

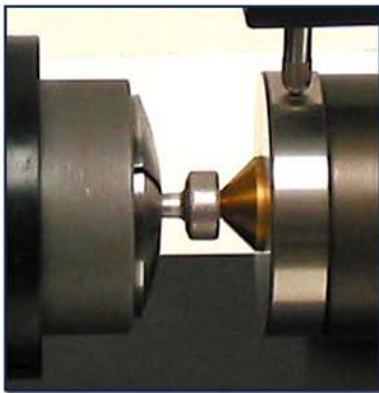


# Greenslade & Company Inc.



**Fastener Inspection Equipment**  
**Innovative Gage Design**  
**Dimensional Calibration**

## Recess TIR® Gage



The patented Recess TIR® Gage is designed to make the measurement of the concentricity of the screw's drive system and head O.D. to its shank fast, easy, accurate, repeatable and reproducible. This gage uses a single conical measuring element to measure the TIR of all internal drives (except slot) to the screw's shank. The TIR of slots to the screw's shank can be measured with a single "Slot Measuring Element". The TIR of a screw's shank to an external hex head or hex washer head can be measured with "Hex Measuring Elements". In these cases a different element is required for each external hex size.

This gage was specifically developed to measure the concentricity of a screw's shank to its recess or external drive system quickly and accurately. This fastener characteristic is becoming more critical with the widening use of automatic screw feeding and driving assembly equipment. If a screw's recess is too far from the axis of its shank the automatic equipment's driver can not engage the recess and the equipment will jam, ruining its efficiency.

This gage's single recess measuring element will inspect all styles of recesses in all screw sizes #4 through 1" (M3-M24). This gage comes with an 11 piece collet set, customized to your particular size range and an electronic indicator that provides .0001" resolution and the absolute TIR measurement without adding or subtracting.



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