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Swell Test Apparatus ZI 3069

Standards:

Specification:

It is designed to determine the swelling pressure developed by soil specimens moulded to desired densities at known moisture contents when soaked in water. The load applied to restrain the swelling is transferred to a load measuring proving ring through a perforated swell plate and a load transfer bar. The proving ring is attached to the lead screw of hand operated load frame. A soaking tank is provided for saturating the specimen and the base of the mould has channels and radial grooves with connecting holes it consists one each of :



ZI 3069-1

Load Frame, Hand Operated, Capacity 50 KN (5,000 kgf)

ZI 3069-2

Mould, 100mm dia x 127.3mm height (1,000ml volume) with base plate and collar

ZI 3069-3 Proving Ring, with integral boss, high sensitivity 2.5KN (250 Kgf) capacity

ZI 3069-4 Dial Gauge , 25 mm travel, 0.01mm least count Lid & receiver in G.I. frame for 300 mm dia x 450 mm dia sieves

ZI 3069-5 Perforated swell plate, 100 mm dia x 16 mm thick

ZI 3069-6 Spencer, 100 mm dia x 12.7 mm thick

ZI 3069-7 Pair of Porous stones, 100 mm dia x

12.7 mm thick

ZI 3069-8 Load Transfer Bar

ZI 3069-9 Steel Ball

ZI 3069-10 Soaking Tank, 250 mm dia x 210 mm
high