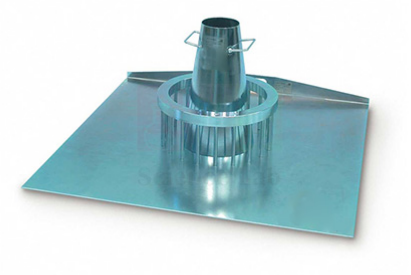
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Product Name :

J Ring Apparatus

Product Code :

SLE/CE/14



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Description :

J Ring Apparatus (Product Code: SLE/CE/14) is a ring of vertical steel bars used with a slump cone to determine the passing ability, flow spread and flow time of self-compacting concrete in civil engineering and concrete technology laboratories. Its narrow-gap ring carries 16 smooth stainless steel bars of 18 mm diameter and is used on a 900 x 900 x 3 mm stainless steel base plate engraved with 200 mm and 500 mm circles. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM vocational training lab equipment manufacturer in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Test	Passing ability, flow spread and flow time of self-compacting concrete
J-Ring	Narrow gap, 16 smooth bars of 18 mm diameter, stainless steel
Base plate	900 x 900 x 3 mm square, stainless steel, engraved circles of 200 mm and 500 mm diameter
Slump cone	Sheet steel protected against corrosion; top 100 mm, base 200 mm, height 300 mm
Weighted collar	Steel; stabilises the slump cone during J-Ring or slump flow tests
Minimum apparatus	J-Ring with narrow gap and slump cone
Product code	SLE/CE/14
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the J Ring Test Used For?

Self-compacting concrete has to flow through closely spaced reinforcement on its own, without blocking or leaving aggregate behind. The J-Ring recreates that situation: the slump cone stands on the engraved 200 mm circle of the damp base plate, surrounded by the ring of bars, and is held down by the weighted collar while it is filled. When the cone is lifted, the concrete spreads out through the bars.

The operator records the time for the concrete to reach the 500 mm circle, measures the final spread, and compares it with a slump flow test without the ring to judge passing ability. Coarse aggregate heaped behind the bars is a warning sign of blocking. Keep the base plate level and clean it straight after each test so the engraved circles stay readable.

What to Specify When Ordering

- Components required: J-Ring, slump cone, base plate and weighted collar (the J-Ring and slump cone are the minimum).
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OEM