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Product Name :

L-Box Apparatus

Product Code :

SLE/CE/16



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Description :

L-Box Apparatus (Product Code: SLE/CE/16) is an L-shaped test box used to measure the passing ability of freshly mixed self-compacting concrete in civil engineering and concrete technology laboratories. Colleges, research labs and site quality teams use it to see whether an SCC mix can flow through a screen of 12 mm diameter bars set 41 ± 1 mm or 59 ± 1 mm apart. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of engineering lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Test property	Passing ability of freshly mixed self-compacting concrete (SCC)
Obstacle bars	12 mm diameter
Distance between bars	Can be set at 41 ± 1 mm or 59 ± 1 mm
Hoppers	Vertical and horizontal hoppers designed for ease of cleaning
Supplied complete with	Filling hopper and base
Product code	SLE/CE/16
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the L-Box Used For?

The L-box test shows whether self-compacting concrete will pass between closely spaced reinforcement without blocking or separating. The fresh sample is placed in the vertical section; once released, it flows through the bar screen and along the horizontal section, and the concrete heights at the two ends of that horizontal run are compared to express passing ability.

The 41 mm gap imitates more congested reinforcement and is the more demanding setting, while the 59 mm gap suits less congested sections, so set the spacing your mix design or test method calls for. Stand the box on a firm, level surface and wash both hoppers straight after each test so hardened paste does not affect the next result. It is a core item of engineering educational equipment in India for SCC mix trials and final-year project work.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, and the company is the OEM (original equipment manufacturer) of this L-Box Apparatus. The box is made and assembled at its own licensed factory at Saha, Ambala, Haryana, India, rather than bought in from a trader. Engineering colleges, polytechnics, research laboratories, dealers and importers therefore deal directly with the maker for supply, repeat orders and replacement parts — just ask us. Read more on the ScienceLab company profile.

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