

Cement Cube Molds



3-Gang Cement Cube Mold

ASTM C-87, C-109, C-141, C-579, C-593

AASHTO T-106

Manufactured in strict conformance to ASTM and AASHTO specifications

Three-gang design for multiple sample preparation

Wide flange design for mold stability and performance

Precision machined forged bronze construction for accuracy and corrosion resistance

Designed and manufactured in strict conformance to ASTM standards, the 3-Gang Cement Cube Mold is used to form 2" (50.8 mm) cube samples for compressive strength testing of Portland cement, mortars, lime, gypsum and capping compounds. The main feature in the design is the wide flange construction of the top and base. This wide flange simplifies the striking off of excess amounts of cement when the cubes are being prepared and gives greater stability to the mold in storage, preparation and curing. The sturdy flanges prevent warping of the mold during use.

Warping has been the cause of cement cube molds losing their dimensions and angular tolerances. Another important feature is the use of mechanical screw clamps to connect the two halves of the mold so they can be drawn tightly together. This same feature is important in removing cubes from the mold. With an unscrewing action on the clamps, the two sides of the mold can be drawn apart uniformly. This eliminates prying the mold sections apart with a trowel, knife or other sharp instrument, a practice which destroys mold surfaces and springs the mold out of tolerance. The "T" bolts are held in place by snap rings, which precludes loss and allows for ready replacement should the "T" bolt be damaged. To facilitate cleaning of the mold, all of its surfaces are clean lined and smooth.

(Cover plate sold separately)

Specifications

Sample Size: Up to three 2" (50.8 mm) cubes

Construction: Forged bronze; three-gang with wide-flanged top and base; machined and ground finish

Mold Closure: Mechanical; "T" bolt screw clamps held in place by snap rings

Base Plate: Machined forged bronze with knurled hold-down screws

Weight: Net 12 lbs. (5.4 kg)

Single Cement Cube Mold



The Single Cube Mold is designed and manufactured to form 2" (50.8 mm) single cube samples for compressive strength testing. Mechanical screw clamps are used to connect the two halves of the mold so they can be drawn tightly together. The clamping screws are held in place by a pin, which allows rotation of the screws for ease of assembly/disassembly, prevents loss. Carefully machined, smooth surfaces facilitate cleaning of the mold.

(Cover plate sold separately)

Specifications

Sample Size: 2" (50.8 mm) cube

Construction: Solid Brass; top and base; machined and ground finish

Mold Closure: Mechanical; Screw clamps held in place by pins

Base Plate: Machined brass

Weight: Net 12 lbs. (5.4 kg)

Ordering Information

100011148	Mold, 3-Gang Cement Cube
101457237	Cover Plate, 3-Gang Mold
100012374	Mold, Single Cement Cube
100012375	Cover Plate, Single Mold

Fann Instrument Company offers a complete line of equipment, materials and supplies for use in testing Oil Well Cements in accordance with:

API Specification 10A, ANSI/API 10A/ISO 10426-1-2001

Fann Instrument Company
P O Box 4350
Houston, Texas USA 77210

Phone: 281-871-4482
Fax: 281-871-4358
Email: Fannmail@fann.com