

MANUAL COMPACTION HAMMER VERIFICATION PROCEDURE #6

Revised 4/25/2002

Equipment Checked: **MANUAL HAMMER (AASHTO T 99) (AASHTO T 180)**

Purpose:

This method provides instructions for checking the critical dimensions of the proctor hammers.

Inspection Equipment Required:

1. Calipers readable to 0.001 inch.
2. Tape measure readable to 1/16 inch.
3. Balance, capacity 5 kg, readable to 1 g.

Tolerance:

Equipment shall meet the dimensional tolerance specified in the applicable test method.

Procedure:

1. Measure and record the diameter of the hammer face determined by taking two readings 90 degrees apart using the calipers.
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. Remove the hammer from the guide-sleeve. Determine and record its mass to the nearest 1 g.
4. Measure and record the diameters of the vent holes near the end of the hammer.

EQUIPMENT CALIBRATION RECORD

Calibration Procedure No. 6 Manual Hammer (AASHTO T 99 & AASHTO T 180)

Date:	Calibrated by:
Previous Calibration Date:	Next Due:
Frequency: 12 months	
Action Recommended:	
Repair _____ Replace _____ None _____ Other _____	
Calibration Equipment	Serial Number
Calipers readable to 0.001"	
Balance, 5 kg. capacity readable to 0.1 g	
Measuring tape readable to 1/16"	

ID#	Rammer Diameter		Wt.	Drop	Vent Holes		
					Number	>3/8"	Distances from Ends
	#1	#2					
	#1	#2					
	#1	#2					
	#1	#2					

Diameter		Fall	Weight
T-99	1.985-2.010"	12± 1/16"	5.48-5.52 lb.
T-180	1.985-2.010"	18± 1/16"	9.98-10.02 lb.

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