



# ACCUSIZE 0511-2001 Horizontal Test Indicator Instruction Manual

[Home](#) » [ACCUSIZE](#) » ACCUSIZE 0511-2001 Horizontal Test Indicator Instruction Manual 

## Contents

- [1 ACCUSIZE 0511-2001 Horizontal Test Indicator](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Overview](#)
- [5 SPECIFICATIONS](#)
- [6 Documents / Resources](#)
  - [6.1 References](#)



**ACCUSIZE 0511-2001 Horizontal Test Indicator**



## Product Information

**Product No:** 0511-2001

Adjustable Dial Face

**Dovetail stems:** 0.040, 0.080, 0.120

## Specifications

**Model:** DZEZ0511-2001

Two-dovetail design

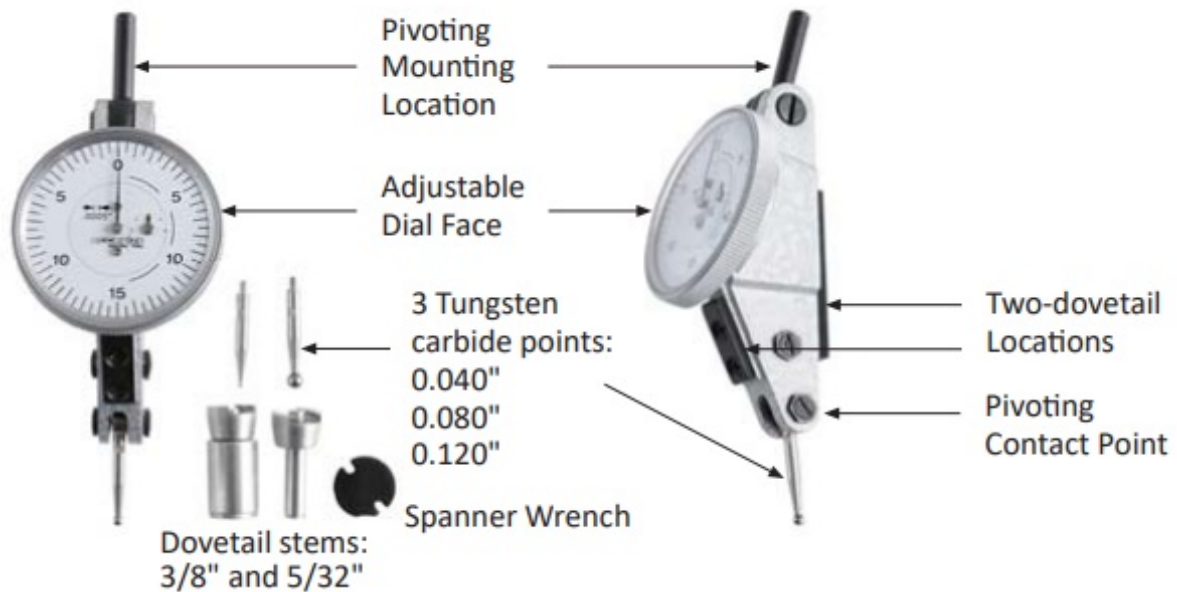
## Product Usage Instructions

1. Ensure that the indicator is set up properly before use.
2. Place the indicator on a stable surface or mount it securely using appropriate fixtures.

3. Make sure the dial face is visible and easy to read.
4. During setup, adjust the dovetail stem to the desired length (0.040, 0.080, or 0.120) for accurate measurements.
5. **When using the indicator, follow these steps:**
  1. Gently press the indicator against the object or surface you want to measure.
  2. Rotate the adjustable dial face until the indicator needle aligns with zero on the scale.
  3. Read the measurement value indicated by the needle on the dial face.
6. After use, store the indicator in a safe and dry place to prevent damage.

Please refer to the complete user manual for more detailed instructions and safety guidelines.

## Overview



## SPECIFICATIONS

- Model No.: 0511-2001
- Range: 0.060"
- Graduation: 0.0005"
- Dial reading: 0-15-0
- Dial diameter: 1.5"
- 210° swivel arc

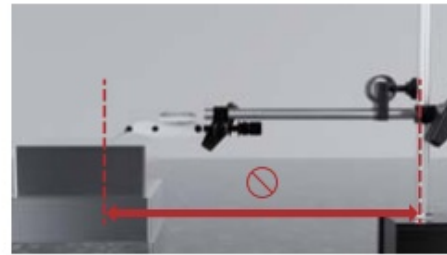
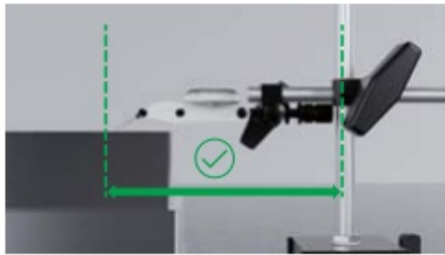


### TO USE THE INDICATOR, FOLLOW THESE STEPS

1. Mount the indicator on a magnetic base or a clamp and attach it to a rigid surface near the workpiece.
2. Adjust the position and angle of the indicator so that the contact point touches the workpiece lightly and the dial face is easy to read.



3. Zero the indicator by rotating the bezel until the pointer aligns with the zero mark.
4. Move the workpiece or the indicator along the horizontal plane and observe the dial reading. The reading indicates the amount and direction of deviation from the horizontal plane in thousandths of an inch or millimeters.
5. Repeat steps 2 to 4 for different points on the workpiece to check its flatness, parallelism, or alignment.



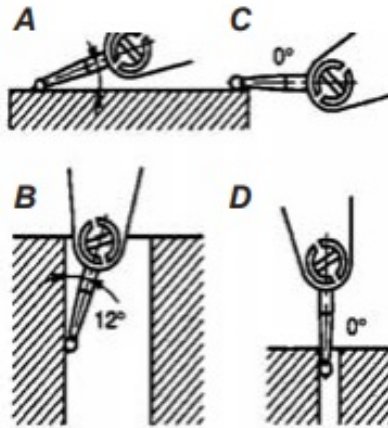
## DURING SETUP

- Keep the indicator as close as possible to the main shaft of the base.
- The farther away the indicator is from the base, the more it will be affected by vibrations, deflections and droop in the different arm connections. This can cause errors in the measurement

## TEST INDICATOR-EXTENDED RANGE INSTRUCTIONS

- These dial test indicators provide the accurate reading when the contact point and the surface to be measured form a  $12^\circ$  angle (as in position A and B). This allows the workpiece to move freely under the dial test indicator's body.
- Exception: any configuration of an angle other than  $12^\circ$  needs the result to be corrected. E.g.: when the contact point is parallel to the surface of the workpiece as in position C and D), a compensation value of  $1/\cos(12^\circ) = 1.022$  needs to be added:
- Meas. Value = Reading Value x 1.022

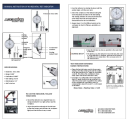
Be noted that it is difficult to align the stylus at  $12^\circ$ , so the measured value can only be an approximation



- Accusize Industrial Tools
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- [www.accusizetools.com](http://www.accusizetools.com)

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## Documents / Resources

	<p><a href="#">ACCUSIZE 0511-2001 Horizontal Test Indicator</a> [pdf] Instruction Manual 0511-2001 Horizontal Test Indicator, 0511-2001, Horizontal Test Indicator, Test Indicator, Indicat or</p>
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## References

-  [Accusize Professional Metalworking Machinery Tools](#)

[Manuals+](#).