

SOILS IN-HOUSE CALIBRATION PROCEDURE # 26
MANUAL COMPACTION HAMMER

MANUAL COMPACTION HAMMER (AASHTO T-99)

1. SCOPE

- 1.1 This method provides instructions for checking the weight and critical dimensions of the manual hammer used for soil compaction.
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2. APPARATUS

Inspection Equipment Required:

1. Calipers readable to 0.0001 inch
2. Tape measure readable to 1/16 inch
3. Balance, capacity 5 kg, readable to 1 g.

Tolerance:

Equipment will meet the dimensional tolerances specified in AASHTO T-99, and Tex-113-E and Tex-114-E.

3. PROCEDURE

- 3.1 Measure and record the diameter of the rammer face determined by taking two readings 90 degrees apart using the calipers.
- 3.2 Pull up the handle, measure and record the drop height of the hammer. Determine this height inside the guide-sleeve using the tape measure.
- 3.3 Remove the hammer from the guide-sleeve. Determine and record its mass to the nearest 1 g.