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Product Name :

Core cutters

Product Code :

SLE/CE/70



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Description :

Core cutters (Product Code: SLE/CE/70) are open steel cylinders driven into the ground to cut out an intact soil core of known volume, used to measure the in-place density and moisture content of compacted fills and natural soils. Highway and building site laboratories use the set — core cutter, driving dolly and driving rammer — in 100 x 130 mm or 150 x 180 mm sizes. Theyare made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM scientific equipment manufacturer in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Material	Steel, protected against corrosion
Set contents	Core cutter, driving dolly and driving rammer
Sizes	100 mm diameter x 130 mm high, or 150 mm diameter x 180 mm
Method	Cutter driven into the soil with the rammer; core dug out, trimmed, weighed and dried to calculate density and moisture content
Product code	SLE/CE/70
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Core Cutter Used For?

A small patch of the layer is levelled, the cutter is stood upright with the dolly on top, and the rammer drives both down until the cutter is completely filled. The dolly protects the cutter's rim and lets it sink just below the surface. The cutter is then dug out, its ends trimmed flush, and the core weighed; a portion is dried to find the moisture content, from which the dry density follows.

Comparing that field dry density with the laboratory maximum shows whether an embankment, subgrade or earth-fill layer has been compacted enough. The method suits fine-grained soils that hold together in the cutter; stony or loose dry soils need other techniques. Institutions buying from an engineering lab equipment manufacturer often order several cutters so student teams can test different fill layers at once.

What to Specify When Ordering

- Size: 100 x 130 mm or 150 x 180 mm, or both
- Number of complete sets (cutter, dolly and rammer) and any extra cutters
- Delivery location for site laboratories or college campuses

OEM Manufacturer

Jain Scientific Equipments Private Limited, known to customers as ScienceLab, manufactures these core cutters as the OEM at its own licensed factory at Saha, Ambala, Haryana, India. They go fa
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