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Product Name :

Devel Attrition Tester

Product Code :

SLE/AG/04



Science Lab
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Description :

Devel Attrition Tester (Product Code: SLE/AG/04) is a twin-cylinder rotating machine used to measure how much coarse aggregate wears away by attrition in road and civil engineering laboratories. Known in many specifications as the Deval test, it suits road research labs, quarries and colleges, and its two hollow cylinders, set at an angle on one shaft, let two samples run together. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM technical educational equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Cylinders	Two hollow cylinders, closed at one end and provided with fitting covers
Mounting	Cylinders mounted on a shaft, inclined to the axis of rotation of the shaft
Drive	Motor through a reduction gear
Shaft speed	30–33 RPM
Revolution counter	Provided
Abrasive charge	12 nos. hardened steel balls of 48 mm dia.
Electrical supply	440 Volts, three phase, 50 cycles, A.C.
Product code	SLE/AG/04
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Devel Attrition Tester Used For?

A weighed, graded aggregate sample is placed in a cylinder together with the steel balls the test method calls for, and the fitting cover is secured. Because each cylinder sits at an angle to the shaft, the contents slide from end to end as well as tumbling on every revolution, so the stones grind against one another rather than simply falling. After the set number of revolutions, read from the counter, the sample is removed, sieved and reweighed, and the material lost is expressed as a percentage of the original mass.

With two cylinders on the same shaft, a class can compare two aggregates, or run a duplicate, in a single session, which makes the tester practical engineering educational equipment in India's polytechnics and colleges where lab time is limited. Before each run, check that both covers are tight and that the cylinders are loaded evenly to keep the shaft balanced.

OEM Manufacturer

Jain Scientific Equipments Private Limited trades as ScienceLab and is the OEM (original equipment manufacturer) behind this Devel Attrition Tester. The tester is built at the company's own licensed factory at Saha, Ambala, Haryana, India, and goes factory-direct to polytechnics, road
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