

# PRODUCT INFORMATION SHEET

## Z307 Semi-Automatic Axial Load Gauge

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[www.torus-group.com](http://www.torus-group.com)

The Z307 Semi-Automatic Axial Load Gauge determines the maximum axial load force which can be applied prior to container failure, within a short cycle time. Typically, this test is carried out on a finished can without a seamed on end.

The operator inserts the correct quick change neck tooling for the can sample to be inspected (e.g. 202 Neck), then selects the program within GaugeXplorer for the appropriate can size. On-screen instructions prompt the operator through the process, entering batch and traceability information for future post process analysis if required. Once the part is loaded and the door is closed (ensuring maximum safety for the operator) the automatic measurement sequence will commence.

The test will begin once top tooling has detected the start of the axial load via the high accuracy mapped load cell, gathering accurate data throughout the inspection routine. Once the can sample has reached the buckle / column strength maximum achievable load the result will be shown on screen & exported as necessary.



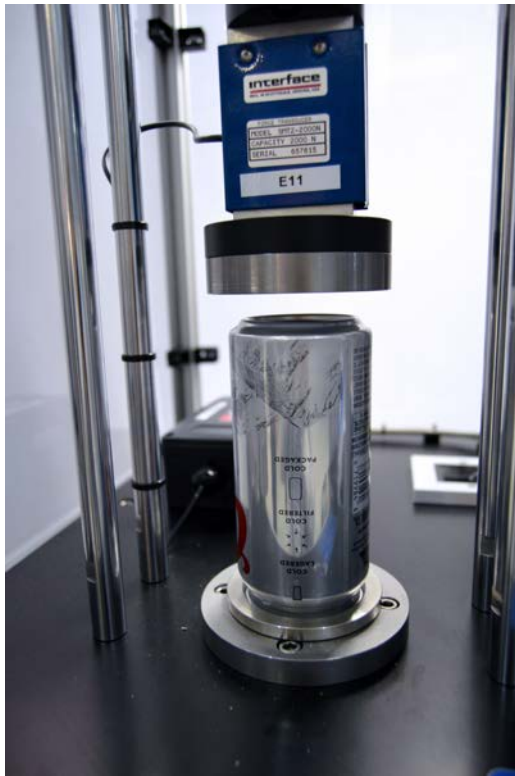
### Customer Benefits:

- ✓ Multi size capability with quick change tooling for both necked & straight walled can inspection
- ✓ User friendly easy to use GaugeXplorer software (main gauge operation including diagnostic operation)
- ✓ Cost effective way of attaining off line axial load inspection requirements
- ✓ Customer specific language
- ✓ SPC compatibility and full batch traceability
- ✓ Accuracy +/- 10.00N
- ✓ Includes an integrated PC supplied with a Windows 7 professional operating system enabling powerful connectivity to a wide range of SPC data acquisition systems, as well as remote access to the gauge via our TMS support team
- ✓ Short cycle times due to the latest high performance stepper motors
- ✓ Customer specific data outputs (kgf, lbf, newtons, etc.)
- ✓ High accuracy axial load cell technology
- ✓ Customer specific network outputs, customer specific language
- ✓ Digital calibration & certified traceability
- ✓ Latest safety standards
- ✓ Gauge reliability

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### Measured Features

Axial Load: the force at which the component collapses.

### Features of the Gauge

- Available for both beverage and food cans
- The automatic system loads up to 3 different neck diameters
- Industry standard location platens for component neck support
- Selectable crush speed
- Factory set platens to ensure parallelism between gauge tooling faces

### Modular Options

- Semi Automatic Bench Top
- Semi Automatic Floor Standing
- Automatic
- Multi size capability
- Multi lane conveyor system
- SPCXplorer
- Optional periodic calibration & qualification available via TMS support



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