

SUPERPAVE GYRATORY COMPACTOR (SGC) RAM FACE AND BASE PLATE FACE (AASHTO T 312, ASTM D-7115)

1. SCOPE

- 1.1 *This method provides instructions for verifying the critical dimensions of the SGC ram face and base plate face.

2. APPARATUS

Inspection Equipment Required:

1. Calipers readable to 0.01 mm
2. Ruler reading to at least 250 mm

Tolerances:

Refer to Tex-241-F, AASHTO T 312, and ASTM D 7115.
ftp://ftp.dot.state.tx.us/pub/txdot-info/cst/TMS/200-F_series/pdfs/bit241.pdf

3. PROCEDURE

- 3.1.1 Measure and record the outside diameter of the ram face and base plate face to the nearest 0.01 in. Rotate 90°, and measure and record the outside diameter again.
- Measure and record the inside diameter of the ram face and base plate face (the sides presented to the specimen) to verify for flatness meeting the smoothness requirement in T 312, Section 4.2, and a diameter of 149.50 to 149.75 mm.

*CST/M&P Flexible Pavements Laboratory is responsible for conducting critical dimension verifications for the ram face and base plate face. The CST/M&P Central Calibration Laboratory is responsible for all other calibration/measurement verifications.

CST/M&P In-House Calibration Procedures (IHCP) are listed on CST/M&P's Quality System Intranet site <http://crossroads/org/cst/default.asp?p=qualitySysProg>