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Product Name :

Direct Shear test Apparatus

Product Code :

SLE/CE/58



Science Lab
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Description :

Direct Shear test Apparatus (Product Code: SLE/CE/58) is a split shear box with a loading unit used to measure the shear strength of soil on 60 × 60 × 25 mm specimens in soil mechanics laboratories. Normal stress up to 8 kg/cm² is applied directly or through a counter-balanced lever, and a 200 kg proving ring with dial gauges records the response. The apparatus is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Shear box	Two halves, for a square specimen 60 × 60 × 25 mm
Gripper plates	One pair plain, one pair perforated
Porous stones	One pair
Loading pad	One top loading pad
Shear box housing	Accommodates the shear box assembly; complete with two ball roller strips
Specimen cutter	For cutting 60 × 60 × 25 mm specimens from larger samples
Weights	Set giving a normal stress of 3 kg/cm²
Loading unit	Load yoke with direct and lever system; counter-balanced detachable lever
Normal stress capacity	8 kg/cm²
Load application	Through a steel ball recessed in the loading pad, or directly through a boss on the loading yoke
Movement	V strips and roller strips for frictionless movement of the shear box housing
Proving ring	High-sensitivity compression proving ring, capacity 200 kg
Dial gauges	One consolidation dial gauge 0.01 mm × 25 mm; one strain dial gauge 0.01 mm × 25 mm
Optional accessories	Additional weights for a normal stress of 5 kg/cm²; soil sampler for 60 × 60 mm specimens; test form pad of 50; spare porous stones in pairs
Product code	SLE/CE/58
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Direct Shear Test Apparatus Used For?

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