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Product Name :

Core Drilling Machine (Motorised)

Product Code :

SLE/CE/104



Science Lab
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Description :

Core Drilling Machine (Motorised) (Product Code: SLE/CE/104) is an electric core drill used to cut cylindrical cores from hardened concrete, masonry and rock for strength testing and structural inspection in civil engineering laboratories and on construction sites. Testing labs, consultantsand engineering colleges use it with core bits from 25 mm to 150 mm in diameter, driven by a2800 W motor running at 840 rpm without load. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its range of engineering lab equipment in India.

Specifications

Parameter	Detail
Bit capacity	25 mm to 150 mm diameter
Max. bit diameter (as listed)	Ø50 mm / 100 mm / 150 mm
Rated voltage	~220 V / 50 Hz
Power input	2800 W
No-load speed	840 rpm
Spindle thread	1 1/4? UNC (male)
Protection	Friction clutch and overload current protection for the motor
Gearing	High-strength gear for long periods of continuous drilling
Water swivel	Externally set water swivel seal for easy replacement when worn
Build	Compact and light, designed for safe, smooth and stable drilling
Product code	SLE/CE/104
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Motorised Core Drill Used For?

Cores drilled from an existing slab, beam, column or pavement are the most direct way to check the strength and quality of concrete in a finished structure. The drill cuts an annular groove with a hollow core bit, and the cylinder left inside is broken off and taken to the laboratory for compression testing, density or depth checks. Water fed through the swivel cools the bit and flushes out cutting slurry while the drill runs.

Choose the bit diameter to suit the aggregate size and the test you plan, from 25 mm for small checks to 150 mm for larger cores. Keep the water supply steady, feed the bit gently rather than forcing it, and let the friction clutch slip if the bit binds. Replace the swivel seal once it starts to leak. As a laboratory instruments supplier in India, we quote this drill to colleges and testing labs alongside the equipment used to test the cores.

What to Specify When Ordering

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