Manual Flange Width Gauge

Z540

INDUSTRIAL PHYSICS

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Manual Flange Width Gauge

The Z540 Manual Flange Width Gauge from Torus provides precise, operatorindependent measurements for beverage and food cans. This universal gauge has a resolution of 10 microns and is a reliable tool that ensures flange values meet specifications, improving quality control efficiency for production lines and laboratories.

Precise flange width measurements

The Z540 Manual Flange Width Gauge features a resolution of 10 microns (0.01 mm), and provides operator-independent, repeatable results, ensuring consistent quality control across can production. Its automated positioning system centers cans and measures flange width across the centerline for reliable readings every time.

Additionally, it is designed to provide high accuracy levels and measurement repeatability, so you can trust the results provided.

Simple and ergonomic operation

The Torus Z540 Manual Flange Width Gauge has been designed for easy use and can accommodate a variety of can types. Operating the device is straightforward. Simply power on the digital indicator, insert your can, and start measuring.

The gauge is designed to keep your cans safe while measuring, as each can is securely clamped into place onto the anvil and sits on an angled base to avoid tipping.

Accurate flange width measurements

Measurements are displayed on the digital indicator in as quickly as 3 seconds, simplifying the process for operators. The digital indicator can provide readings in inches or mm. Additionally, to reduce the risk of manual recording errors, the device comes with an SPC output for easy connection to an automated seam analysis system, such as the CMC-KUHNKE Visionary or Torus' GaugeXplorer software.

Technical Specification:

Component Materials	Aluminum / Steel
Component Shape	Round
Component Stage	Finished Cans
Component Width Range	Up to 4 mm
Component Outer Diameter Range	Food 48 - 153 mm (ø 200 to ø 603) Beverage 50 - 63 mm (ø 200 to ø 209)
Can Type	Beverage & Food
Flange Width Accuracy	+/- 0.03 mm
Flange Width Repeatability (R&R)	0.03 mm
Resolution	0.01 mm
Weight	2.2 kg
Dimensions	Case (W) 420 mm x (H) 350mm x (D) 100 mm Instrument (W) 120 mm x (H) 210mm x (D) 100 mm

Durable and versatile flange width measurements

The Torus Z540 Manual Flange Width Gauge has been designed for long-term reliability with minimal maintenance and is suited for a variety of can types. The Z540 is able to provide reliable flange width measurements for all can types. Through a simple tooling change, the gauge is suitable for measuring the flange width of beverage cans or food cans.

How accurate is the Z540 Manual Flange Width Gauge?

The Z540 provides highly accurate readings with an accuracy rating of ±0.03 mm, ensuring reliable and consistent measurement results for quality control applications.

What types of cans can the Z540 Manual Flange Width Gauge measure?

The Z540 Flange Width Gauge is capable of measuring flange widths of 2-piece and 3-piece aluminum or steel cans, accommodating can diameters from 48 to 153 mm.

Ordering Information:

Article Number	Article Description
Z540	Manual Flange Width Gauge

Benefits:

- Measures flange width with 10-micron (0.01 mm) resolution
- Automated positioning for operator-independent results
- Compatible with food and beverage can types
- Accommodates can diameters from 48 to 153 mm
- Maximum flange width of 4mm
- Integrates with Torus GaugeXplorer Software
- Ergonomic design for easy operation
- Durable construction requiring minimal maintenance
- Reliable and repeatable measurements enhance quality control
- Extremely precise – measurement accuracy of +/- 0.03 mm
- Supplied in a robust and sturdy case

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