

iGAGING 400-QC-05 Check Spindle Square Gauge



# iGAGING 400-QC-05 Check Spindle Square Gauge User Guide

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**iGAGING 400-QC-05 Check Spindle Square Gauge**



## Product Information

### Specifications:

- **Product Name:** Quick Check Spindle Square Gauge
- **Model Number:** #400-QC-05
- **Patent:** U.S. Pat Pend
- **Spindle Stem Size:** 3/8 inch
- **Indicator Bezel Range:** 0-0.25
- **Thread Size:** #4-48
- **Squareness Error of Graduation:** 0.0005
- **Contact Separation:** 4 instrument units

## Product Usage Instructions

### Setting Zero:

Set Zero on surface #400-QC-05 by turning the Bezel of the dial indicators on a flatness surface. Ensure the instrument is mounted carefully on the spindle to minimize run-out error.

### Squaring the Instrument:

To ensure squareness, follow the steps below:

1. Set Zero on the gauge as per the instructions provided.
2. Place the instrument on a good flatness surface.
3. Turn the Bezel of the dial indicators to adjust the squareness.

### Calibration:

The gauge comes pre-calibrated for easy and fast use. It is advisable to check calibration periodically to maintain accuracy.

## Frequently Asked Questions (FAQ):

- **Q: How often should I calibrate the Quick Check Spindle Square Gauge?**

**A:** It is recommended to calibrate the gauge periodically to ensure accurate measurements. The frequency of calibration may depend on your usage frequency and working conditions.

- **Q: Can the squareness error be adjusted?**

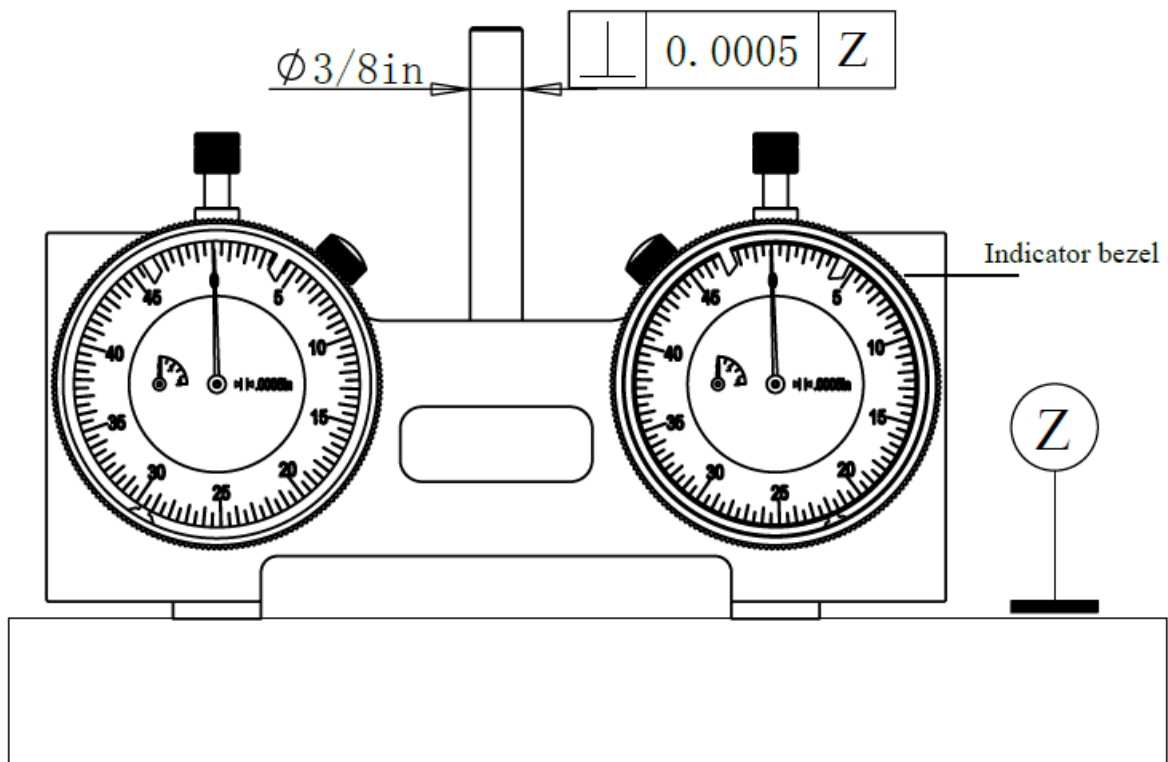
**A:** The squareness error of the gauge is minimal (0.0005). It is pre-calibrated and generally does not require adjustment. Ensure proper mounting and handling for accurate results.

## Quick Check Spindle Square Gauge

### PRODUCT MANUAL

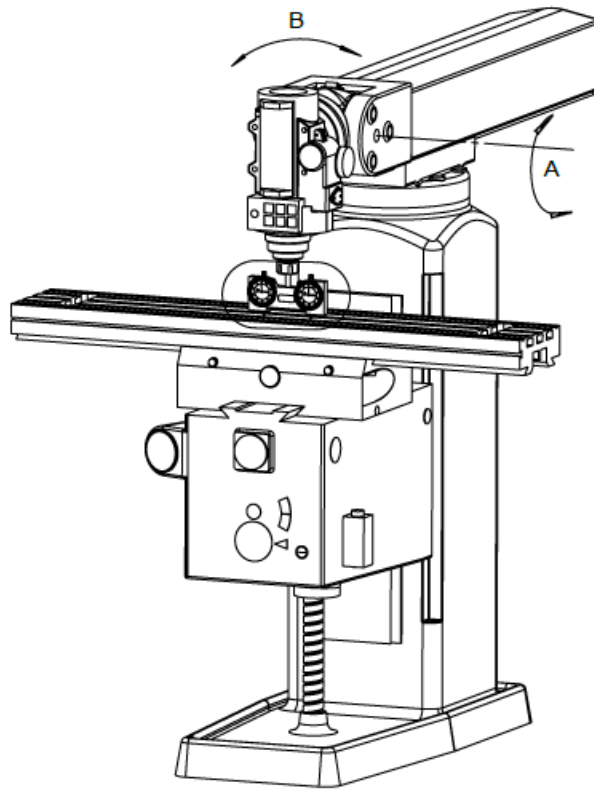
This gauge is pre-calibrated for fast and easy use. —

- **Item#** 400-QC-05
- **Range:** 0-0.25"
- **Graduation:** 0.0005"
- **Contact separation:** 4"
- **Spindle stem:**  $\Phi$  3/8
- **Thread size:** #4-48
- **Squareness:**  $\leq 0.0005"$



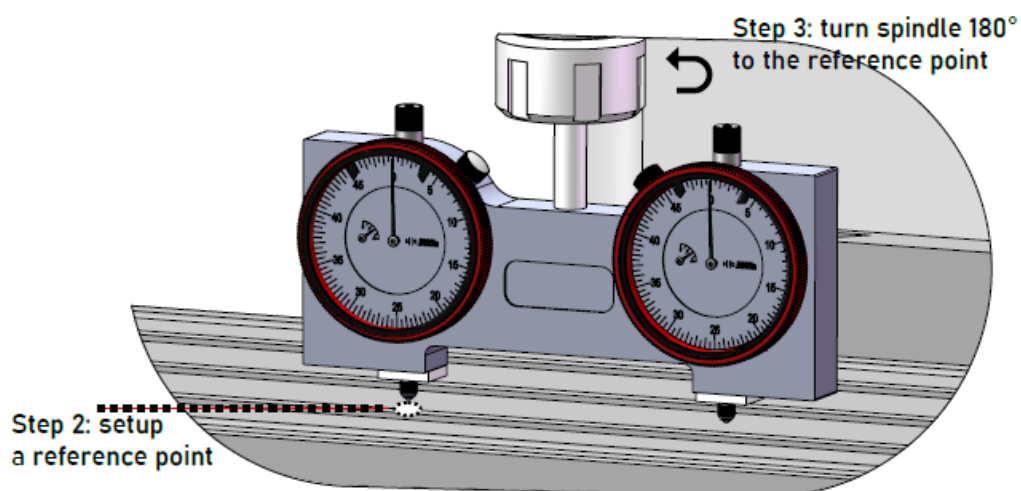
### On Machine Surface Setup (Quick Setup)

- This gauge is pre-calibrated with a squareness within 0.0005".
- Set the gauge on the machine surface and both dial will read zero.



### On Machine Setup (Complete Setup)

1. **Step 1.** Insert the gauge to the spindle
2. **Step 2.** Use a marker to mark a dot under the left indicator contact (as a setup reference point); adjust the spindle height till the indicator reads zero.
3. **Step 3.** Turn the spindle 180° and let the right indicator contact overlap on the marked dot. The indicator should zero. Otherwise, turn the dial indicator bezel till the indicator needle points to zero. – Gauge setup is completed.



#### • X-axis adjustment

- Turn spindle and let the gauge parallel to the X-axis.
- Turn the spindle head around B and observe the needle reading of the two indicators; make necessary adjustment until both indicators share the same readings.

#### • Y-axis adjustment

- Turn spindle and let the gauge parallel to the Y-axis.
- Turn the spindle head around A and observe the needle reading of the two indicators; make necessary adjustment until both indicators share the same readings.

#### STATE OF CALIFORNIA WARNING:

Cancer and Reproductive Harm

– [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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[www.iGAGING.com](http://www.iGAGING.com)

## Documents / Resources

	<p><a href="#">iGAGING 400-QC-05 Check Spindle Square Gauge</a> [pdf] User Guide  400-QC-05 Check Spindle Square Gauge, 400-QC-05, Check Spindle Square Gauge, Spindle Square Gauge, Square Gauge</p>
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## References

- [iGAGING.com](http://www.iGAGING.com)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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