

CMCKUHNKE



Manual Countersink Depth Gauge

Z542

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The Countersink Depth Gauge is a versatile and precise tool designed for measuring the countersink depth and profile of food and beverage cans.

Brought to you by CMC-KUHNKE, our metal packaging test and measurement specialist brand, the Z542 Countersink Depth Gauge simplifies countersink depth measurement with a digital indicator that can eliminate the need for manual recording with the use of an optional interface cable.

High precision and versatile countersink depth measurements

Ensure the quality and consistency of your steel (tinplate) or aluminum cans with our reliable, digital Countersink Depth Gauge. Designed for precise measurement of countersink depth, the Z542 gauge provides quick and easy assessments - essential for quality control in can production.

The CMC-KUHNKE Z542 Countersink Depth Gauge is specifically designed for measuring the countersink depth of cans with precision and features a resolution of 10 microns (0.01 mm). Whether it be food cans or beverage cans, the Countersink Depth Gauge is a universal device that can accommodate a variety of can types and sizes by using optional tooling.

Accurate countersink depth measurements

Measurements are clearly displayed on the digital indicator in as quickly as 3 seconds and can be displayed in inches or mm. However, to reduce the risk of manual recording errors, the gauge comes with an SPC output so it can be easily connected, via an additional interface cable, to an automated seam analysis system, such as the CMCKUHNKE Visionary or Torus' GaugeXplorer software.

Technical Specification:

Component Materials	Steel / Tinplate / Aluminum
Component Stage	Seamed Cans
Countersink Depth	Up to 8.0 mm
Component Outer Diameter Range	48 - 153 mm
Can Type	Beverage and Food
Flange Width Accuracy	+/- 0.03 mm Using manual placement to allow for accurate positioning and high accuracy, it is a reliable device for manufacturers to ensure consistent quality control
Flange Width Repeatability (R&R)	0.03 mm
Resolution	0.01 mm
Weight	1.9 kg
Dimensions	Case (W) 270 mm x (H) 220mm x (D) 80 mm Instrument (W) 130 mm x (H) 140 mm x (D) 20 mm

Simple and robust design

The CMC-KUHNKE Z542 Countersink Depth Gauge is straightforward to use and is designed to be used for a variety of can types. Simply power on the digital indicator, place on your can, and start measuring.

The gauge is supplied in a robust and sturdy case so you can be sure that your gauge is stored safely and securely when not in use.

How accurate is the Z542 Countersink Depth Gauge?

The Z542 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 Z542 Countersink Depth Gauge measure?

The Z542 Countersink Depth Gauge is capable of measuring the countersink depth of 2-piece and 3-piece steel/tinplate and aluminum cans, accommodating can diameters from 48 to 158 mm.



Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

Ordering Information:

Article Number	Article Description
Z542-9.5.1	Manual Countersink Depth Gauge

Benefits:

- Measures countersink depth with 10-micron (0.01 mm) resolution
- Provides countersink depth accuracy
- Manual placement for accurate positioning
- Timesaving with automatic data transfer option
- Extremely easy to use
- Universal gauge – no need to multiple gauges per can type
- Integrates with CMC-KUHNKE Visionary or 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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