

Keystone Ring Width/Angle Gage



Precision Digital Measurement of Piston Ring Thickness & Angle



Features & Benefits

- Unique design utilizes either either ring set master or gage block for setting reference thickness
- Minimum effort required for setup
- Simple three-button or two-button operation
- Less than 30-second per ring time cycle
- Stores specifications for 30 part numbers
- Recalls part number specs with two-digit entry
- Angle value is calculated using multiple readings and best-fit line across ring side
- Displays digital width and angle dimensions after each reading
- Accept (black) or reject (red) screen display for each measurement vs. specification
- Data can be exported to printer or PC with Windows operating system
- Mechanically positions ring prior to measurement and holds ring during measurement

C-K ENGINEERING, INC.

Providing advanced internal engine design and measurement concepts

Keystone Ring Width/Angle Gage



The C-K Engineering Keystone Width/Angle Gage has been designed and developed with the objectives to:

- Provide a gage that is rugged and capable of operation in a typical laboratory or manufacturing environment
- Provide a gage that is simple to operate
- Provide a gage with significant improvement in measuring precision
- Provide a gage that completes a measurement in less than 30 seconds

Operation:

- Insert reference width-set master, master ring, or gage block
- Insert ring to be measured
- Press *Clear Data*
- Press *Measure*
- Measured width & angle data is displayed

Warranty:

1 year parts and labor

Capabilities:

- Gage R&R capable for both width and angle tolerances based on SAE HS-2200 standard
- Accommodates ring diameter range 90mm (3.5 in) through 178mm (7.0 in)
- Accommodates ring thickness (width) range 1.9mm (0.075 in) through 6.4mm (0.25 in)

Tooling Required per Diameter:

- Ring guide/locator

Utilities Requirements:

- 110 v, 3 amp, 60 cycle electrical supply
- Shop air 20-60 psig < 1 cfm

Size and Weight:

- Measuring Unit:
254mm H x 279mm W x
380mm D
(10" H x 11" W x 15" D)
Approx. 23 kg (50 lb)
- Display Unit:
229mm H x 254mm W x
203mm D
(9" H x 10" W x 8" D)
Approx. 5.5 kg (12 lb)