

## HAND CRANKED UNCONFINED LOAD FRAME

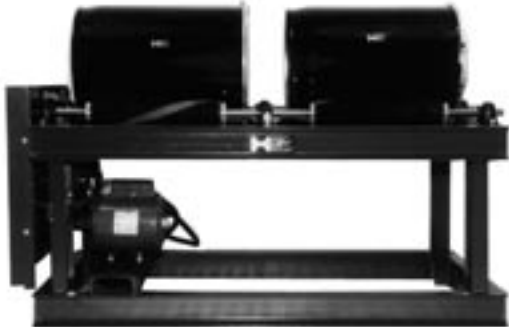


This load frame is designed to perform Unconfined testing of cohesive and semi-cohesive soils by manual operation using an aluminum hand crank. The load capacity is 1,000 lbs. Modifications to meet your lab's specific applications are available upon request. The maximum platen travel is 76 mm (3"). Unit completes with 1" range x .001" lb. load ring with calibration chart. A quick return feature for repositioning the platen after completing the test is standard. Maximum sample height is 10". The load ring cross arm is adjustable vertically and the load ring is bolted directly to the cross arm to maximize side deflection when testing samples. The frame is designed around a heavy-duty main frame and precision loading screw. Built to withstand harsh lab environments, the cabinet is constructed with 14 gauge steel and painted with a durable enamel finish. The 1" diameter vertical rods have coarse threads for quick change in cross-arm height. The nuts and vertical rods are plated for corrosion resistance. A 3" diameter platen with concentric rings

MODELS	DESCRIPTION
S8650	HAND CRANKED UNCONFINED LOAD FRAME

## SOIL PULVERIZER

The soil pulverizer is used for breaking up aggregations of air dried samples with minimal breakdown of aggregate particles and to greatly reduce the dust particles in the air when using the mortar and pestle method. The soil pulverizer is the Bureau of Public Roads type in which the aggregations are broken up by the action of loose rubber covered steel bars in rotating drums. Sample containers are 6 gallon drums approximately 11-1/4" O.D. and 15-1/2" long with lid and gasket along with a quick-acting steel closure. The rotating device has a welded steel frame with rubber covered shafts and a motor drive. Samples of 15 to 30 lbs. are placed in the container with two bars, sealed with the quick-acting lids, laid on the shafts and rotated 5 to 30 minutes depending on the type of soil. For some very hard clays it may be necessary to screen with a #10 sieve and repeat the process with the amount retained using three roller bars.



S9152

MODELS	DESCRIPTION	POWER	STANDARDS
S9152	SOIL PULVERIZER, 2-UNIT	110V /60 Hz	ASTM D-421 / AASHTO T-87
S9153		220V /50 Hz	
S9154	SOIL PULVERIZER, 4-UNIT	110V /60 Hz	
S9155		220V /50 Hz	

ACCESSORIES	DESCRIPTION
S9152A	FIBRE GEAR, 2 UNIT
S9154A	FIBRE GEAR, 4 UNIT
S9152B	EXTRA SPROCKETS
S9157	EXTRA ROLLER BAR
S9159	EXTRA DRUM AND LID

