adjusted as well. Tramming of lathe turrets is also possible with the CENTRO. Shafts and bores can be measured with the same CENTRO, with a simple switch of a button, adjusting the direction of tension. Concentricity errors of the spindle or the clamping are compensated without the need of adjustment. The large easy to read dial face makes quick and accurate readings possible. The probe tips are interchangeable. There are several different probe tips to chose from for multiple applications.

Item	Probe Ø	Shaft Ø	Accuracy	Max. Rotation	Part Number
Centro Centering Indicator w/ Straight Probe Tip	5 mm	16 mm	.003 mm	150 rpm	80.300.00
	-	16 mm	.003 mm	150 rpm	80.300.00.FHN
Centro Straight Probe Tip with Ball	5 mm	-	.003 mm	150 rpm	80.301.00
Centro Bent Probe Tip with Ball	5 mm	-	.003 mm	150 rpm	80.302.00

Tel 815 962-5600 | Fax 815 962-4600
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Item	Probe Ø	Shaft Ø	Accuracy	Max. Rotation	Part Number
Centro Straight Probe Tip with Ball	2 mm	-	.003 mm	150 rpm	80.303.00

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