

DIAMETRAL TENSION GAGE



For Large-Diameter (8-20"; 203-508 mm) Compression Rings



CKE's Diametral Tension Gage is an easy-to-use system of measuring the diametral tension or large-diameter compression rings.

Features & Benefits

- Improved accuracy diametral tension measurement
- Electronic load cell readout
- Integral linear scale quickly and easily establishes measuring diameter
- Reference locations permit accurately centering ring vertical and horizontal axes
- Accommodates ring thickness of 0.125" (3.2 mm) to 1.0" (25.4 mm)
- Electrically driven screw closes and releases ring load
- Tension measurement can be exported to spreadsheet
- Safety shield protects operator from broken or sprung rings
- Unit can be bolted to work surface

The accurate measurement of the diametral tension of large-diameter compression rings is important for a number of reasons including:

- Ensure that sufficient tension exists to establish initial seal between the ring OD and cylinder bore ID – important for oil consumption and blowby control
- Ensure that excessive tension is not being produced that could cause the fatigue failure of rings in service
- Confirm that rings are produced from materials having the specified Modulus of Elasticity; I.e., gray iron vs. high-strength iron vs. nodular iron

Warranty – 1 year parts and labor