



H-4169

All Molds on facing page can be used with H-4169 compactors, except H-4142

Automatic Mechanical Compactor— H-4169

Automatic Mechanical Compactor, 230V, 50/60 Hz— H-4169.4F

The Mechanical Compactor automatically compacts and rotates mold after each blow while keeping track of the number of hammer blows and shutting off once a preset number of blows is reached. The start/stop function of the compactor is independent of the counter. The unit can be used to perform standard or modified compaction tests using a 5.5 lb. (2.5kg) hammer with 12" (305mm) height of drop or a 10 lb. (4.5kg) hammer with 18" (457mm) drop. Hammer lift compensates the height of the drop for soil thickness in the mold during compaction. Hammer weight is concentrated at the foot, allowing free fall of the hammer. Hammer changes are made from in front of the compactor.

Included with the compactor are: (1) 5.5 lb (2.5kg) hammer; (1) 10 lb. (4.5kg) pie-shaped hammer; (1) hammer surcharge weight to convert hammers to 10lb (4.5kg); (1) hammer safety device; (1) 4" (102mm) mold, and (1) 6" (152mm) mold.

Overall dimensions: 56" H x 16-1/2" W x 30" D (1422 x 419 x 762mm). Max. height in operation: 66" (1677mm). Meets ASTM D558, D559, D560, D698, D1557; AASHTO T99, T134, T135, T180. Shipping wt. 432 lbs. (196.0kg)

California Modified Automatic Compactor,— H-4169.CA

Model complies with California Method 216 and is supplied with a 2" round 10 lb hammer and corresponding piston and rod. Required Split Mold is available upon request.

Calibration Kit— H-4169CK

For use with H-4169 Automatic Mechanical Compactor. Calibration kit includes lead deformation apparatus, micrometer and 50 lead calibration cylinders. Meets ASTM D2168.

Lead Calibration Cylinders, pkg. 100— H-4169LC

Replacement Hammers (do not include weights)

4" Round Hammer (New Style)— H-4169.2415

6" Pie-Shape Hammer (New Style)— H-4169.2416

(New Style Hammers are only threaded in the middle of the shaft)

4" Round Hammer (Old Style)— H-4169.415

6" Pie-Shape Hammer (Old Style)— H-4169.416

(Old Style Hammers are threaded almost to the end of the shaft)



H-4170A H-4160A

Standard Compaction Hammer— H-4160A

Manual, Moisture/Density Hammer meets ASTM and AASHTO Specs. It incorporates a 5.5 lb (2.54kg) weight and a drop of 12" (305mm) with a 2" (50.8) face. Guide sleeve has four vent holes in each end of sleeve to release built-up air pressure. Machined Steel, plated for rust resistance. Features resilient rubber ball handle. ASTM D558, D698, AASHTO T99. Shipping wt. 12 lbs. (5.4kg)

Modified Compaction Hammer— H-4170A

Manual, Moisture/Density Hammer meets AASHTO Specs. It incorporates a 10 lb (4.5kg) weight and a drop of 18" (457mm) with a 2" (50.8) face. Guide sleeve has four vent holes in each end of sleeve to release built-up air pressure. Machined steel, plated for rust resistance. Features resilient rubber ball handle. AASHTO T180. Shipping wt. 18 lbs. (8.3kg)



H-4173

Manual Compaction Hammers

Weight	Drop	Model
5.5 lb (2.54kg)	12" (305mm)	H-4160A
10 lb (4.5kg)	18" (457mm)	H-4170A
5.5 lb (2.54kg)	12" (305mm)	H-4173
10 lb (5.08kg)	12" (305mm)	H-4171

Army Corps of Engineers Hammer— H-4173

Manual, Moisture/Density Hammer meets EM1110-1-1804 Spec. It incorporates a 5.5 lb (2.54kg) weight and a drop of 12" (305mm) with a 2" (50.8) face. Hammer is guided on shaft. Length of drop is slightly adjustable. Foot assembly has recoil mechanism to reduce impact fatigue on parts. Tamping face is removable and replaceable. Shipping wt. 15 lbs. (6.8kg)

Army COE 10 lb. Hammer— H-4171

Same as above, but 10 lb (5.08kg)