

Retainer Calibration Worksheet

Equipment ID: _____	Date: _____
Manufacturer: _____	Performed By: _____
Model #: _____	Last Calibration: _____
Serial #: _____	Next Calibration Due: _____
Storage Location: _____	

Calibration Item: Verify critical dimensions and planeness of the retainer
 Calibration Procedure: In-House Procedure for Verifying Retainers
 Calibration Equipment: Ruler or caliper readable to at least 1/16 inch or 1 mm
 Feeler gauge 0.002 in. (0.05 mm)
 Straightedge at least as large as the retainer diameter

Ring Size 4 inch (100 mm) 6 inch (150 mm)

Measurement	Tolerance	Pass / Fail
Total Height	1.0 ± 0.1 in. (25 ± 3 mm)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Outside Ring Thickness	4" : ≥ 0.35" (9 mm) 6" : ≥ 0.47" (12 mm)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Base Thickness	4" : ≥ 0.30" (8 mm) 6" : ≥ 0.47" (12 mm)	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Inside Diameter	102% to 107% of specimen diameter	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the retainer have any gouges, grooves, protrusions, or indentations greater than 0.01 in. (25 mm) deep?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Does the retainer have any gouges, grooves, protrusions, or indentations greater than 0.05 in. ² (32 mm ²) in surface area?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Pass / Fail _____
 Initial By _____