



## M1520 Circular Cement Expansion/Shrinkage Test Kit

- Comprehensive kit simulates the structure of the annulus between a bore hole and a well casing, and measures how cement slurry will expand or shrink.
- Easy to use, compact, lightweight, and portable.
- Handles a maximum temperature of 400°F (204°C).
- Compatible with most standard high-temperature water baths, curing chambers, and consistometers.
- Also compatible with *Grace Instrument* products. (*Contact Grace Instrument for model numbers.*)
- Compliant with **API Recommended Practice 10B-5**.

### Specifications

Max. Curing Temperature	400°F (204°C)
Ring Mold Dimensions	3 $\frac{7}{8}$ " Dia. x 1 $\frac{3}{8}$ " H"
Carrying Case Dimensions	11" W x 15" L x 5" H

### What's Included

- Stainless steel ring mold
- Micrometer
- Micrometer stand
- Plastic 1" tall block
- Carrying case

### Description

The *Grace Instrument M1520 Stainless Steel Ring Mold* contains an inner and outer ring that simulates the structure of the annulus between a bore hole and a well casing. To run a test, cement slurry is poured into the mold and it is measured with the included micrometer. After the sample is hydrated, the slurry will expand or shrink. (The mold can expand due to the vertical slit in its outer ring.) A final measurement is taken and calculations are performed to determine the expansion or shrinkage of the outer ring's circumference. Optimal cementing solutions can be engineered using the volume change results gathered from using this test kit.

The *M1520* mold is compatible with most standard high-temperature water baths, curing chambers, and consistometers. For user convenience, it is also compatible with several *Grace Instrument* high-temperature curing chambers, consistometers, and water baths (each are sold separately).

The *M1520 Stainless Steel Ring Mold* is compliant with **API Recommended Practice 10B-5**.