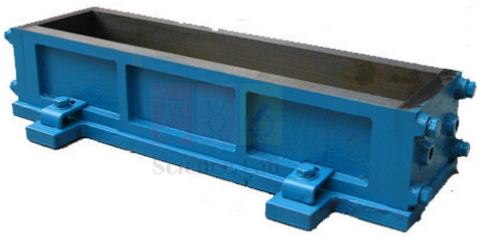
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Product Name :

Beam Mould

Product Code :

SLE/CE/05



Description :

Beam Mould (Product Code: SLE/CE/05) is a four-plate metal mould used to cast rectangular concrete beams for flexural strength testing in civil engineering laboratories. It is made in cast iron or mild steel in five sizes from 100 x 100 x 500 mm to 150 x 150 x 750 mm, each supplied complete with a base plate and with faces machined flat to ±0.2 mm. The mould is produced by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM technical educational equipment manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Material	Cast iron or mild steel
Construction	Four plates assembled together on a base plate
Base plate	Supplied with each mould
Face accuracy	Machined flat to ±0.2 mm and finished in size to 0.2 mm
Sizes (internal)	100 x 100 x 500 mm; 100 x 150 x 600 mm; 150 x 150 x 600 mm; 150 x 150 x 700 mm; 150 x 150 x 750 mm
Product code	SLE/CE/05
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Beam Mould Used For?

Concrete for pavements, slabs and precast units is judged on how well it resists bending, and that is measured on beam specimens. The four side plates are assembled on the base plate, the inner faces are lightly oiled, and concrete is placed in layers and compacted on a vibrating table or with a poker vibrator. The surface is then struck off with a straight edge.

After setting, the plates are released one by one so the beam can be lifted out without cracking, then cured and broken in a flexure testing machine. The 100 x 100 x 500 mm size suits smaller aggregate and student practicals, while the 150 x 150 mm sections in 600, 700 or 750 mm lengths cover larger aggregate and project testing. Clean the joint faces after every use so the mould closes square.

What to Specify When Ordering

- Beam size, from the five listed sizes.
- Material: cast iron or mild steel.
- Number of moulds per size, based on beams cast per batch.
- The flexural test standard your laboratory follows.

OEM Manufacturer

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