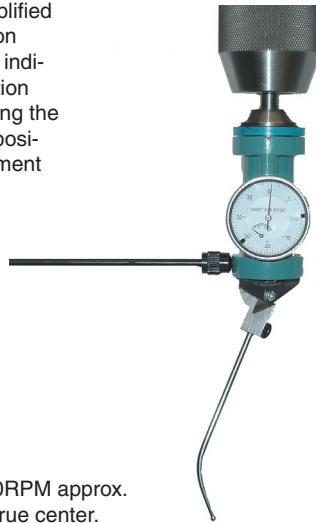




CO-AX INDICATOR

SERIES 219:

The Blake CO-AX Indicator provides a simplified method for centering a workpiece or fixture on Horizontal or Vertical machines. Face of the indicator remains stationary in any desired position while the machine spindle rotates, thus leaving the operator with both hands free to accurately position the machine table by coordinated movement of the table.



Supplied Complete with indicator, internal feeler, external feeler, restraining arm and fitted box.

SPECIFICATIONS:

- **Length:** 6-7/8"
- **Shank:** 3/8" Diameter x 7/8" long
- **Weight:** 9-1/2 oz.
- **Feeler Ball:** 1/8" Diameter
- **Measuring Range:** .250" Axis Offset.
- ***Capacity:** Internal, 5/32" to 4-1/4" Dia.
External, 0 to 4-1/4" Dia.
- **Speed:** not recommended to exceed 800RPM approx.
- **Locating Accuracy:** to within .0002" of true center.
- **Initial Positioning:** within 7/16" dia. circle of true location.

* Capacity can be increased to 12" dia. by use of accessory feelers.

Order No. 2190000	Price	
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Model No.	Description	Order No.	Price
851-C2	Feeler, inside dia., Carbide, Range: 4.250"	2198512	
852-C2	Feeler, outside dia., Carbide, Range: 4.250"	2198522	
851-4	Feeler, inside dia., Range: 8.000"	2198514	
851-6	Feeler, inside dia., Range: 12.000"	2198516	
852-6	Feeler, outside max. dia. 12.000"	2198526	
853	Assembly, center point feeler	2198530	

PRECISION TOOLS

CENTERING INDICATOR

SERIES 219:



- Designed for quick and accurate centering of a work piece or fixture.
- Operates at any angle.
- Use on vertical and horizontal machines
- Use for internal and external diameters.
- While spindle rotates, the centering indicator remains stationary and always faces the operator



Supplied complete with:
restraining rod, center point feeler, 4" straight feeler, 8" straight feeler, 12" straight feeler, 4" curved feeler, 8" curved feeler, 12" curved feeler, fitted case

INCH

Specifications	
Length:	6-7/8"
Shank:	3/8" dia. x 7/8" long
Probe ball:	1/8" diameter
Measuring range:	.250 axis offset
Capacity:	Internal: 5/32" to 4-1/4" dia. External: 0 - 4-1/4" dia.
Speed:	Not exceed 800RPM Approx.
Locating accuracy	To within 0.00025" of true center
Graduation:	0.0005"

Order No.	Price
2190005	

INDICATOR GROOVE GAGES

STARRETT SERIES 1175:



This lightweight, hand-operated gage is for in-process or bench inspection of oil grooves, snap ring retainer grooves, "O" ring seat retainer grooves and similar internal recesses. It is also useful for checking bore dimensions and revealing the presence of taper, bell-mouth and out-of-roundness. The gage consists of a pistol grip frame with gaging contacts mounted on a reference jaw and a sensitive jaw. The sensitive gaging contact, which has a 1/2" (12.7mm) retractable range, transfers the work dimension through a linear friction-free transfer mechanism to the dial indicator. Since the lower reference jaw is fixed, it supports the entire weight of the gage and the operator's hand, thus preventing incorrect gaging pressure and false readings. Furnished with jewel bearings, in case.

Range	Grad.	Dial		Catalog No.	EDP No.	Price
		Reading	Range			
.375-6"	.0005"	±30	.060"	1175Z	53173	
9.5-150mm	0.01mm	±100	2.5mm	1175MZ	65032	