

Mitutoyo 2514AB



Key features

- **Highly durable design:** The indicator is built for heavy-duty use with a high-strength, quench-hardened stainless steel spindle. Its carbide-tipped contact point provides long-lasting accuracy and durability.
- **Environmental protection:** The frame lacks through-screw holes, and an O-ring and strong adhesion between the bezel and crystal create a secure seal. This design helps prevent oil and water from penetrating the gauge face.
- **Superior accuracy:** It features a ground rack gear that provides a tighter fit for increased precision. A more rigid bearing plate also helps to reduce tracking errors by up to 20% compared to previous models.
- **Clamping mechanism:** An offset spindle bushing is designed to provide hassle-free stem clamping and a wider clamping range.
- **Scratch-resistant crystal:** The crystal is coated to be both scratch and chemical resistant, ensuring clear visibility over time.
- **Convenient mounting:** The flat-back configuration is ideal for mounting in tight spaces or on certain types of inspection setups. ⓘ

The 2514AB is a versatile tool used in various industrial and manufacturing settings. Its high precision and durable construction make it suitable for a wide range of inspection tasks, including: ⓘ

- Measuring and inspecting machine parts.
- Checking for runout, parallelism, and concentricity.
- Setting up machine tools.
- Use with a magnetic base for dimensional checks. ⓘ

Key specifications

- Measurement range: 0.5".
- Graduation: 0.0005".
- Range per revolution: 0.05".
- Dial reading: 0–50.
- Back type: Flat back, suitable for compact applications.
- Accuracy: ± 0.0005 " for the first 2.5 revolutions and ± 0.002 " overall.
- Stem diameter: 3/8" (9.5 mm).
- Contact point thread: #4-48 UNF.
- Measuring force: 1.8 N or less.
- Standards: Conforms to ANSI/AGD standards.