

KEYSTONE RING WIDTH/ANGLE GAGE

Precision Digital Measurement of Piston Ring Thickness & Angle



Features

- Unique design utilizes 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
- Recall part number specifications 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

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

- Providing a gage which is rugged and capable of operation in a typical laboratory or manufacturing plant atmosphere
- Providing a gage which is simple to operate
- Providing a gage with significant improvement in measuring precision
- Providing a gage which 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)

For additional information on this and other gage designs, please contact us at:

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